IEEE ORLANDO SECTION
OBJECTIVES, GOALS AND ACTION ITEMS
August '92 - June '93
Ali Atashroo

AWARDS: Jorge Medina
1. Establish this year awards committee
2. Enhance the award certificates
3. Orlando nominations of a wider pool
4. FCIEEE awards (Oct. 1)
5. Region 3 awards (Dec. 1)
6. National awards
7. Fellow nominations
8. Establish an outstanding entrepreneur award
   (Inputs: past award chairman, student
    activities, chapter chairman, universities/
     colleges, companies)

CHAPTERS CHAIRMAN: Jeff Rollman
1. New chapters/ working groups officer roster
2. Support formation of new chapters/working groups
3. Coordinate meeting calendar
4. Obtain chapters meeting reports
5. Help with chapter-support request from national societies & local industries.
6. Coordinate the formula refinement for selection of the best chapter.

CONFERENCE COMMITTEE CO-CHAIRMEN: Ed Ellis/Madjid Belkerdid
1. Report on GLOBECOM '92
2. Follow-up last year leads (IAS)
3. Involvement with society sponsored conferences
4. Formulate possible bids
5. Obtain information on area hotels for the next 5 years.

CONSULTANTS' NETWORK WORKING GROUP: Jorge Medina
1. Promote entrepreneurship of self-employed engineers
2. Establish local consultant network.

EDUCATION COMMITTEE CHAIRMAN: Kalpathy Sundaram
1. Establish a education committee.
2. Establish the Video Tape Library check out policy.
5. Establish and coordinate engineers / students volunteers to boost math and science at
   local public schools.

MEMBERSHIP DEVELOPMENT: Bob Smallwood
1. Maintain an up-to-date membership data base and profile
2. Lead the membership drive
3. Promote senior and fellow nominations drive.
PACE COMMITTEE CHAIRMAN: Glen Portz

1. Report on national pace activities and opportunities
2. Lead the local pace activities

PUBLICATIONS: Jorge Medina / Ed Ellis

1. Publish Orlando Section Monthly newsletter- 11 issues with enhanced two color format.
2. Enhance advertising revenue
3. Improve membership public relations by allocating an open forum for member-to-member talk to air engineers' Concerns
4. Function as editorial board.
5. Continue Industrial Liaison and contact by mailing the newsletter to companies and institutions' public relations offices.

SECRETARY: David King

1. Prepare the Executive Committee Meeting Agenda.
2. Prepare timely reports of minutes
3. Obtain meeting reports and file
4. Send the necessary reports to HQ by February 1, 1993.

STRATEGIC PLANNING COMMITTEE CHAIRMAN: David King

1. Coordinate and draft strategic objectives and goals for the section review by October 1992.
2. Implement at least one strategic objective by February 1, 1993

TREASURER: Parveen Wahid

1. Review last year's reports and the final financial report.
4. Complete and send the final financial report to HQ by February 1.
5. Draft a 5-year budget for review in April 1993.

VICE CHAIRMAN/ PROGRAMS: Jackie Hines

1. Run Orlando Section when Chairman is gone
2. Arrange for Family Fun Day, Award Banquet, Installation Banquet, or Section Joint Meetings.
3. Assist committee chairman in all of the above.

VOICE INFO

STUDENT BRANCH
# IEEE Orlando Section - Financial Summary, 4 August 1992

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<p>| <strong>EXPENSES</strong>                     |          |         |   |
| 1. Publications                  | 9500.00  | 4410.80 | 46 |
| 2. Officer Expenses:             |          |         |   |
| Secretary                        | 300.00   | 81.62   | 27 |
| Chapter's Chairman               | 60.00    | 0.00    | 0  |
| 3. Awards                        | 750.00   | 445.96  | 59 |
| 4. Programs                      | 5500.00  | 1633.50 | 30 |
| 5. PACE                          | 100.00   | 0.00    | 0  |
| 6. Membership development        | 50.00    | 0.00    | 0  |
| 7. Chapters:                     |          | 0.00    |    |
| AES                              | 250.00   | 0.00    | 0  |
| AP/MTT *                         | 1000.00  | 406.16  | 41 |
| CEMT/ED                          | 100.00   | 50.00   | 50 |
| COM/VT                           | 150.00   | 54.54   | 36 |
| COMP                             | 1288.00  | 1289.43 | 100|
| LEGS                             | 1000.00  | 0.00    | 0  |
| PE/IA                            | 1000.00  | 262.00  | 26 |
| SP                               | 460.00   | 246.34  | 54 |
| SRC                              | 400.00   | 556.93  | 139|
| UFCS                             | 400.00   | 668.54  | 167|
| 8. Voice Information Center - Phone Bill | 200.00   | 0.00    | 0  |</p>
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TOTAL EXPENSES

|           | 26068.00 | 10835.04 | 42       |

INCOME-EXPENSES

|           | -7878.78 | -5632.76 | 71       |

ENDING BALANCE TOTAL (Beginning Balance+Income-Expenses)

|           | 29106.10 | 31352.12 | 108      |
1992 Orlando Section Installation Banquet

Outstanding Service Award, Robert F. Gray (left), Outstanding Chapter Chairman Award, Laurie Dunn on behalf of Jeff Rollman, Outstanding Corporate Service Award, Bob Smallwood.

Outgoing Section Chairman, Jorge Medina (left), hands over the gavel to incoming Section Chairman, Dr. Ali Atashroo.

New Section Officers for 1992-93: Dr. Ali Atashroo - Chairman (left), Jacqueline Hines - Vice Chair, Parveen Wahid - Treasurer, David King - Secretary.

Dr. Ali Atashroo (left), Dr. Kalpathy Sundaram, Mrs. and Mr. Harold Cates - Guest Speaker, Parveen Wahid, David King and Tom Voor.
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

EXECUTIVE BOARD
Chairman: Dr. M. Ali Atashroo, M. M. Corp.
(VM) 901, (O) 826-1354, (H) 539-0465
Vice Chairman: Jacqueline Hines, Sawtak
(VM) 902, (O) 886-8860, (H) 628-1604
Treasurer: Parveen Wahid, UCF
(VM) 904, (O) 823-2610, (H) 677-0571
Secretary: Dave King, Martin Marietta Corp.
(VM) 903, (O) 275-2318, (H) 699-4890
Jr. Past Chair.: Jorge Medina, Signtone, Inc.
(VM) 905, (O) 628-4826, (H) 322-0641
Sr. Past Chair.: Dr. Madjid Belkerdiz, UCF
(VM) 907, (O) 823-5793, (H) 699-4890

COMMITTEE CHAIRMEN
Awards: Jorge Medina, Signtone, Inc.
(VM) 905, (O) 628-4826, (H) 322-0641
Chapters: Dr. Samuel M. Richie, UCF
(VM) 906, (O) 823-5795, (H) 671-2658
Conference: Ed Ellis (VM) 907, (H) 834-3319
Editorial: Ed Ellis (VM) 908, (H) 834-3319
Education: Dr. Kalpathy B. Sundaram, UCF
(VM) 909, (O) 823-5326, (H) 671-6843
Historian: Russell E. Theisen, M. M. Corp.
(VM) 910, (O) 356-4390, (H) 671-4139
Membership: Bob Smallwood, H-P
(VM) 911, (O) 826-9217, (H) 365-9724
PACE: Glenn Portz, (VM) 912, (H) 644-2408
Programs: Jacqueline Hines, Sawtak Inc.
(VM) 913, (O) 886-8660, (H) 628-1604
Publications: Jorge Medina, Signtone, Inc.
(VM) 914, (O) 628-4826, (Fax) 628-5820
Strategic Plan: Dave King, M. M. Corp.
(VM) 915, (O) 275-2318, (H) 699-4890
Student Activities: Dr. Michael Harris, UCF
(VM) 916, (O) 823-5345, (H) 365-1214

SOCIETY CHAPTER CHAIRMEN
AES: Dr. David Finchbaugh
(VM) 213, (O) 859-7310, (H) 859-4855
AP/MTT: Gwyn Laurie Dunn,
(VM) 223, (O) 867-3193
C: Dr. Edwin K. Evenson
(VM) 243, (O) 660-6116
COM/VT: Michael C. Germain, United Tel.
(VM) 253, (O) 904-326-1483, (H) 678-5599
ED/CHMT: Dr. Kalpathy B. Sundaram, UCF
(VM) 263, (O) 823-5126, (H) 671-6843
LEO: Dr. William T. Silvest, CREOL
(VM) 293, (O) 658-6855, (Fax) 281-1557
PEIA: James R. Pipkin, Westinghouse
(VM) 273, (O) 281-2916
SP: Ikram E. Abdou
(VM) 233, (O) 356-3331
SRC: Dr. Michael Harris, UCF
(VM) 303, (O) 823-2548, (H) 366-1214
UFFC: Thomas E. Voor
(VM) 283, (O) 267-1146

WORKING GROUP CHAIRMAN
Neural Network: Dr. M. Georgiopoulos, UCF
(VM) 313, (O) 823-5338, (H) 657-5085

STUDENT BRANCH CHAIRMAN
UCF: Chuck Folkens, (VM) 83, (H) 277-0456

IEEE ORLANDO INFORMATION CENTER
Voice Mail (407) 260-1676, Fax: 260-1636

M. Ali Atashroo, Section Chairman
CHAIRMAN’S CORNER

Our Installation Banquet was held on June 13, 1992 at Park Avenue Grill. Dr. Harold Cates, our guest speaker, addressed the audience on the topic of Change: The Issues and Challenges That Affect the Engineering Profession in the Defense Industry. Dr. Madjid Belkerdiz, outgoing Awards Chairman, presented the Outstanding Corporate Award to Bob Smallwood representing Hewlett-Packard Orlando, the Outstanding Service Award to Robert F. Gray, the Outstanding Chapter Chairman Award to Jeff Rollman, and the Society Chapter Recognition to our outgoing Chapter Chairman.

Jorge Medina, our outgoing Section Chairman, presented certificates of appreciation to Executive and Committee members. After a brief recount of Orlando Section achievements under his leadership, Jorge passed the leadership to your incoming officers: Dr. Ali Atashroo - Section Chairman, Jacqueline Hines - Vice Chairman, Dr. Parveen Wahid - Treasurer, and David King - Secretary.

IEEE Orlando Section has been recognized as an Exemplary Section by IEEE primarily due to the team work of its Executive and Committee members and continuity of leadership of its past junior and senior chairmen. The Orlando Section is an excellent leadership training ground for volunteers. We invite new volunteers to join us in this rewarding endeavor.

To get more familiar with your Executive and Committee members, we will publish one member profile in each issue of the Orlando Section Monthly. We are also inviting an open forum in the Section newsletter for member(s)-to-members communication of any issues concerning our profession.

Jackie Hines, our Programs Chairperson, has already arranged our second social outing in Wet'n Wild on Sunday September 13, 1992. On behalf of the Executive and Committee members, I am inviting all of you to mark your calendar for this family fun day!

IEEE SOCIETY CHAPTER OFFICERS FOR 1992-1993

AES Chairman/Treasurer: Dr. David Finchbaugh
Vice Chairman/Secretary: Dr. Robert Harney

AP/MTT Chairman: Laurie Dunn
Vice Chairman: William Graves
Secretary: Walter Arceneaux
Local Arrangements: Dr. Amir Mortazawi

C Chairman: Dr. Ed Evenson
Vice Chairman: Dr. Kate Kinsley
Mr. Jim Laird
Secretary: Srvathsan Narasimhan

COM/VT Chairman: Mike Germain
Vice Chairman: Dr. Madjid Belkerdiz
Secretary: Dr. Mike Georgiopoulos

ED/CHMT Chairman: Dr. Kalpathy Sundaram
Vice Chairman: Robert Carrington

PEIA Chairman: Jim Pipkin
Vice Chairman: Adrian Baus
Secretary: Mike Dodane

SP Chairman: Ikram Abdou
Vice Chairman: Dr. Yacoub Alsaka
Secretary: Pete Simko

UFFC Chairman: Tom Voor
Vice Chairman: Jeff Mink
Treasurer: Rodolfo Almar
1992 IEEE Orlando Section Installation Banquet

The annual IEEE Orlando Section Installation Banquet was held on June 13, 1992 at Park Avenue Grill in Winter Park, and was attended by over fifty people. Dr. Ali Atashroo who doubles up as the Section Vice Chairman and the Programs Chairman is to thank for a nice evening; he took care of all the arrangements with the restaurant and lined up the banquet speaker. Dr. Harold Cates, Vice President of Martin Marietta Technical Operations was the speaker of the evening. The topic was: Changes: The Issues and Challenges that Affect the Engineering Profession in the Defense Industry. After the question/answer session the Installation ceremonies began.

As in the previous years, three Section wide awards are given at the Installation Banquet. Plaques are presented by the Section Awards Chairman to the following awards recipients: Outstanding Corporate Awards, Outstanding Service Awards, and Outstanding Chapter Chairman Award.

The Outstanding Corporate Award, is chosen by the awards committee, which consists of the Section Awards Chairman, and the Section Chairman, Vice Chairman, Secretary, and Treasurer. This year's award was presented to Hewlett-Packard Orlando in recognition for their efforts in supporting the Section. Hewlett-Packard Orlando has provided meeting facilities for every monthly Section executive committee meeting, refreshments were always provided to all attendees, and the welcome mat was always rolled out. Accepting the awards for Hewlett-Packard Orlando was Bob Smallwood, who is also the Section Membership Chairman. Bob, pledged continued support for the Section.

The Outstanding Service Award, is also chosen by the Awards Committee. This year's award was presented to Robert F. Gray. Bob has served the Section in many ways the last five years or so. He has been Chairman of the PE/IA Chapter for three years in a row, during his tenure he was the recipient of the Outstanding Chapter Chairman Awards in 1989, and 1990. Bob also initiated and organized spring seminars as continuing education for the membership at large. He was able to attract instructors of such caliber that the seminars were a great success, financially and academically. Enrollment sometimes was 40 to 50 people and he netted up to $4,000.00 per year for the Section, in a period of time when the Section's financial picture was bleak. Bob was also the workhorse that landed the 1995 annual meeting of the IA society in Orlando, and in 1991 the IEEE Orlando Section and the IA society signed a conference co-sponsoring contract.

Every year, at the June executive committee meeting, the ten Chapter Chairmen meet and vote on the year's Outstanding Chapter Chairman Award. The vote is based on a formula that is published in advance and that is based on the number of meetings the chapter had, the number of attendees, as well as the number of members in the chapter. The 1992 Outstanding Chapter Chairman Award was presented to Jeff Rollman, Chapter Chairman of the AP/MTT Chapter.

The Awards Chairman then presented certificates of appreciation for the Chapter Chairmen as follows:

AES .................. Dr. David Flinchbaugh
AP/MTT ............. Jeff Rollman
C ..................... Dr. Shea Lang
COM/VT ............. Michael Germain
ED/CHMT .......... Robert Canright
PE/IA ............... Tim Turba
SP .................. David King
SRC ................ Dr. Michael Harris
UFFC ............... Brent Horine

Jorge Medina, the Outgoing Section Chairman, presented certificates of appreciation to the Section executive officers and the various standing Committee Chairmen. Jorge, then thanked everyone for support during his tenure as Section Chairman, introduced the new Section Chairman, Dr. Ali Atashroo, presented him with the Section Chairman pin and turned over the gavel. Dr. Atashroo then introduced the 1992-93 IEEE Orlando Section Executive Committee: Jacqueline Hines - Vice Chair, Dr. Parveen Wahid - Treasurer, David King - Secretary.

Chairman Atashroo briefly discussed his agenda for his tenure, thanked everyone and bid farewell.
EVENTS CALENDAR

For the latest and/or additional information call the IEEE Orlando Voice Information Center 260-1676 and enter the VM No.

Aug. 4, 1992  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 826-1354, (H) 539-0465
Sep. 1, 1992  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 826-1354, (H) 539-0465
Sep. 13, 1992 IEEE Orlando Section - Family Fun Day - Wet'n Wild - J. Hines, (VM) 913, (O) 886-8860, (H) 628-1604
Nov. 9-12, 1992 C - 1992 IEEE Conference on Software Maintenance - Mary Ann DeWald, (908) 562-3878
Mar 1-5, 1993 C - 9th IEEE Conf. on Artificial Intelligence for Applications - D. Waltz, (617) 234-2050

The Orlando Section Monthly - Advertisement Rates

The Orlando Section of the IEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key area industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ad and payment is the 1st Tuesday of the month preceding the month of publication.

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Please call the IEEE Orlando Voice Information Center to place your ads or mail your camera ready material and payment to: IEEE Orlando Section, 385 Commerce Way, Suite 101, P.O. Box 521917, Longwood, FL 32752-1917, (407) 260-1676
IEEE ORLANDO SECTION - TREASURER'S REPORT, 20 July 1992

Checking account balance (2 June 1992 Treasurer's rpt) $5,495.92

DISBURSEMENTS: Barnett Bank
29-May-92 Service Charge $12.00
1813 2-Jun-92 Jeff Rollman - Apr AP/MTT mtg. expenses $62.00
1814 2-Jun-92 Jackie Hines - postage $5.27
1815 2-Jun-92 Medina Software - June Newsletter $664.76
1816 2-Jun-92 VOID $0.00
1817 2-Jun-92 Dave King (17 SP; 20 Strat Planning mtgs) $37.00
1818 2-Jun-92 Sheau Lang - May COMP mtg $34.30
1819 8-Jun-92 Orange Bank - deposit in new chkg acct $22,500.00
1820 8-Jun-92 United Trophy - Installation Banquet awards $120.38
1821 13-Jun-92 Park Ave Grille - Installation Banquet $572.00
20-Jul-92 Account closed - balance to Orange Bank $9,584.46

Total Expenses
$33,592.17

DEPOSITS: Barnett Bank
3-Jun-92 Interest 5/1-5/29 $9.04
3-Jun-92 Proceeds of Barnett Bank CD $27,396.64
13-Jun-92 Installation Banquet receipts $608.00
20-Jul-92 Interest 5/30-6/30 $23.93
20-Jul-92 Interest 7/1-7/20 $8.19
20-Jul-92 Uncleared check # 1723 (1991) $50.00
20-Jul-92 Jan 2 1992 Treas rept chk # 1768 - correct $0.45

Total deposits
$28,096.25

DISBURSEMENTS: Orange Bank
1001 19-Jun-92 Michael Harris - May, Jun SRC mtg expenses $59.44
1002 20-Jun-92 Ali Atashroo - Banquet Refund $16.00
1003 20-Jun-92 Dave King - June SP mtg expenses $24.63
1004 20-Jun-92 Bulk rate deposit $320.00
1005 30-Jun-92 Service Charge $5.22

Total Expenses
$425.29

DEPOSITS: Orange Bank
20-Jul-92 Deposit from Barnett Bank Checking $2,500.00
20-Jul-92 Proceeds of Barnett Bank Checking Acct $9,584.46

Total deposits
$12,084.46
SUMMARY:

Checking account balance (2 June 1992 Treasurer's rpt) $5,495.92

Less Disbursements $33,592.17

Add deposits $28,096.25

Barnett Checking balance (20 July 1992 Treasurer's Rept) $0.00

Orange Bank Checking Balance (2 June 1992) $0.00

Less Disbursements $425.29

Add deposits $12,084.46

Orange Bank Checking balance (20 July 1992 Treasurer's Rept) $11,659.17

Orange Bank Certificate of Deposit (8 June 1992) 3.15% $20,000.00

Dreyfus Fund Balance (2 April 1991) $0.66

TOTAL LIQUID ASSETS

$31,659.83

Respectfully Submitted
Tuesday, 4 August, 1992

Jacqueline H. Hines
Past Treasurer
Orlando Section IEEE
Microsoft's millionaire workers are a new breed

By Timothy Egan
N.Y. Times News Service

SEATTLE — Just a few years ago, when the monied class of Seattle gathered inside a single ballroom for an annual arts benefit, nary an unfamiliar face could be seen.

Families named Boeing, Nordstrom and Weyerhaeuser, representing airplane, clothing store and timber empires, were the financial powers of this corner of the West. They also were benevolent civic players, keeping the arts afloat and leading drives to save a sports team or add a wing to a hospital.

But virtually overnight, the pecking order of wealth in the Pacific Northwest has been turned upside down. The reason: the stunning success of the Microsoft Corp., the company that William H. Gates III brought back to his hometown little more than a decade ago.

Microsoft turns cautionary at the dropping of figures, but a distinguished Wall Street research company estimates that at least 2,200 employees at Microsoft's Redmond headquarters east of Seattle — nearly one in five — are millionaires. Not even the height of the Wall Street takeover frenzy of the mid-1980s made as many instant millionaires as did simple employment at Microsoft for the past five years, analysts say.

The Microsoft millionaires are unlike any in the world. Not only are many under age 30, the vast majority are not executives or lawyers but rather software writers with technical backgrounds.

As they mature, the Microsoft affluent could change the uses of wealth as much as they changed the world of computers. They refuse to follow patterns of the old guard.

Unlike many of their wealthy peers, who contribute to political candidates and to established philanthropies, they are generally not politically active and rarely support benefits for traditional causes like the arts.

Nevertheless, they are having an

Please see MICROSOFT, D-5
Microsoft’s millionaire workers buck patterns set by old guard

MICROSOFT from D-1

effect in the community — through the many jobs they've generated at Microsoft and their own start-up businesses and through generous contributions to local schools and universities. Even the recent acquisition of the Seattle Mariners baseball team by a group led by the founders of Nintendo would never have been approved without an investment from Chris Larson, 33, a Microsoft executive who contributed about $30 million to the deal.

Perhaps most striking, this new generation of Puget Sound rich is even less ostentatious than previous ones in a city that has never been a place of showy wealth. Many of the newly wealthy Microsoft employees — and the vast majority are men — have not bought a house. They do not belong to country clubs, and the car of choice among them is a Lexus, the car Gates drives to work; no chauffeured Rolls-Royces for this group.

They tend to be dreamers, with visions for the advancement of technology to fulfill before they slow down. Energetic and sleepless, many keep to the 16-hour days established by Chairman Bill, as Gates is known. Ostentation is the occasional $50 bottle of wine to go with their trademark cheeseburgers.

"People who worked on Wall Street in the 1980s just wanted to make a lot of money," said William Pope, 37, who has been with Microsoft for six years. "The pace at Microsoft want to change the world."

Gates is richest of the rich

At the top of it all is Gates, 36, considered the richest man in America, with a net worth, based on the value of his stock holdings, of about $7 billion. The stock of Microsoft, the world's largest computer software company with revenue of more than $2 billion, has gone up by 1,200 percent since it was first offered to the public in 1986 and is now worth more than that of General Motors Corp.

It was because of generous stock options, according to a recent study by Michael Kwtanetz, an analyst at the Wall Street firm Sanford C. Bernstein, that at least 2,200 of the 11,000 people who work at Microsoft headquarters became millionaires.

As many as a third of them are worth more than $3 million.

Microsoft officials argue that the 2,200 number is too high. Based on stock holdings alone, there are only about 500 millionaires at the company, said Buck Ferguson, senior director of investor relations. However, he said, there was no way to account for the number of employees who may have sold their stock and invested their windfall elsewhere. Thus, the 2,200 figure could be accurate, he said, "if you look at it just one way."

No matter what the precise figure, the Microsoft millionaires are somewhat of a phantom group among Seattle's wealthy. Defiantly tieless, usually wearing tennis shoes to work, they will not be found sharing golf tips among more established millionaires at the Rainier Club, Seattle's oldest domain for the rich.

These newly wealthy employees, current and former, say the last thing they want is to be a part of the status quo. They tend to be low key.

"I don't jump up and down about what we've done," said Mark Rolsing, who, unlike many of his fellow employees, gave up the seven-day workweeks he put in as a Microsoft manager to open a fly-fishing business.

Wealth not big concern for workers

Starting at Microsoft in 1983, Rolsing, now 44, said great wealth was never a goal of early employees. "No one knew they were worth anything back then," he said.

The more "established" of the Microsofters are just starting to spread their wealth, building high-tech mansions on Lake Washington, which separates Seattle from the east side suburbs of Bellevue and Redmond. Or they are starting companies, tiny offspring of the dream Gates brought to such a grand scale.

Kevin DeGraaf, 27, a software engineer who became wealthy in less than five years, continues to work at Microsoft but also has started three companies: a construction company, a paralegal office and an automobile windshield company. Together, they employ more than 50 people. A fourth project, creating microbrewed beer, is on the drawing board.

DeGraaf is a valuable job creation machine and a junior-league captain of wealth. But he has never owned a home, drives the same Volkswagen he bought in college and pays $300 rent on a house he shares with three others.

"I've seen other people at Microsoft spend their money on houses and cars," DeGraaf said. "At some point, I'll upgrade those things, but I've got other things to do now."

Backgrounds make them different

Census figures show that the nation's rich tend to be corporate executives, lawyers, people living on trust funds or entrepreneurs. This Microsoft class may well make up the first large group of American millionaires from technical backgrounds.

Fortunes were made in Silicon Valley, of course, but never have so many technical people, working at one company, become so rich so quickly, say computer industry analysts.

"Everybody at Microsoft wanted to change the world through technology," said Steve Wood, 39, one of the five original Microsoft employees. He has since left to join Paul Allen, the co-founder of Microsoft, in a new software company, Asymetrix. "The money is nice, and nobody's complaining about it. But I don't know anybody who wants to just retire."

Wood said the business and technical leaders of his generation have only begun to show their stuff.

"I think there's another revolution coming, in consumer electronics, and it will be led by the same people who were attracted to Microsoft," he said. "The older folks among us are just turning 40. We have a lot to do."
Notes from the Executive Board Meeting 6/20/92

There will be a Pace meeting on Labor September 4 in Phoenix Az. We will ask Glen to serve as Pace representative again this year.

The list of new officers has been fully completed. The new list was sent out to Piscataway on 6/22/92.

A list of the new officer address and phone numbers is being compiled by Jorge Medina for Ali and the rest of the exec board.

Russ Theisen has the space in his garage to house the old records of our section. We only need to buy him a filing cabinet.

The idea was raised to pay dinner at our banquet for committee member and fellows. The idea was also raised to subsidize student members to attend the banquets at half price. This will be put on the agenda for the August meeting.

Jeff Rollman is being considered for nomination to the chapters chairman position. Usually the chapters chairman moves into the secretary slot the following year.

We need to find out what data needs to be stored for how long. Some data must be stored for 10 years such as financial records. Other data needs less time such as meeting notes. Coordinate with Russ Theisen.

In order to provide more continuity as in the past, Jorge Medina will move from awards chairman this year to conference chairman next year.

The voice center is recognized as an important function. Upgrading from the present AT based system to a 386 or 486 based system would help a great deal. Jorge will be moving and separating the phones. The suggestion was made to devote an entire charmans corner to the phone mail system.

The suggestion was made to continue the profile on new officers in the section quarterly.

Ali will call last years committee chairman to see if they will serve again.
6/20 IEEE EXECUTIVE BOARD MEETING

PACE MEETING
Phoenix AZ Labor Day
Glen Portz

LIST OF NEW MEMBERS TO PISCATAWAY HEADQUARTERS.

Ali Atashroo Work 356-3328 (TEMP)
Fax 356-1380

FILL OUT NEW MEMBERS FORM & SEND IN

Russ Theisen
NERS. FILING CABINET FOR HISTORY

BANQUET FOR COMMITTEE MEMBERS WHO HAVE SERVED
'THE IN PAST, OR FOR FELLOWS

New Business

Vote on buying dinner for life fellows & fellows
& life fellows, & fellows
Section pay for 1/2 cost of student members to attend

Charles Folks - Student Branch President
2 sub Chapters Computer & SRC System, Robotics & Controls
Storage of Data

Some things need to be stored 3 yrs, 5 yrs 10 yrs.
Financial records 10 yrs. - Minutes 3 yrs.

More continuity in past.

Awards Chairman would take Conference.
Jorge will be Conference Chairman for Florida Council.

Voice Center

Upgrading AT. would help.
July. Jorge will be moving & separating phones.
System will be set up to call chapter chairman etc.

Profile of new officers in newsletters.

Name, address, phone #s for officers.

All will call old committee chairmen to see if they will serve again.

Chapter Coordinator 1991 SEC reports

How to run a chapter.
**ORLANDO SECTION IEEE EXECUTIVE COMMITTEE**

**MEETING AGENDA**

September 1, 1992

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<td>AES</td>
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<td>COM/VT</td>
<td>M. GERMAIN* ✓</td>
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<td>LEOS</td>
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<td>NEURAL NETWORK WG</td>
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<td>5. Treasurer's Report</td>
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<td>6. Minutes of previous meeting</td>
<td>P. WAHID*</td>
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<td>7. Vice Chairman's Report</td>
<td>D. KING*</td>
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<td>8. Chapter's Chairman</td>
<td>J. HINES*</td>
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<td>9. Voice Mail</td>
<td>J. ROLLMAN*</td>
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<td>10. Membership Development</td>
<td>J. MEDINA*</td>
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<td>11. Awards</td>
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<td>12. Programs</td>
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<td>13. Conference</td>
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<td>14. Globecom '92</td>
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<td>15. Publications</td>
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<td>16. PACE</td>
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<td>17. Education</td>
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<td>18. Old Business</td>
<td>K. SUNDARAM</td>
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<td>19. New Business</td>
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<tr>
<td>20. Adjourn</td>
<td></td>
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</tbody>
</table>

| * Voting Officers: Total 21 | Quorum 10+1=11 |

| TOTAL | 84 |
ATTENDANCE LIST

Dave King
Jackie Hines
Ali Atashroo
Paween Wahid

(Proxy: Jorge Medina)

K.B. Sundaram
E.K. Everson
Michel Germain
Ed Ellis
Glenn Portz

Ikram Abdon
Jeff Rollman
Laurie Dunn
Thomas Voor

David McKeel
Debra Ann Kemmetz
Bob Smallwood

Phone

856-1836
886-8860
956-6914
823-2610

823-5326
660-6116 (w)
(404) 326-1483 (w)
834-3319
644-2408

356-0322
356-6310 (w)
(407) 867-3193 (w)
(407) 886-8860

384-7152
658-4595
8269217
Meeting Announcements

Unless otherwise stated, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

ANTENNAS AND PROPAGATION/
MICROWAVE THEORY AND TECHNIQUES
(AP/MTT)

**Planar Network-Based and
Spatial Power Combining Structures**

**Speaker:** Dr. Amir Mortazawi  
**Date:** Thursday, September 17, 1992  
**Time:** Refreshments at 5:30 PM  
Meeting at 6:00 PM  
**Location:** Hewlett-Packard  
**Contact:** Laurie Dunn at 1-867-3193 or leave message at 260-1676, ext. 6, voice mail box 223.

CONSULTANTS' NETWORK WORKING GROUP

**Organizational Meeting**

**Date:** Tuesday, September 8, 1992  
**Time:** Meeting at 6:00 PM  
**Location:** Medina Software, Inc., 385 Commerce Way, Suite 101, Longwood, FL 32750  
**Contact:** Call Jorge Medina at 628-4828 for reservations or leave message at 260-1676, ext. 6, voice mail box 323.

NEURAL NETWORK WORKING GROUP

**Real-Time Neural Net Processing**

**Speaker:** Mr. Ron Sartain  
**Date:** Thursday, October 15, 1992  
**Time:** Meeting at 6:00 PM  
**Location:** Rapid Imaging Inc.  
5955 T. G. Lee Blvd., Suite 150  
Orlando, FL 32822  
**Contact:** Dr. M. Georgiopoulos at 823-5338, Ron Sartain at 356-4432 or leave message at 260-1676, ext. 6, voice mail box 313.

SIGNAL PROCESSING (SP)

**Introduction to Wavelet Transform**

**Speaker:** Dr. Larry Peele  
**Date:** Wednesday, October 14, 1992  
**Time:** 5:30 PM, Refreshments will be served  
**Location:** UCF, Engineering Building  
**Contact:** Dr. Ikram Abdou at 356-0322 or leave message at 260-1676, ext. 6, voice mail box 233.
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

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Publications: Jorge Medina, Sigtone, Inc. (VM) 914, (O) 628-4828, (Fax) 628-5820
Strategic Plan: Dave King, Martin Marietta (VM) 915, (O) 275-2318, (H) 699-4980
Student Activities: Dr. Michael Harris, UCF (VM) 916, (O) 823-2548, (H) 366-1214

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C: Dr. Edwin K. Eveson (VM) 243, (H) 660-6116
COM/VT: Michael C. Germain, United Tel. (VM) 259, (O) 904-326-1493, (H) 678-5599
ED/CHMT: Dr. Kalpathy B. Sundaram, UCF (VM) 263, (O) 826-5326, (H) 671-6843
LEO: Dr. William T. Silfvest, CREOL (VM) 293, (O) 658-6855, (Fax) 281-1557
PE/IA: James R. Pipkin, Westinghouse (VM) 273, (O) 281-2916
SP: Dr. Ikram E. Abdou, Martin Marietta Corp (VM) 233, (O) 356-0322, (H) 671-0397
SRC: Dr. Michael Harris, UCF (VM) 303, (O) 823-2548, (H) 366-1214
UFFC: Thomas E. Voor (VM) 283, (H) 267-1146

WORKING GROUP CHAIRMEN
Consultants' Network: Jorge Medina, Sigtone (VM) 323, (O) 628-4828, (H) 260-1676
Neural Network: Dr. M. Georgiopoulos, UCF (VM) 313, (O) 823-5338, (H) 275-2665

STUDENT BRANCH CHAIRMAN
UCF: Terry Waidrolf, (VM) 83

IEEE ORLANDO INFORMATION CENTER
Voice Mail: (407) 260-1676, Fax: 260-1636

Chairman's Corner

Fellow members, I would like to share with you our Section's expressed objectives and goals for the next twelve months. Empowering engineers to directly serve their communities and each other, constitutes the cornerstone of our goals. To facilitate achieving that goal, we have embarked on the following activities.

Jorge Medina, Jr. Past Chairman, is organizing a local Consultants' Network Working Group sponsored by IEEE-USA Private Practitioners Task Force to promote self-employed engineers. To further promote entrepreneurship, we are planning to coordinate education in the Working Group and to establish an outstanding local entrepreneur award.

Dr. Kalpathy Sundaram, Education Committee Chairman, is coordinating engineer volunteers to organize a speaker pool to address local public schools on math, science, and engineering. IEEE Orlando Section with over 1,200 local members, has a unique opportunity to participate in solving this national concern.

To ensure continuity, David King, Strategic Planning Committee Chairman, is drafting our Section's evolving strategic objectives and goals which expand over multiple years. We value your inputs. To that end, our publication editors, Jorge Medina and Ed Ellis have allocated in the Orlando Section Monthly an open forum for Member-to-Member Talk to air engineers' concerns. Let your fellow members hear from you. You might not be alone! Pressed for time? Just call the IEEE Orlando Voice Information Center - 260-1676, using the published Voice Mail numbers in the Section Monthly newsletter.

We would like to invite each of you to join your volunteer Section Officers in our collective effort to empower engineers in both marketplace and community.

Looking forward to meeting you all on Sunday September 13, 1992 at our second Family Fun Day in Wet 'n Wild. Jackie Hines has arranged a splash day for you and your family!

WELCOME!

New Members in the Section
The Orlando Section would like to welcome the following new members who have joined the IEEE since May 1992.

MICHAEL J CHARNOKY
WALT G BESIO
DOUGLAS L ANDERSON
DONALD C FOWLER
JOHN M DECATREL
JUXIN HUANG
STEVE RAMPLEY
SAIFUL HAQUE
AMIT JAII
JEFFREY R KLG
EMBELLE LITUMBE
ROBERT J PIRELA
HAROLD L RAGAN JR
ARTHUR J RIEGERT JR

Members on the Move
The Orlando Section would like to welcome a number of IEEE members who have decided to find out why Central Florida is such a nice place to live. We hope you enjoy living and practicing your profession here. The Orlando Section invites you to participate in the activities of the Section.

ROBERT W HOLKUP
JEFF T MINK
JEFFREY L RAUWERDINK
PAUL D BRUCKNER
WILLIAM B BOGAN
IEEE Power Engineering Society presents a Seminar Series on POWER GENERATORS

The IEEE-Orlando Power Engineering Society is pleased to announce the 4th Annual Power Engineering Seminar Series

September 17, 1992 - November 12, 1992, 6:30 - 8:30 on Thursday Evenings

Location: Westinghouse Quadrangle, 4400 Alafaya Trail, Orlando
(Across from UCF, just North of the Intersection of University and Alafaya)

Fee: $75 for IEEE members, $95 for non-members

The Seminar Series is intended for electrical engineers working in power generation, but will also be of interest for engineers working in station design, utility engineers who perform systems studies, protection engineers, generation dispatchers, and others with a professional interest in power generation. Seminar speakers are prominent local engineers and engineering managers with wide experience in appropriate aspects of generator and utility engineering.

For further information call Bob Nelson (Westinghouse, 381-6308), Tim Turba (OUC, 423-9100), Luis Ramos (Black & Veatch, 240-9038) or Mehrdad Mohseni (R.W. Beck, 422-4911)

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<td>Sep. 24</td>
<td>Generation Excitation and Control</td>
<td>Joseph D. Hurley, Westinghouse</td>
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<td>M. Stanley Baldwin, Consultant</td>
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<td>Generator Operation and Maintenance</td>
<td>Fred Haddad, Orlando Utilities</td>
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<td>Oct. 15</td>
<td>Generator Dispatch and Commitment</td>
<td>Tom Washburn and Claston Sunanon, Orlando Utilities</td>
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<td>Nov. 5</td>
<td>Independent Power Producers and Generator Interconnection</td>
<td>Tom Reedy, Resource Management International</td>
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<td>Nov. 12</td>
<td>Emerging Technologies in Power Generation</td>
<td>John P. Kessinger, Westinghouse Generation</td>
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Register Early! Attendance Limited!

SEMINAR REGISTRATION FORM

Name: ____________________________

Mailing Address:

Phone: Day __________________ Evening __________

IEEE #, if member: ____________________________

Mail with check ($75 for IEEE members, $95 for non-members) made out to "IEEE-ORLANDO"
To: Michael Dodane, KTA INC., 430 E. Semoran Blvd., Suite 202, Casselberry, FL 32707
THE ORLANDO SECTION MONTHLY

EVENTS CALENDAR

For the latest and/or additional information call the IEEE Orlando Voice Information Center 260-1676, ext. 6 and enter the Voice Mail Box No.

Sep. 1, 1992  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Sep. 13, 1992  IEEE Orlando Section - Family Fun Day - Wet'n Wild - J. Hines, (VM) 913, (O) 886-8860, (H) 628-1604
Oct. 6, 1992  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Nov. 3, 1992  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Nov. 9-12, 1992  IEEE C - 1992 IEEE Conference on Software Maintenance - Mary Ann DeWald, (908) 552-3878
Nov. 12, 1992  IEEE PE/IA - Power Generators: Emerging Technologies - B. Nelson, (O) 381-6308
Dec. 1, 1992  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Mar. 1-5, 1993  IEEE C - 9th IEEE Conf. on Artificial Intelligence for Applications - D. Waltz, (617) 234-2050

The Orlando Section Monthly - Advertisement Rates

The Orlando Section of the IEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key area industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ads and payment is the 1st Tuesday of the month preceding the month of publication.

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Please call the IEEE Orlando Voice Information Center to place your ads or mail your camera ready material and payment to:
IEEE Orlando Section, 385 Commerce Way, Suite 101, P.O. Box 521917, Longwood, FL 32752-1917, (407) 260-1676
ORLANDO SECTION IEEE
EXECUTIVE COMMITTEE MEETING MINUTES
REGION 03, SECTION 05, COUNCIL 51
Volume III, Number 11, Circulation 18

Date: August 4, 1992

Location: Hewlett-Packard, 6177 Lake Ellenor Drive,
Orlando, Florida 32809

Attendants: Parveen Wahid
Jackie Hines
Jorge Medina
Kalpathy Sundaram
Laurie Dunn
Glenn Portz
Ed Ellis
Bob Smallwood
Ikram Abdou
Ali Atashroo
Dave King

1. Call to Order

The meeting was called to order at 6:00 P.M.

2. Chairman's Remarks - Ali Atashroo

The new year was introduced with a list of objectives, goals
and action items for all members of the executive committee. A
list was distributed to the members and a copy is available upon
request. Certain specific objectives were highlighted for each
area;

Awards:
Establish an outstanding entrepreneur award to promote
independence in a rapidly changing environment as a way
of encouraging and recognizing entrepreneurial
individuals.

Education;
Establish a speaker bureau to volunteer to speak at
schools and civic groups etc.. to inform people about
the engineering profession.

Membership Development;
Obtain statistics on membership through data bases.
Move in the direction of having a local directory.

PACE
Continue to concentrate on employment issues.

Publications;
Continue excellent performance. Enhance advertising
revenue.

Strategic Planning Committee;
Establish long range goals (beyond 1 year).
See at least 1 goal to implementation.
Treasurer;
   Establish a 5 year plan.
Voice Information Network;
   Upgrade the system and encourage more use of system.
Student;
   More active participation this year
Ali discussed IEEE President Buckley's article in the IEEE Spectrum and offered the opinion that he is asking the right questions of the presidential candidates. The idea was put forth that we need a national policy on technology.
An article on Microsoft Corp. estimating that one in five employees are millionaires was distributed to the membership. Ali discussed the need for cultural change in the workplace to where engineers are treated as partners with management rather than subordinates.

3) Quorum/Agenda

The session had a quorum. The agenda was amended due to several omissions.

4) Chapter Reports

AES - David Flinchbaugh
No Report

AP/MTT - Laurie Dunn
Speakers are being lined up for the coming year. Laurie Dunn corrected the phone number appearing in the quarterly.

COMPUTER - E. Evenson
No Report

COM/VT - Michael Germain
No Report

ED/CHMT - Kalpathy Sundaram
Bob Canright is vice chairman. No activities to date.

Neural Network WG - Dr. M. Georgiopoulos
A meeting is being planned this month.

PE/IA - Jim Pipkin
A seminar is being planned for this year around the October/November timeframe.

LEOS - Dr. William Silfvast
Ali Atashroo he has called Dr. Silfvast and did not receive any response. Jackie Hines will pursue getting a more active person to chair LEOS this year.

SP - Ikram Abdou

Tim Young has agreed to serve as treasurer. Ikram has the national distinguished lecturer book for last year. Ali suggested bringing it to Jeff Rollman's attention. SP will be having an executive board meeting soon and activities will be starting in September. The lecture in June covered Digital Filtering Theory & Applications given by Dr. Jake Alsaka.

SRC - Dr. Michael Harris

No Report

UFFC - Tom Voor

No Report

STUDENT - Terry Waldrof

Parveen Wahid will contact Terry to have him attend the executive committee meetings.

5. Treasurers' Report - [Parveen Wahid]

The issue of what to do with the $20,000.00 in the CD maturing September 7th was raised. We agreed to discuss the issue under the strategic planning committee section. The Barnett bank account has been closed and the funds placed in Orange Bank. Wahid will ask the chapter chairmen to render their budgets for the year. Jackie Hines will close the Dreyfus account. The treasurers' report was approved.

6. Minutes of Previous Meeting - David King

There were three minor corrections to the meeting minutes. The minutes were approved.

7. Vice Chairman's Report - Jackie Hines

No Report

8. Chapter's Chairman - Jeff Rollman

No Report

9. Voice Mail - Jorge Medina

Jorge is continuing to test the system. The system is being
upgraded with the names and numbers of the new officers. Jorge gave a demonstration of the method of using the voice mail system. It was decided to have a common password consisting of 'IEEE'. In the future there will be system upgrades including a faster processor board.

10. Membership Development - Bob Smallwood

The latest report shows 1279 members.

11. Awards - Jorge Medina

No Report

12. Programs - Jackie Hines

Wet n Wild fun day is set for September 13. There was enthusiastic discussion on this topic. It was decided to charge $10.00 for adults and $5.00 for children this time around to offset the cost to the section somewhat. Last year it cost the section $2500.00 to subsidize the event. The largest pavilion in the park has been reserved and it should provide ample room for the crowd. It was decided to have barbecued chicken and ribs with baked beans and corn. Meal discussion required healthy debate. Some vegetarian food should be brought to the event for non-meat eaters.

13. Conference - Ed Ellis

No Report

14. Globecom - Ed Ellis

Ed presented a list of volunteer requirements for the Globecom conference coming up in December. Ed mentioned that there will be a single training for the volunteers so it is expected that the volunteers will be consistent in their attendance at the conference. The volunteers will all get free admission to the conference (at least for the day of their service) and generally a free meal (unless they are half day volunteers).

A summary of the volunteer requirements is included at the end of these minutes.

15. Publications - Jorge Medina

Jorge mentioned that the format for the section monthly will be as it appeared in the August issue.

16. PACE - Glen Portz

The cost for attending the PACE conference is being split between the national PACE committee and the local section.
Since this cost would blow the budget of the local section PACE activity Glen proposed not attending the conference this year.

17. Education – Sundaram Kalpathy

A bill of $18 for the return shipping of two duplicate tapes was submitted for reimbursement. No one has borrowed any tapes this summer.

18. Old Business/New Business

The strategic planning committee was tasked with providing a plan for investment of the $20,000.00 fund and submitting the proposal to the finance committee.

Jorge Medina has lined up three speakers for the initial activities of the consultants working group. Funds for this activity are coming from USAB and PACE. The section will provide budget for refreshments. A long term objective for the working group is to establish a local directory of consultants.

Jackie Hines will check on the status of the IEEE standards that are kept in the Orlando Public Library.

19. Adjourn

The meeting was adjourned at 8:27 pm.
1) Technical Session Aides:

Operate Projectors, count attendance, pass out and retrieve survey forms, and help find seating for late arrivals. One or two people needed per technical session.

Sunday Dec. 6  2pm - 5pm  2 Tutorials
Monday Dec. 7  8am - 11am  1 Plenary Session
               9am - 12noon  9 Technical Sessions
               12pm - 2pm    1 Tutorial
               2pm - 5pm    10 Technical Session
               1 Tutorial
Tuesday Dec. 8  9am - 12am  10 Technical Session
               12am - 2pm  2 Panel Sessions
               1 Workshop
Wednesday Dec. 9  9am - 12am  10 Technical Session
                12am - 2pm  2 Panels
                2pm - 5pm  9 Technical Sessions
Thursday Dec. 10  9am - 12am  3 Workshops
                2pm - 5pm  2 Workshops

2) Publication Distribution

Distribute copies of the conference record, prepare shipment for copies shipped to registrants home. Publication distribution/shipment based on tickets presented by the registrant. Located in the exhibit area from 2:00 pm to 5:00 pm Sunday through Wednesday. Two or three people required.

3) Program Session Sign Control

Deliver sign boards before the start of each technical session, workshop etc. Three to five people required.
One person required to handle any sign changes necessary because of no-shows or substitutes.

4) Registration

Two people required during registration hours Sunday through Tuesday to assist and direct attendees to lines, cashiers and help registration run smoothly.
5) **Hotel Arrangements**

Two or three people required to assist in last minute room changes of committee meeting rooms, technical session overflows etc..

6) **Operations and Communications**

Four people are required in the operations center to answer telephones, post messages, operate copier and fax and locate staff.

One or two people required to staff the press room.

7) **Functions Planning**

Assist the Functions planning chair helping musicians, VIP's, flowers etc to their places during receptions, luncheons and banquets. Take tickets, move decorations, and screen attendants.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>People</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday Dec. 6</td>
<td>Welcome Reception</td>
<td>7</td>
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<tr>
<td></td>
<td>VIP Reception</td>
<td>6</td>
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<tr>
<td><strong>Monday Morning</strong></td>
<td>Speaker's Breakfast</td>
<td>4</td>
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<td></td>
<td>Coffee Break</td>
<td>2</td>
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<tr>
<td></td>
<td>Spousal Activities</td>
<td>2</td>
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<tr>
<td></td>
<td>Awards Luncheon</td>
<td>8</td>
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<tr>
<td><strong>Monday Afternoon</strong></td>
<td>Coffee Break</td>
<td>2</td>
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<tr>
<td></td>
<td>Spousal Activities</td>
<td>2</td>
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<tr>
<td><strong>Tuesday Morning</strong></td>
<td>Speaker's Breakfast</td>
<td>4</td>
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<td>Coffee Break</td>
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<td></td>
<td>Spousal Activities</td>
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<tr>
<td><strong>Wednesday Morning</strong></td>
<td>Speaker's Breakfast</td>
<td>4</td>
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<tr>
<td></td>
<td>Coffee Break</td>
<td>2</td>
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<tr>
<td></td>
<td>Spousal Activities</td>
<td>1</td>
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<tr>
<td><strong>Wednesday Afternoon</strong></td>
<td>Conference 'Wrap up' mtg</td>
<td>3</td>
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<tr>
<td></td>
<td>Coffee Break</td>
<td>2</td>
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<tr>
<td></td>
<td>Spousal Activities</td>
<td>1</td>
</tr>
</tbody>
</table>

8) **Membership Booth**
# VOLUNTEER REQUIREMENTS
# GLOBECOM '92

<table>
<thead>
<tr>
<th>FUNCTION &amp; CONTACT</th>
<th>TIME AND DATE</th>
<th>VOLUNTEER'S NAME</th>
<th>TELEPHONE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spouses' Hospitality Suite</strong></td>
<td>7:30 AM to 11:30 AM</td>
<td>#1</td>
<td></td>
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<td></td>
<td>Monday 12/7</td>
<td>#2</td>
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<tr>
<td><strong>Sarah Walter 339-2071</strong></td>
<td>11:30 AM to 4:00 PM</td>
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<td>Monday 12/7</td>
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<td>7:30 AM to 11:30 AM</td>
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<td>Tuesday 12/8</td>
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<td>11:30 AM to 3:30 PM</td>
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<td>Tuesday 12/8</td>
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<td>Wednesday 12/9</td>
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<td>11:30 AM to 3:30 AM</td>
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<td></td>
<td>Wednesday 12/9</td>
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<tr>
<td><strong>VIP Reception</strong></td>
<td>General Greeters to serve at Check-in and Preregistration</td>
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<td></td>
<td>3:00 PM to 6:00 PM</td>
<td>#1</td>
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<td></td>
<td>Sunday 12/6</td>
<td>#2</td>
<td></td>
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<tr>
<td><strong>Linda Claxton 827-2370</strong></td>
<td>3:00 PM to 6:00 PM</td>
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<td></td>
<td>Tuesday 12/8</td>
<td>#1</td>
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<tr>
<td><strong>Work with Committee Chairman on Decorations, Entertainment</strong></td>
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<td></td>
<td>2:00 PM to 6:00 PM</td>
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<td>Sunday 12/6</td>
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<td>2:00 PM to 6:00 PM</td>
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<td></td>
<td>Tuesday 12/8</td>
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</tbody>
</table>

Note: It is hoped that the following volunteer requirements can be filled using spouses of active GC'92 Committee members.
<table>
<thead>
<tr>
<th><strong>FUNCTION &amp; CONTACT</strong></th>
<th><strong>TIME AND DATE</strong></th>
<th><strong>VOLUNTEER'S NAME</strong></th>
<th><strong>TELEPHONE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Awards Luncheon &amp; Banquet</td>
<td>Food &amp; Beverages Volunteer (See attached Description)</td>
<td>10:00 AM to 2:00 PM Monday 12/7</td>
<td></td>
</tr>
<tr>
<td>Mary Forrest 237-3501</td>
<td>Assist Committee Chair with Decorations, Banners, and Placement of Handouts</td>
<td>10:00 AM to 2:00 PM Monday 12/7 #1</td>
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<td>3:30 PM to 10:00 PM Tuesday 12/8 #1</td>
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</tbody>
</table>

| **Press Room and Volunteer Break Room** | One Volunteer is required to act as sub-committee chair and assure supplies, coffee and other services as may be needed, are always available. Hours of operation are 12:30 AM to 5:30 PM Saturday 12/5, 7:30 AM to 5:30 PM Sunday 12/6 through Wednesday 12/9, and 7:30 AM to 12:30 PM Thursday 12/10. |  |
| **Amy Wallon 660-6924** | |  |

<p>| <strong>Workshop Lunches</strong> | 15 September through 10 December | Sub-Committee Chairperson |
| <strong>Wrap-Up Session</strong> | 15 September through 10 December | Sub-Committee Chairperson |</p>
<table>
<thead>
<tr>
<th>Function &amp; Contact</th>
<th>Time and Date</th>
<th>Volunteer's Name</th>
<th>Telephone</th>
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</thead>
<tbody>
<tr>
<td>Technical Program</td>
<td>Distribute signboards for technical Program Sessions</td>
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<tr>
<td>Sign Control</td>
<td>7:30 AM to 11:00 AM</td>
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<td>Monday 12/7</td>
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<td></td>
<td>Monday 12/7</td>
<td>#2</td>
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<tr>
<td>Gary Freeman</td>
<td>7:30 AM to 11:00 AM</td>
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<td>Tuesday 12/8</td>
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<td>Tuesday 12/8</td>
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<td>7:30 AM to 11:00 AM</td>
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<td>Wednesday 12/9</td>
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<td></td>
<td>Wednesday 12/9</td>
<td>#2</td>
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<tr>
<td>Receptions</td>
<td>15 September Through 9 December</td>
<td>Sub-Committee Chairperson</td>
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<tr>
<td>Amy Wallon</td>
<td>660-6924</td>
<td>General Volunteer to assist sub-committee chairperson</td>
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<td>4:00 PM to 9:30 PM</td>
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<td>Sunday 12/6</td>
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<td>Tuesday 12/8</td>
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<tr>
<td></td>
<td>Food Coordination Volunteer (see attached description)</td>
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<td>4:00 PM to 9:30 PM</td>
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<td>Tuesday 12/8</td>
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<td>Decorations Volunteer (See attached description)</td>
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<td>4:00 PM to 9:30 PM</td>
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<td>Sunday 12/6</td>
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<td></td>
<td>Entertainment Volunteer (See attached description)</td>
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<td>5:00 PM to 9:30 PM</td>
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<td>Sunday 12/6</td>
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<td>FUNCTION &amp; CONTACT</td>
<td>TIME AND DATE</td>
<td>VOLUNTEER'S NAME</td>
<td>TELEPHONE</td>
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<tr>
<td>Coffee Breaks</td>
<td>15 September through 10 December</td>
<td>Sub-committee Chairperson</td>
<td></td>
</tr>
<tr>
<td>Amy Wallon</td>
<td>2:00 PM to 4:30 PM Sunday 12/6</td>
<td>General Volunteer to assist Sub-committee Chairperson</td>
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<tr>
<td></td>
<td>9:00 AM to 11:30 AM Monday 12/7</td>
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<td>2:00 PM to 4:30 PM Monday 12/7</td>
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<td>9:00 AM to 11:30 AM Tuesday 12/8</td>
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<td>2:00 PM to 4:30 PM Tuesday 12/8</td>
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<td>9:00 AM to 11:30 AM Wednesday 12/9</td>
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<td></td>
<td>2:00 PM to 11:30 AM Wednesday 12/9</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Speakers' Breakfasts</th>
<th>Volunteer #1 will assist the sub-committee chairperson in working with hotel staff on food and beverages, and should work from 5:30 AM to 9:00 AM. Volunteer #2 will greet breakfast attendees, verify that they are a speaker for that day, and direct them to the appropriate table. Work time will be from 6:00 AM to 8:00 AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gina Talley</td>
<td>5:30 AM to 9:00 AM #1</td>
</tr>
<tr>
<td>827-2330</td>
<td>6:00 AM to 8:00 AM #2</td>
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<td></td>
<td>Monday 12/7</td>
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<td></td>
<td>5:30 AM to 9:00 AM #1</td>
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<td></td>
<td>6:00 AM to 8:00 AM #2</td>
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<td>Tuesday 12/8</td>
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<td></td>
<td>5:30 AM to 9:00 AM #1</td>
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<tr>
<td></td>
<td>6:00 AM to 8:00 AM #2</td>
</tr>
<tr>
<td></td>
<td>Wednesday 12/9</td>
</tr>
<tr>
<td>TIME AND DATE</td>
<td>VOLUNTEER'S NAME</td>
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</tr>
<tr>
<td><strong>FUNCTION &amp; CONTACT</strong></td>
<td><strong>TIME AND DATE</strong></td>
</tr>
<tr>
<td>Operations and Communications</td>
<td>1:00 PM to 5:30 PM</td>
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<td></td>
<td>Sunday 12/6</td>
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<td>7:30 AM to 5:00 PM</td>
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<td>Wednesday 12/9</td>
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<td>7:30 AM to 1:00 PM</td>
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<tr>
<td></td>
<td>Thursday 12/10</td>
</tr>
<tr>
<td><strong>Hotel Arrangements</strong></td>
<td><strong>Help Committee Chairperson with Last-Minute Room and Facility Changes</strong></td>
</tr>
<tr>
<td></td>
<td>10:00 AM to 6:00 PM</td>
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<tr>
<td></td>
<td>Sunday 12/6</td>
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<td>7:30 AM to 5:00 PM</td>
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<td>7:30 AM to 11:00 AM</td>
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<tr>
<td></td>
<td>Thursday 12/10</td>
</tr>
<tr>
<td><strong>Social Functions</strong></td>
<td>One volunteer is required at the BV Palace Hotel and one at the Grosvenor Hotel to direct participants in the Monday evening Social event to the tour bus pick-up area.</td>
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<tr>
<td></td>
<td>6:00 PM to 7:00 PM</td>
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<td></td>
<td>Monday 12/7</td>
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<td>Technical Sessions</td>
<td>The Following Tutorials, Workshops, Mini-Conference Sessions, and Panel sessions will require one volunteer, each, to help with Audio-Visual Equipment, distribute hand-outs, usher if the room has been darkened, collect written questions and assure speakers have visual aids (pointers, etc) and water</td>
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<tr>
<td>Tutorial #1: Broadband Service Requirements: A User Perspective</td>
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<td>Tutorial #2: Information Networking Architecture</td>
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<td>Tutorial #3: Broadband Applications: Strategic Benefit for Industry</td>
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<td>Tutorial #4: ISO 9000 Quality Management Standards and Their Impact on Global Businesses</td>
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<td>Tutorial #5: Network Intrusion Detection</td>
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<td>Workshop 1: Software Interoperability Across Suppliers &amp; Releases</td>
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<td>Workshop 2: Powering for Fiber in the Loop Systems</td>
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<td>Workshop 3: User Oriented Telecommunications Network Management</td>
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<td>Workshop 4: 20/30 GHz Space and Satellite Technology</td>
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<td>Workshop 5: Networking of Personal Communications Applications</td>
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<td>Session 4: Quality Management Strategies (Panel)</td>
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<td>Session 19: Key Technologies for the Americas and Related Standards. (Panel)</td>
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<td>Session 21: ISO 9000 Series Standards A New Way of Doing Business (Panel)</td>
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<td>Session LP1: TDMA or CDMA: The Solution for Microcellular PCM's (Lunchtime Panel)</td>
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<td>Session LP2: Europe '93: The Common Market for Telecommunications (Lunchtime Panel; attendees bring box lunches)</td>
<td>11:30 AM to 2:15 PM</td>
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<td>Special Panel 1: Competition in the Local Loop</td>
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<td>Session CTMC 1: Communication Theory: Channel Equalization</td>
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<td>Session CTMC 2: Communication Theory: Mobile Communications</td>
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<td>Session CTMC 3: Communication Theory: Multi-User Communications Using Spread Spectrum Technology</td>
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<td>Session CTMC 4: Communication Theory: Bandwidth Efficient Modulation and Coding</td>
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<td>The following technical sessions will each require two volunteers,</td>
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<td>tending to speakers needs (Pointers, water), distributing handouts,</td>
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<td>collecting written questions, ushering if needed, and other</td>
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<td>miscellaneous tasks as may arise. The name and telephone number of the</td>
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<td>person to contact regarding these assignments will be announced in</td>
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<td><strong>Session 1: Wireless Data Network in PCS</strong></td>
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<td><strong>Session 2: Coding &amp; Equalization for Digital Subscriber Loops</strong></td>
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<td><strong>Advances in Image Processing</strong></td>
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<td>**Session 9: Application of Object-Oriented Technology to Tele-</td>
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<td>**communications Systems; and Users' Tools for Services and Network</td>
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<td>Session 16: Emerging Software Technologies for Services Support</td>
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<td>Session 17: Network Planning, Management &amp; Interconnection</td>
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<td>Session 18: Advances in the Theory and Practice of Fault Tolerance with Applications to Information Networks</td>
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<td>Session 20: Wireless Personal Radio Systems: Techniques and Applications; and Topics in Personal Radio Communications Systems and Services</td>
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<td>Session 23: Hypermedia/CSCW and Its Applications</td>
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<td>Session 24: Dynamic Phenomena in Communications Networks</td>
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<td>Session 26: Spread Spectrum Systems Multiple Access for Personal Radio Communications Systems</td>
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<td>Session 27: Advances in Modulation, Coding/Decoding for Fading Channels</td>
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<td>Session 28: Packet Network Services &amp; Applications</td>
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<td>Session 29: Mobile Communications for Developing Countries; and Cellular Communications in Latin America: Experience and Future Developments</td>
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<td>Session 30: Distributed Architecture for Operating Telecommunications Networks</td>
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<td>Session 31: 802.6, SMDS, and FDDI MAN/WAN Experiences</td>
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<td>Session 32: Signal Processing &amp; Coding; and Coding for Video and High Definition Television</td>
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<td>Session 33: Operations System to Network Element Interface Protocol of Choice</td>
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<td>Session 34: Experimental Studies of Protocols and Traffic Measurements for Broadband Networks; and Signaling Systems for Broadband ISDN</td>
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<td>MANs and WANs; and Knowledge-Based Network Management</td>
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<td>VLSI and Communications</td>
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<td>Session 38</td>
<td>Neural Networks for Communications &amp; Signal Processing</td>
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<td>Session 39</td>
<td>Wireless Local Area Networks</td>
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<td>Transport Protocols for Video &amp; Multimedia</td>
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<td>Session 41</td>
<td>Radio Resource Management in Personal Communications Systems</td>
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<td>Session 42</td>
<td>Next Generation Undersea Communication System; and Techniques for Modeling Large High-Speed Networks</td>
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<td>Switching Software, Architecture &amp; Performance</td>
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<td>Session 44</td>
<td>Teletraffic Analysis and Performance Evaluation of B-ISDN</td>
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<td>Modernizing Telecommunications Networks: Accent on Eastern Europe</td>
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<td>46</td>
<td>Optical Switching</td>
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<td>High Speed LANs and MANs</td>
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<td>48</td>
<td>Trends in Field Reliability and Performance Analysis</td>
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<td>49</td>
<td>Advances in Standardization of Low-Rate Signal Processing</td>
<td>1:30 PM to 5:15 PM</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Wednesday 12/9</td>
<td>#2</td>
</tr>
<tr>
<td>50</td>
<td>Operations of CCS Networks and ISDN in the 90's</td>
<td>1:30 PM to 5:15 PM</td>
<td>#1</td>
</tr>
<tr>
<td></td>
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<td>Wednesday 12/9</td>
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</tr>
<tr>
<td>51</td>
<td>Coding and Modulation</td>
<td>1:30 PM to 5:15 PM</td>
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<td></td>
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<td>#2</td>
</tr>
<tr>
<td>52</td>
<td>Modeling and Simulation of Wireless PCN Channels</td>
<td>1:30 PM to 5:15 PM</td>
<td>#1</td>
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<td></td>
<td></td>
<td>Wednesday 12/9</td>
<td>#2</td>
</tr>
<tr>
<td>53</td>
<td>Microwave Radio Systems for Future Telecommunications Networks</td>
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<td></td>
<td></td>
<td>Wednesday 12/9</td>
<td>#2</td>
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<tr>
<td>54</td>
<td>Next Generation Lightwave System</td>
<td>1:30 PM to 5:15 PM</td>
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<tr>
<td></td>
<td></td>
<td>Wednesday 12/9</td>
<td>#2</td>
</tr>
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</table>
VOLUNTEER JOB DESCRIPTIONS

General Volunteer - assists the sub-committee chairperson. Could vary from getting flowers, helping with the food, tracking down specific individuals, etc.

Food/Beverage Volunteer - assists the sub-committee chairperson with matching food with menu orders, running errands, and answering inquiries of hotel staff.

Decorations Volunteer - assists the sub-committee chairperson secure flowers, intercept flowers, arrange or re-arrange flowers, place flowers at specific locations, pick up flowers after functions. Also assists with banners and other decorations.

Entertainment Volunteer - Assists the sub-committee Chairperson with meeting, greeting, orienting, setting up, assisting, etc., any entertainers as may be used.
Plan for Long Term Investment of IEEE Capital Fund

Introduction

The Strategic Planning Committee has been tasked with the development of a long term investment plan for a capital fund initially comprised of $20,000.00. A preliminary assessment of market conditions and financial investment alternatives has been conducted. The Strategic Planning Committee will meet in September to discuss the following data and alternatives, and will propose a concrete development plan at the October executive board meeting.

Objectives

The IEEE has a current cash surplus with the near term potential of further cash reserves coming from Globecom. As a result of the initial Strategic Planning Committee meetings, it was recommended that the IEEE invest the cash in a long term financial vehicle suitable for meeting several primary objectives.

1) Financial security with relatively high performance.
2) Capital growth for future returns.
3) High yield for permanent income.

Approach

The analysis of prevailing market conditions has been arrived at through a long term evaluation of investment and economic factors as described in the Intelligence Report from Richard C. Young. More than a year of monthly investment report issues have been collected and analyzed along with several investment reports published by the same author.

Richard Young worked for Wall Street investment firms for 15 years after graduating from Babson College, rising to the position of vice president of international services for Hoenig & Co. In 1977, he established Young Research & Publishing Inc., as an independent financial advisory service. Forbes praises his forecasts as "remarkably accurate," and Money magazine says his recommendations "have been worth their weight in bullion."

Having received the Investment Report for more than a year, I would appraise his style as conservative and steady. His advice is always geared to the steady investor, in for the long haul. He never recommends trading strategies or risky investments. The economic forecasts that I have observed have been accurate, and my assessment of his technical approach is that he is very thorough and systematic.

Mr. Young gives detailed descriptions of practical methods for tracking the prevailing market conditions. He tells you exactly how to determine the status of various economic indicators in plain English. He also explains the meaning of these indicators and how they interrelate. In his monthly newsletter he explains the economic conditions in terms of these indicators, giving the reader positive assurance of his method
and approach. Having invested in the markets for the past ten years and as a student of economic conditions and theory, I find his candor and style refreshingly straightforward.

I recommend that the IEEE subscribe to the Intelligence Report to support current and future investment needs.

Current Economic Conditions

The past year has been disappointing for many in the engineering field. Despite this prevailing employment situation, the economic conditions have turned up. We are definitely not experiencing the recessionary environment that was in place last year at this time. The good news is that the recession appears to be past us. The not so good news is that we are not busting out of the recession with a strong recovery. Things are so so, in a word. There's further good news however, in that inflation does not look likely in the near future, as most indicators in this area are positive. The prospect therefore is for continued improvement with growth in corporate earnings and slow but steady economic recovery. A copy of the economic indicator pages of the Intelligence report is attached.

Investment Alternatives

Several investment candidates have been identified that meet the requirements outlined in the objectives section. Among these alternatives are the following:

- 6-month U.S. T-Bills
- Benham Capital Preservation Fund
- 5-7 Year U.S. Treasury Notes
- Benham Treasury Note Trust
- Vanguard Fixed Income Intermediate term Treasury Fund
- Vanguard Equity Income Fund
- Blue Chip common stocks
  - Mellon Bank Preferred J (Pfj)
  - Morgan Stanley Preferred C (pfC)
- Utilities
  - National Fuel Gas (NYSE:NFG)
  - Rochester Tel (NYSE:RTE)
- U.S. Treasury Zeros
- Benham Target Maturities Trust Series
- Vanguard Index Trust

The expected range of performance for these investment vehicles is between 6.5 and 9% over the long term. The lower risk U.S. Treasuries are guaranteed by Uncle Sam and deliver much better rates than current CDs. The Vanguard family has been highly recommended for low turnover and minimum cost with excellent management. The Benham family has been similarly recommended. Individual stocks are high yield, but represent less diversification and therefore more inherent risk. For our current objective a fund or US securities purchase is prescribed.
IEEE ORLANDO SECTION - FINANCIAL SUMMARY, 1 SEP 1992

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<td>1/92-12/92</td>
<td>01 Sep 92</td>
<td>1992 YTD</td>
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<tr>
<td>BUDGET</td>
<td>YTD</td>
<td>YTD</td>
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BEGINNING BALANCE (7 January 1992)

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<td>PE/IA</td>
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<tr>
<td>SRC</td>
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<tr>
<td>UFFCS</td>
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<td>4. Monthly Newsletter Rebate</td>
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<td>5. PE/IA Tutorial</td>
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TOTAL INCOME

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EXPENSES

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<td>4. Programs</td>
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<td>5. PACE</td>
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<td>6. Membership development</td>
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<td>7. Chapters:</td>
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<tr>
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CHMT/ED 100.00  50.00  50
COM/VT  150.00  54.54  36
COMP  1288.00  1289.43  100
LEOS  1000.00  0.00  0
PE/IA  1000.00  262.00  26
SP  460.00  246.34  54
SRC  400.00  556.93  139
UFFCS  400.00  668.54  167
8. Voice Information Center - Phone Bill 200.00  0.00  0
9. PE/IA Tutorial  0.00
10. Globecom '92  0.00
11. IEEE Student Branch  400.00  700.00  175
12. HQ Charges for Services, Labels, etc.  500.00  0.00  0
13. Video Library  2500.00  -118.72  -5
14. Other: Bank Charges  100.00  117.52  118

TOTAL EXPENSES
26068.00  11631.49  45

INCOME-EXPENSES
-7878.78  -6349.21  81

ENDING BALANCE TOTAL (Begin Bal+Income+Exp)
29106.10  30635.67  105
IEEE ORLANDO SECTION - TREASURER’S REPORT, 1 SEPT. 1992

Checking account balance (20 July Treasurer’s rpt) $11,659.17

DISBURSEMENTS:
1005 4-Aug-92 Medina Software - Newsletter, Installation Banq. $720.19
1006 4-Aug-92 Jackie Hines - Xerox $5.09
1007 4-Aug-92 Wet ’n Wild - Deposit Fun Day $100.00
1008 4-Aug-92 Sundaram - Book Purchase $1.59
1-Sep-92 Check Order $88.30

Total Expenses $915.17

DEPOSITS:
5-Aug-92 Video tape refund $118.72
1-Sep-92 June Advt. $80.00

Total deposits $198.72

SUMMARY:
Checking account balance (20 July Treasurer’s rpt) $11,659.17

Less Disbursements $915.17
Add deposits $198.72

Checking account balance (1 Sep Treasurer’s rpt) $10,942.72

Orange bank Certificate of Deposit (1 Sep 1992) $20,000.00

Dreyfus Fund Balance (2 April 1991) $0.66

TOTAL LIQUID ASSETS $30,943.38

Respectfully Submitted
Tuesday, 1 September 1992

Parveen Wahid
IEEE Orlando Section Treasurer
# List of Meetings

**February 1992 - Present**

<table>
<thead>
<tr>
<th>Society</th>
<th>Date</th>
<th>Title of Meeting</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES</td>
<td>Feb 6, 1992</td>
<td>No Title</td>
<td>Dr. Farhan Faruqi</td>
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<td>AP/MTT</td>
<td>Feb 20, 1992</td>
<td>Application of High Temp Super Conductors to Antennas</td>
<td>Dr. Stuart Long</td>
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<td>April 1, '92</td>
<td>Using Network Analyzers to Measure Dielectric Properties</td>
<td>David Engelder</td>
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<tr>
<td></td>
<td>April 23, 92</td>
<td>A General Overview of Frequency Synthesis</td>
<td>Rick Walsh/Serge Chaylos</td>
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<tr>
<td></td>
<td>May 14, 1992</td>
<td>INP HEMT's The Transistor for MM-Wave MMIC's</td>
<td>Richard T. Webster</td>
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<tr>
<td>COM/VT</td>
<td>April 8, '92</td>
<td>Overview of Telecommunications at Orlando Int. Airport</td>
<td>Hugh MacBeth</td>
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<tr>
<td>COMPUTER</td>
<td>March 16, 1992</td>
<td>Characterizing Parallel Algorithms.</td>
<td>Dr. Leah Jamieson</td>
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<tr>
<td></td>
<td>March 17, 1992</td>
<td>A Software Environment for Parallel Computer Vision.</td>
<td>Dr. Leah Jamieson</td>
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<tr>
<td></td>
<td>April 14, 1992</td>
<td>Ethics in Business</td>
<td>Richard C. Burning</td>
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<tr>
<td></td>
<td>May 18, 1992</td>
<td>Election of Officers</td>
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SP

Feb 12, 1992  Distributed Arithmetic for Signal Processing.  Dr. Stan White

June 17, 1992  Digital Filters: Theory and Applications.  Dr. Jacob Alsaka

UFFC

March 19, '92  SAW Based Sensor Technology and Applications.  Brent Horine

April 2, 1992  Ultrasonics of High Tc and Other Unconventional Superconductors.  Moises Levy
To: Dr. Parveen Wahid  
From: Jorge Medina  
Date: 8/30/92  
Subject: IEEE Proxy  

I hereby designate Dr. Parveen Wahid to be my proxy on all voting matters on September 1, 1992 at the IEEE Orlando Section Executive meeting.

Sincerely,

Jorge Medina  

Reports:

AWARDS: Letters seeking endorsements for the Orlando Section Outstanding Engineer, Outstanding Service and Outstanding Educator for the FCIIEEE and Region 3 awards were mailed out last month. Nobody has responded yet.

PUBLICATIONS: A one-page paid advertisement has been lined up for the next issue. All meeting notices are due at my office no later then the 8th of September at 5:00 PM. The membership disk for the month of July reflects on active membership of 1291 members.

Consultants' Network: I have received a great deal of calls for my next meeting on September 8th, even from other Sections around the State. Two speakers have been lined up for our next future meetings.
ORLANDO CHAPTER OF AP/MTT

BUDGET FOR 1991-92

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<tr>
<th>ITEM</th>
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<td>Membership List</td>
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<td>Mailing Labels</td>
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<td>Envelopes and Postage</td>
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<td>Repro Mtg. Notice</td>
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<td>Speakers' and Chairman's Dinners</td>
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<td>Speakers' Lodging</td>
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SOURCES OF FUNDS

<p>| Antennas and Propogation Society  | $ 500.00       |
| Microwave Theory and Techniques   | $ 350.00       |
| Orlando Section of IEEE           | $ 603.00       |
| TOTAL                             | $1277.16       |</p>
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<th>AFFILIATION</th>
<th>IEEE</th>
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<th>MIT</th>
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<td>Laurie Dunn</td>
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<td>Panveen Waliud</td>
<td>UCF</td>
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<td>Amir Mortazawi</td>
<td>UCF</td>
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<td>J. Heinbockel</td>
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<tr>
<td>Jeff Rollman</td>
<td>Martin</td>
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<td>Bob Smallwood</td>
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<td>Bob Cock</td>
<td>MM</td>
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<td>Yakkhere Hanna</td>
<td>MM</td>
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<td>Qi Chen</td>
<td>TSA</td>
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<td>W. Hanuman</td>
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**ORLANDO SECTION IEEE EXECUTIVE COMMITTEE**

**MEETING AGENDA**

October 6, 1992

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<td>1. Call to order</td>
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<tr>
<td>2. Chairman's Remarks</td>
<td>A. ATASHROO* 5</td>
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<tr>
<td>3. Quorum/Agenda</td>
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<tr>
<td>4. Chapter Reports:</td>
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<tr>
<td>AES</td>
<td>D. FLINCHBAUGH* 2</td>
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<tr>
<td>AP/MTT</td>
<td>L. DUNN* 2</td>
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<td>COMPUTER</td>
<td>E. EVENSON* 2</td>
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<tr>
<td>COM/VT</td>
<td>M. GERMAIN* 2</td>
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<tr>
<td>ED/CHMT</td>
<td>K. SUNDARAM* 2</td>
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<tr>
<td>LEOs</td>
<td>W. SILPVAST* E. VON STRAHLAN 2</td>
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<td>NEURAL NETWROK WG</td>
<td>M. GEORGIOPoulos* 2</td>
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<td>PE/IA</td>
<td>J. PIPKIN* 2</td>
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<td>SP</td>
<td>I. ABDou* 2</td>
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<tr>
<td>SRC</td>
<td>N. HARRIS* HARLEY MCLAREN 2</td>
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<tr>
<td>UFFC</td>
<td>T. VOOR* 2</td>
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<td>STUDENT CONSULTANTS NETWORK</td>
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<td>5. Treasurer's Report</td>
<td>P. WAHID* 5</td>
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<tr>
<td>6. Minutes of previous meeting</td>
<td>D. KING* 5</td>
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<td>7. Vice Chairman's Report</td>
<td>J. HINES* 2</td>
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<td>8. Chapter's Chairman</td>
<td>J. ROLLMAN* 2</td>
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<td>10. Membership Development</td>
<td>B. SMALLWOOD* 2</td>
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<td>13. Conference</td>
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<td>14. Globecom '92</td>
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<td>15. Publications</td>
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<td>16. PACE</td>
<td>G. PORTZ* 1</td>
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<td>18. Old Business</td>
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<td>19. New Business</td>
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<td>20. Adjourn</td>
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**TOTAL** 84

* Voting Officers: Total 21

Quorum 10+1=11
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<tr>
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<td>Dave Kung</td>
<td>628-4462</td>
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<td>Jackie Hines</td>
<td>628-1604</td>
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<td>Ali Atashroo</td>
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<td>356-6914</td>
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<td>Parveen Wahid</td>
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<td>Harley Myler</td>
<td>659-4680</td>
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<td>Kelpetti B. Sundaram</td>
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<td>Eric VanSlyland</td>
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<td>Jim Lipski</td>
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<td>Dr. David E. Flinchbaugh</td>
<td>859-4855</td>
<td>859-7310 x34</td>
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<tr>
<td>Ikram Abdou</td>
<td>671-0397</td>
<td>356-0322</td>
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<td>Ed Ellis</td>
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<tr>
<td>Glenn Portz</td>
<td>644-2408</td>
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<tr>
<td>Michael Georgiopoulos</td>
<td>275-2665</td>
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<td>David Brooke</td>
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<td>Ed Evenson</td>
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<td>loisie Dunn</td>
<td>678-9674</td>
<td>407-867-3193</td>
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<td>Tom Voor</td>
<td>648-0777</td>
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<tr>
<td>Jorge Medina</td>
<td>260-1676</td>
<td>678-4828</td>
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<tr>
<td>Michael Germain</td>
<td>678-5599</td>
<td>(104) 90-1483</td>
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<tr>
<td>Debra Ann Kemmitz</td>
<td>658-4595</td>
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<tr>
<td>Frank Tabor</td>
<td>677-6144</td>
<td>—</td>
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</table>
From the Desk of:

DR. PARVEEN WAHID
Associate Professor
Electrical Engineering Department

I authorize

Dr. Parveen Wahid

To be my proxy at tonight's IEEE executive meeting.

Sincerely,

[Signature]

10/6/92
1. Call to Order

The meeting was called to order at 6:00 P.M.

2. Chairman's Remarks - Ali Atashroo

On August 15 Ali attended the Florida Council meeting. The following objectives were put forth by the regional activities board:

Encourage chapters & maintain access by members
Encourage use & development of new & existing educational resources
Encourage member involvement

February 14-20 is national engineering week. 'Energy' is the theme. The goal this year is to increase public awareness by highlighting engineering involvement in energy. The number for the IEEE US activity office is (202)-785-0017.

There is a database of volunteers available for 'engineers for education'; the number is (203)-794-4000.

The goal is for U.S. students to be ranked number 1 in the world in math and sciences by the year 2000.

A catalog of materials and video library for technical, professional and promotional use is available; contact Ali Atashroo.

The 1993 rebates are to be based solely on membership. The
first rebate will be in March. Next year they will match our 1992 rebate, but thereafter the rebate will be allocated according to head count. 5.5% of basic dues come back to the region; the goal is 10%. Dues will increase by $6.00 next year. Southcon 1993 will be in Fort Lauderdale. Southcon 1994 will be in Orlando.

3) Quorum/Agenda

The session had a quorum.

4) Chapter Reports

AES - David Flinchbaugh

Budgets are due by the next meeting (October) for all chapters. Either contact Parveen or the default values for each chapter will be used (~$250.00). Meetings are being planned for AES now.

AP/MTT - Laurie Dunn

On the 17th of September there will be a lecture on 'Spatial Power Dividers'. Another lecture is being lined up for October or November. AP/MTT is planning to have a distinguished national lecturer in December.

COMPUTER - E. Evenson

The Computer society has met with the officers of the student branch. They will be starting monthly meetings with some educational videos to start. Plans are under way to have 2 or 3 meetings with speakers from various areas. Some meetings may be jointly sponsored with the Unix users group. No dates for meetings have been set yet.

COM/VT - Michael Germain

There will be a meeting sometime in October or November to include student members and bringing in a high level speaker. Jackie Hines mentioned that the budget year is the calendar year for the section, but it is from July to July for the chapters.

ED/CHMT - Kalpathy Sundaram

Bob Canright is in Dallas with a new position. Some discussion was had regarding the status of the chapter and the possibility of going inactive. There must be at least 4 technical sessions per year to maintain active status effective i 1993. A listing of each chapters members will be printed out by George Medina to help the chapters stir interest.
LEOS - Dr. William Silvfast

Jackie could not get hold of Dr. Silvfast. This has happened in the past. One year Geoff Dick wrote a letter to the chapter members in an effort to avoid having the chapter go inactive.

Neural Network WG - Dr. M. Georgiopoulos

No report.

PE/IA - Jim Pipkin

No Report.

SP - Ikram Abdou

The executive board met on August 14. They discussed the arranging of speakers. Plans are in the works to have another MRI center tour this year. The national distinguished lecturer has not been determined yet. Ikram is having a bit of trouble getting information from national. SP will stay within the 92 budget in 93.

SRC - Dr. Michael Harris

No Report

UFFC - Tom Voor

No speakers have been selected yet. 5 technical meetings are planned this year. A rough draft of the budget has been worked out. It was pointed out by Jackie that three chapters are currently over budget.

STUDENT - Terry Waldrof

Debra Kenmitz and David McKinny sat in for Terry Waldrof. They have had a meeting and are planning 3 tours and 6 meetings per semester. They are considering a plan to teach a course in practical electronics fabrication (soldering and wire wrap techniques) in one of the electronic labs. They will enter the hardware design competition in the engineering fair in February. Also under consideration is entering the paper contest.

5. Treasurers' Report - Wahid Parveen

The treasurers report was reviewed and approved. Some chapters are over budget A motion was made to increase the students budget by some amount. It was agreed that the student chapter would first submit a proposed budget before an increase would be enacted. Motion were made and approved
to raise budget for two for the three societies currently over budget. The budget for Computer was raised by $400.00 and the budget for UFFCS was raised by $100.00 to cover their expenses through the end of the year. The SRC budget was not raised since they were not represented at the meeting.

6. Minutes of Previous Meeting - David King

The minutes were reviewed and approved.

7. Vice Chairman's Report - Jackie Hines

Glen Portz has information on available work. Jackie checked on the status of the IEEE standards at the Orlando Public Library. They will be sending a list.

8. Chapter's Chairman - Jeff Rollman

Jeff will be sending out a pamphlet or a letter to the chairmen.

9. Voice Mail - Jorge Medina

No report.

10. Membership Development - Bob Smallwood

If anyone needs applications, see Bob Smallwood. Ed Ellis was concerned that Region 3 seems to think that Orlando is section 4 not section 5. We need to get a reading on this.

11. Awards - Jorge Medina

No Report

12. Programs - Jackie Hines

We are holding the line at 250 tickets for Wet n Wild this year. For those who are not IEEE members, have a member buy the tickets for them.

13. Conference - Ed Ellis

See below.

14. Globecom - Ed Ellis

Ed passed out a list with 14 sheets of volunteer requirements for Globecom. The bulk of the activity is in the support for technical sessions.
15. Publications - Jorge Medina

No report.

16. PACE - Glen Portz

Glen is concentrating on unemployment issues this year. PACE is supporting legislation for portable pensions which directly impacts this issue. Also Glen suggested that we need to inform students about the current employment conditions.

17. Education - Sundaram Kalpathy

Seminole and Orange schools have been contacted to open dialogue about IEEE volunteers offering education to students. A list of names and topics will be forthcoming. Contacts include the following:

Seminole: Lynn Baggett
834-8211 Jane Lane

Orange:
Jim Nelson (science)
849-3339 Dr. Burns (math)

Is anyone interested in tutoring math? The question will be asked through the newsletter. The manager of technology review at Disney is interested in educating the public about energy and transportation.

18. Old Business/New Business

The strategic planning committee provided a sheet on the possible investments for the IEEE capital fund. These were briefly discussed due to the lateness of the hour.

19. Adjourn

The meeting was adjourned at 7:45 pm.
Meeting Announcements

Unless otherwise stated, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

POWER ENGINEERING/INDUSTRY APPLICATIONS (PE/IA)

Seminar Series: POWER GENERATORS

Date: Thursday Evenings, Sep 17-Nov 12
Time: 6:30 PM - 8:30 PM
Location: Westinghouse Quadrangle, 4400 Alafaya Trail, Orlando (Across from UCF, just North of University & Alafaya Intersection)
Fee: $75 IEEE members
$95 non-members
Contact: Bob Nelson (381-6308), Tim Turba (423-9100), Luis Ramos (240-9038) or Mehrdad Mohseni (422-4911)

NEURAL NETWORK WORKING GROUP

Real-Time Neural Net Processing

Speaker: Mr. Ron Sartain
Date: Thursday, October 15, 1992
Time: Meeting at 6:00 PM
Location: Rapid Imaging Inc., 5955 T. G. Lee Blvd., Suite 150, Orlando, FL 32822
Contact: Dr. M. Georgiopoulos at 823-5338, Ron Sartain at 356-4432 or leave message at 260-1676, ext. 6, voice mailbox 313

SIGNAL PROCESSING (SP)

Introduction to Wavelet Transform

Speaker: Dr. Larry Peele
Date: Wednesday, October 14, 1992
Time: 5:30 PM, Refreshments will be served
Location: UCF, Engineering Building
Contact: Dr. Ikram Abdou at 356-0322 or leave message at 260-1676, ext. 6, voice mailbox 233.

CONSULTANTS’ NETWORK WORKING GROUP

Technology Licensing

Speaker: Mr. Edward G. Tutle
Date: Tuesday, October 13, 1992
Time: Meeting at 6:00 PM
Location: Medina Software, Inc., 385 Commerce Way, Suite 101, Longwood, FL 32750
Contact: Call Jorge Medina at 628-4828 for reservations or leave message at 260-1676, ext. 6, voice mailbox 323
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

EXECUTIVE BOARD
Chairman: Dr. M. Ali Atashroo, Martin Marietta
(VM) 901, (O) 356-6914, (H) 539-0465
Vice Chairman: Jacqueline Hines, Sawtek Inc.
(VM) 902, (O) 885-8860, (H) 526-1504
Treasurer: Dr. Parveen Wahid, UCF
(VM) 904, (O) 823-2610, (H) 677-0571
Secretary: Dave King, Martin Marietta Corp.
(VM) 903, (O) 275-2318, (H) 699-4890
Jr. Past Chair.: Jorge Medina, Sigtone, Inc.
(O) 628-4828, (H) 260-1676
Sr. Past Chair.: Dr. Majid Belkerd, UCF
(O) 823-5793, (H) 699-4890

COMMITTEE CHAIRMEN
Awards: Jorge Medina, Sigtone, Inc.
(VM) 905, (O) 628-4828, (H) 260-1676
Chapters: Jeff Rollman, Martin Marietta Corp.
(VM) 906, (O) 356-6310, (H) 671-2568
Cont/Ed: Ed Ellis, (VM) 907/908, (O) 834-3319
Education: Dr. Kalpathy Sundaram, UCF
(VM) 909, (O) 823-5326, (H) 671-6843
Historian: Russell E. Theisen, Martin Marietta
(VM) 910, (O) 356-4320, (H) 671-4139
Membership: Bob Smallwood, Hewlett-Packard
(VM) 911, (O) 826-9217, (H) 365-9724
PACE: Glenn Portz, (VM) 912, (O) 644-2408
Programs: Jacqueline Hines, Sawtek Inc.
(VM) 913, (O) 886-8860, (H) 628-1604
Publications: Jorge Medina, Sigtone, Inc.
(VM) 914, (O) 628-4828, (Fax) 628-5820
Strategic Plan: Dave King, Martin Marietta
(VM) 915, (O) 275-2318, (H) 699-4890
Student Activities: Dr. Michael Harris, UCF
(VM) 916, (O) 623-2548, (H) 366-1214

SOCIETY CHAPTER CHAIRMEN
AES: Dr. David Finchbaugh
(VM) 213, (O) 859-7310, (H) 859-4855
AP/MTT: Laurie Dunn, Kennedy Space Center
(VM) 223, (O) 1-867-3193, (H) 678-9674
C: Dr. Edwin K. Enerson
(VM) 243, (H) 660-6116
COM/VT: Michael C. Gormain, United Tel.
(VM) 253, (O) 326-1465, (H) 678-5599
ED/CHMT: Dr. Kalpathy B. Sundaram, UCF
(VM) 263, (O) 823-5326, (H) 671-6843
LEO: Dr. William T. Silvast, CREOL
(VM) 293, (O) 658-6855, (Fax) 281-1557
PEIA: James R. Pipkin, Westinghouse
(VM) 273, (O) 281-2916
SP: Dr. Ikram E. Abdou, Martin Marietta Corp
(VM) 233, (O) 356-0322, (H) 671-0397
SRC: Dr. Michael Harris, UCF
(VM) 303, (O) 823-2548, (H) 366-1214
UFFC: Thomas E. Voor
(VM) 283, (O) 267-1146

WORKING GROUP CHAIRMEN
Consultants' Network: Jorge Medina, Sigtone
(VM) 323, (O) 628-4828, (H) 260-1676
Neural Network: Dr. M. Georgiopoulos, UCF
(VM) 313, (O) 823-5338, (H) 275-2665

STUDENT BRANCH CHAIRMAN
UCF: Terry Waidro, (VM) 93

IEEE ORLANDO INFORMATION CENTER

M. Ali Atashroo, Section Chairman

CHAIRMAN'S CORNER

James Beal, past chairman of the proposed
1993 IEEE Section Repeata
Schedule at the FCIEEE meeting held
on August 15, 1992 in Tampa. "Allowance
all Sections in existence on December 31 of
prior calendar year and meeting minimum
requirements shall receive $1,500 annual
allowance. Membership Repeata - $2.50 for
each member (higher grade, members and
students) and affiliate based on the prior
year's December 31 statistics. To be re-
ceived by March. Note that in the first year of
implementation, year 1993, no section shall
receive less than that obtained in 1992. It
was also indicated that [membership] dues
may be increased by $6." IEEE Orlando
Section's 1992 budgeted rebate is $5,276
which is higher than the proposed 1993
budget of $4,500 based on our 1,200 mem-
ers in the Section. Another change effective
in 1993 is the new requirement of holding
four (used to be two) chapter meetings per
calendar year to avoid chapter delinquency.

The incoming chapter committee chair-
man and student branch chairman are busy
preparing their 1992-1993 activity plans as
well as 1993 annual budgets to be approved
in the Orlando Section Executive Committee
(EXCOM) meeting scheduled for October 6,
1992. This is the time to contact your chapter
chairman or student branch chairman and
offer the activities that you want to lead or
contribute. You can find their names and
telephone/voice mailbox numbers inside the
Orlando Section Monthly newsletter.

Ed Ellis, Globecom '92 (Dec 6-9) Com-
mittee Secretary, has prepared a detailed list
of Globecom '92 volunteer requirements. I
encourage Section members and especially
students members to contact Ed Ellis at
(407) 834-3319 to find out about the time,
place, function, and the volunteer's benefits
for technical sessions as well as the social
functions.

Dr. Kalpathy Sundaram, Education
Committee Chairman, has contacted Orange
and Seminole counties school boards to
coordinate our section efforts on "Engineers
for Education." We welcome our first engi-
neer volunteer from Disney World and look-
ing forward to a large pool of member volun-
tees from other industrial and educational
organizations. Our goal is to coordinate our
first school visit no later than January 1993.

During the National Engineering Week
(NEW) February 14-20, 1993 we plan for an
all out effort for "Public Awareness of Engi-
neering Profession" through highlighting en-
gineers contributions to society. I would like
to challenge each chapter committee and
the student branch of the Section to prepare
and lead an activity promoting this cause
during NEW.

Finally, David King, Strategic Planning
Committee Chairman, has proposed a long-
term investment plan for the Section's initial
$20,000 capital fund. The goal is to gradually
build up a conservative capital fund whose
income supports our Section activities. Our
Section's revenue sources are primarily through conference sponsorship such as
Vehicular Technology conference, Seminar
series run by chapters such as Power Engi-
neering chapter's Power Generators, and
the annual IEEE Section rebates.

Hope you enjoyed your September 13,
1992 Family Fun Day splash arranged dili-
gently by Jackie Hines, Program Chair-
woman, and sponsored by the IEEE Orlando
Section.

SPEAKER POOL

Dr. Kalpathy Sundaram, Education
Committee Chairman, is coordinat-
ing engineer volunteers to organize a
speaker pool to address local public
schools on math, science and engineering.
Until now the response has been poor for this pool. Also, Seminole school authorities
expressed interest in having volunteer
tutors for high level math for their
students. IEEE members who are
interested to join for this volunteer
activity can contact Dr. Sundaram at
(407) 823-5326.
The Globecom’92 seminar program explores the theme of “Communications for Global Users” through tutorials, workshops, and more than fifty-five diverse technical sessions spanning topics from ATM to Personal Communications. As an additional bonus, Globecom’92 initiates a Mini-Conference, sponsored by the Communications Theory Committee, which focuses on the theoretical aspects of modern communications. As at previous conferences, Globecom’92 will showcase over 20,000 square feet of exhibits.

Featured speakers include former Apollo 13 Astronaut Fred Haise, now President of Grumman Technical Services; Gerd Tenzer, Chairman of the Supervisory Board of the Deutsche Fernkabel Gesellschaft and member of the Management Board of Deutsche Bundespost Telekom; and John Seazholtz, Vice President of Technology Information Services for Bell Atlantic.

Orlando, Florida. Home not only to Walt Disney World’s Magic Kingdom, EPCOT Center and the Disney-MGM studios but also to Sea World, Busch Gardens and Kennedy Space Center’s Spaceport USA are among dozens of other themed attractions in and around Orlando. Enjoy winter Florida-style with great golf and tennis, hot-air ballooning, horseback riding, sailing, or canoeing!
**ADVANCE REGISTRATION FORM**

**REGISTRATION FEES** (You must select one of items 1-9, and include membership number at left.)

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**OPTIONAL PROGRAMS** (In addition to items included in fees above)

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<td>E. Tutorial 2 - Information Networking Architecture Sunday Afternoon</td>
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<td>F. Tutorial 3 - Broadband Applications Monday Morning</td>
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<td>G. Tutorial 4 - ISO 9000 Quality Management Standards Monday Afternoon</td>
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<td>H. Tutorial 5 - Network Intrusion Detection Tuesday Morning</td>
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<td>I. Workshop 1 - Software Interoperability Tuesday Afternoon</td>
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<td>J. Workshop 2 - Powering Fiber in the Loop Wednesday Morning</td>
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<td>K. Workshop 3 - User Oriented Network Management Thursday Morning</td>
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<tr>
<td>L. Workshop 4 - 30/30 GHz Space/Satellite Technology Thursday All Day</td>
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<tr>
<td>M. Workshop 5 - Personal Communications Networking Thursday All Day</td>
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| N. Awards Luncheon (Monday, midday) Qty | 35 | 40 |
| O. Conference Banquet (Tuesday evening) Qty | 55 | 60 |
| P. Additional Conference Record Qty | 70 | 85 |
| Q. Shipping Conference Record (To listed street address - U.S. only) Qty | 20 | 20 |

**SOCIAL EVENT OPTIONS**

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<td>S. Medieval Times (Monday afternoon) Adult Qty</td>
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<td>U. Kennedy Space Center (Wednesday all day) Adult Qty</td>
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<tr>
<td>V. Kennedy Space Center (Wednesday all day) Child Qty</td>
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**TOTAL REMITTANCE** (Must be in U.S. Dollars)

***No Refunds for cancellation after November 3, 1992***

**Total:$**
Tutorial 1:  
Broadband Service Requirements: A User Perspective  
D. Wright  
*Sunday Afternoon*  
This tutorial is designed for engineers and telecommunications managers who need to assess the requirements of industrial and commercial broadband application from a user perspective. A brief review of Distributed Queue Dual Bus and Asynchronous Transfer Mode technologies will be followed by an examination of user oriented performance requirements for a broad range of business services including audio, data, facsimile, still image, full motion video, and multimedia.

Tutorial 2:  
Information Networking Architecture  
H. Rubin  
*Sunday Afternoon*  
This tutorial addresses the Bellcore Information Networking Architecture (INA) and will include discussion of INA Laboratory Experiment activities. The Impact of a Distributed Processing Environment on location transparency for application developers, system management, CPE and network based application, and the use of object oriented specification processes will be examined.

Tutorial 3:  
Broadband Applications: Strategic Benefits for Industry  
D. Wright  
*Monday Morning*  
This tutorial analyzes the strategic and operational impact of broadband telecommunications in specific industries. After a brief overview of broadband technologies, DQDB and ATM, the tutorial gives a business profile of selected industries. It then analyzes where broadband telecommunication can fit on business strategy. The tutorial emphasizes the strategic benefits in addition to the operational benefits of broadband.

Tutorial 4:  
ISO 9000 Quality Management Standards and Their Impact on Global Businesses  
B. S. Liebesman  
*Monday Afternoon*  
This tutorial will cover the basics of the ISO 9000 series standards and registration process. Issues that will be discussed include business implications of the registration process, a discussion of selected requirements in ISO 9001, information on registration bodies operating in the United States, typical effort required to get registered, and sources of information and reference material.

Tutorial 5:  
Network Intrusion Detection  
B. Mukherjee and K. Levitt  
*Tuesday Morning*  
This tutorial will discuss mechanisms for providing security against outside attackers to a computer system or network as well as insider threats. The tutorial will examine characteristics of intrusion detection systems which have been designed and also some which have been deployed. Methods based on statistical analysis and rule-based expert systems will be covered.

Workshop 1:  
Software Interoperability Across Suppliers and Releases  
P.A. Deering  
*Tuesday Afternoon*  
A critical success factor in allowing the operational support systems of the Regional Bell Operating Companies to adapt to evolving business strategies is the ability to deploy modular collections of "application pieces." This workshop will discuss the OSCA™ Architecture, developed by Bellcore. OSCA is a computing and data communications framework for interoperability that facilitates the Interconnection of software products irrespective of supplier and vintage, supports access of corporate data by any authorized application and/or user, and enforces the maintenance of that interconnection and access over changes in suppliers and vintages.

Workshop 2:  
Powering for Fiber in the Loop Systems  
H. Salloum  
*Wednesday Morning*  
The powering of terminal equipment for Fiber in the Loop (FITL) systems is one of the most important challenges facing FITL system designers today. This workshop will examine some of the FITL issues including reliability and economy, discuss battery technologies, and explore future powering methods.

Workshop 3:  
User Oriented Telecommunications Network Management  
J.M. Hunter and D.N. Zuckerman  
*Thursday Morning*  
This workshop addresses issues faced by telecommunications managers when they plan, install, and manage LANs and WANs. The first half of the workshop will focus on the planning of a new LAN/WAN configuration, including sizing and traffic estimation, configuration, layout, and future growth planning. The second half will address security management in a LAN/WAN environment.

Workshop 4:  
20/30 GHz Space and Satellite Technology  
D. Chakraborty and S. Verma  
*Thursday All Day (Lunch included)*  
This workshop will examine the critical issues for 20/30 GHz satellites which include traffic forecasts, frequency allocations, ground and satellite technologies, applications, and propagation. Experts from industrial, academic, and government research and development labs will discuss these latest technologies and their scientific and economic impact on the 20/30 GHz band.

Workshop 5:  
Networking of Personal Communications Applications  
M. Kramer  
*Thursday All Day (Lunch included)*  
Advances in intelligent networking capabilities, increased use of mobile communication networks, widening numbers of personal communications devices and new demands for personalized information services has sparked great interest in PCS. Developments in personal communications will be examined from the dual perspective of personal communication applications and the evolution of networks to support them. Expected topics include applications (and their support), network architectures, user devices/ interfaces and early experiments and user experiences.

**Technical Program Sessions**  
*All Day, Monday Through Wednesday*

Sessions are planned in:
- Broadband - modeling, control, dynamic phenomena, performance, applications
- Data Networking - protocols, dynamic network management, architectures
- Modulation and Coding - theory, equalization
- Multimedia - services, applications, networking, processing
- Network Operations - platforms, OS/network interfaces, distributed architectures
- Next Generation Networks - communications applications, signal processing
- Optical Systems - transmission, switching, interconnection
- PCS, Mobile Telephony - access, data, modulation, modeling, simulation
- Quality and Reliability - assurance, field testing, management, fault tolerance
- Satellite - technology, PCS, mobile telephony
- Services, Trials and Networking - ATM, ISDN, architectures, service creation
- Signal Processing - speech, image, DSP, VLSI, storage, synchronization
- User Needs - network management tools, LAN/MAN experiences
- Video/Imaging - coding, quality, processing

**Communication Theory Mini-Conference**  
*Monday Afternoon, All Day Tuesday, Wednesday Morning*

The first Communication Theory Mini-Conference (CTMC) will be held in parallel with GLOBECOM '92. The CTMC is co-sponsored by the Communication Theory committee and Commission - C of U.R. S.T., and will focus on the theoretical aspects of communications. Examples of topics to be included in the CTMC are:

- Mobile Communication Theory and Techniques
- Combined Channel Coding and Equalization
- Multi-User Communications

All CTMC registrants will receive the mini-conference record and admission to its sessions.

Join us in this exciting side-bar to a major COMSOC conference, and renew or enhance your foundations in modern communications.
BUENA VISTA PALACE

HOTEL RESERVATION REQUEST

We look forward to welcoming you to the BUENA VISTA PALACE. In order to guarantee your reservation, please enclose a one-night room deposit, including tax, or send us your DISCOVER, VISA, MASTERCARD, AMERICAN EXPRESS, CARTE BLANCHE or DINERS CLUB card number, expiration date, and your authorization for billing of deposit. Reservations received without a deposit will not be confirmed. To reserve guest room, reservations must be received 30 (11/4/92) days prior to the group’s arrival (rooms based on group room availability). The one-night room deposit due is $137.50.

ACCOMMODATIONS GROUP RATES* # ROOMS
Single/Double $125.00...
Crown Level $165.00...
Island Suites 1 B/R $185.00...
Island Suites 2 B/R $310.00...
Special Request $...

The above rates will be honored 3 days prior and 3 days following official group dates listed based on availability. Rate honored only if booked directly through hotel. Your deposit receipt will serve as your confirmation. Deposit refundable if cancelled at least 6 days prior to arrival. *Does not include tax.

Number of Adults Children
$15.00 charge (per night, plus tax) for additional adults (over two) in one room.

NAME(S) (ALL OCCUPANTS)

ADDRESS

CITY STATE or PROVINCE

COUNTRY ZIP or POSTAL CODE

ARRIVAL DATE # NIGHTS

TYPE OF CREDIT CARD NUMBER

EXPIRATION DATE SIGNATURE

SPECIAL REQUESTS

Check in time is after 3:00PM. Check Out time is 11:00AM. Special requests for suites, adjoining rooms, etc. will be honored whenever possible.

SEND / FAX / CALL TO:
BUENA VISTA PALACE
WALT DISNEY WORLD VILLAGE
LAKE BUENA VISTA, FL 32830-2206
(407)827-2727 PHONE (407)827-6034 FAX
TOLL FREE: 1-800-327-2990

Note: If you require additional assistance in locating appropriate hotel rooms please call Donna Sullivan, Globecom'92 at (407) 660-6881

SOCIAL EVENTS

INNOVATION IN ACTION:
BEHIND THE SCENES AT THE WALT DISNEY WORLD RESORT
Monday afternoon

This "workshop" explores backstage areas including: Tunnel/Utilidor, Wardrobe, Production Center, Walt Disney World Nursery, North Service Area and includes roundtrip bus transportation.

IMPORTANT: Due to program content, the workshop is restricted to those 16 years of age and over. Theme Park admission is not included in the price of the seminar.

EVENING AT MEDIEVAL TIMES
Monday evening

Return to 11th century Europe-The Medieval Times. While feasting on a four-course meal, cheer your own knight to victory. Competition consists of jousting matches, sword fights, medieval games on horseback and more. Tour includes transportation, admission, dinner and show, taxes and gratuity.

WINTER PARK SHOPPING TOUR
Tuesday all day

Winter Park is one of the older affluent areas where many of the homes reflect a distinctive style of Florida. Nestled within this area is Park Avenue which has an abundance of quaint shops and galleries. The tour includes roundtrip transportation, a visit to the Morse Gallery, which houses one of the world's largest collections of Tiffany, a scenic boat tour, tour escort and lunch.

KENNEDY SPACE CENTER
Wednesday all day

NASA's guided tour includes buildings where the Space Shuttles are readied for launch, a view of the 3-mile-long shuttle landing strip and launch pads, giant crawler transporters that carry each shuttle from the towering Vehicle Assembly Building (shuttle schedules allowing), the IMAX movie "The Dream is Alive" and more. Tour also includes roundtrip bus transportation (1 hour and 15 minutes each way) and tour escort.

TRANSPORTATION

Delta Air Lines

Delta Air Lines is offering GLOBECOM '92 attendees the following special discount fares for travel within the U.S. and Puerto Rico: A 5% off any published fare providing all rules and conditions of the airfare are met or a 45% off the unrestricted Coach (Y, YN, Y1) fare (if originating in Canada, 40% discount applies). Seven days advance reservations and ticketing is required. Travel dates are Dec. 3 through Dec 13, 1992.

For reservations call 1-800-241-6760 between the hours of 8am and 11pm EST daily. Be sure to reference file number H0559 for GLOBECOM '92 discount.

Airmeil Service

Airmeil Shuttle Service will provide transportation services between the airport and the Buena Vista Palace. The service pickup is directly outside baggage claims and Delta pickup. A nominal fare is required.

Rental Car

The two official car rental companies for GLOBEcO'92 are National Car Rental and Budget Rent A Car. Both are offering special discounted rates for various size vehicles, with unlimited mileage, from Nov. 29 through Dec. 16, 1992.

Budget Rent A Car

For reservations call 1-800-772-3773
Refer to GLOBECOM '92 Rate Code# VARWIEEG for conference discount.

National Car Rental

For reservations call 1-800-328-7949. In Canada call 1-800-CAR-RENT. Refer to GLOBECOM '92 RECAP# 6303770 for conference discount.

GLOBECOM '92

IEEE
445 Hoes Lane
Piscataway, NJ 08855-1331

Non-Profit Org. U.S. Postage
Piscataway, NJ
Permit No. 52
Improving the Processes of Software Maintenance — The Conference on Software Maintenance, CSM 92, will gather managers, developers, maintainers, and researchers to discuss new solutions to the continuing challenges of software maintenance and maintainability. The focus will be on the processes used to perform software maintenance as a means of understanding, defining, improving, managing, and supporting the practices of software maintenance. CSM 92 will provide the forum in which to discuss software maintenance — refereed papers, experience reports, panel sessions, tutorials, and informal meetings. CSM 92 will present the most important, up-to-date, practical, experimental, and theoretical work being conducted in support of software maintenance. If you are a practitioner or a researcher — from industry, government, or academia — who is involved with or has an interest in software maintenance, this conference is for you!

**Tutorials — Monday, November 9**

- **Software Reengineering**
  Robert Arnold — Software Evolution Technology

- **Unit Testing During Maintenance**
  Thomas Bogart — AT&T Bell Laboratories

**Keynote Addresses**

- **Tuesday, November 10**
  **Bill Curtis** — Director, Software Process Program
  Software Engineering Institute
  Pittsburgh, PA

- **Thursday, November 12**
  **Ted Keller** — Manager, Space Shuttle Software
  Project Coordination
  IBM, Houston, TX

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**General Sessions**

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<tr>
<td><strong>Tuesday November 10, 1992</strong></td>
<td><strong>Keynote address (plenary)</strong></td>
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<td>Welcome/opening remarks 8:30 — 9:00 a.m.</td>
<td>&quot;Maintaining the Software Process Movement&quot;</td>
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<td><strong>Bill Curtis, SEI</strong></td>
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<tr>
<td><strong>Wednesday November 11, 1992</strong></td>
<td><strong>Session 4A: Maintenance Process Track I</strong></td>
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<td>Shaun Riehner (Chair)</td>
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<td></td>
<td><strong>Session 4B: Reengineering &amp; Restructuring</strong></td>
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<td>Robert Arnold (Chair)</td>
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<td><strong>Thursday November 12, 1992</strong></td>
<td><strong>Keynote address (plenary)</strong></td>
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<td></td>
<td>&quot;The Importance of Process Improvement in Software Maintenance&quot;</td>
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<td></td>
<td><strong>Ted Keller, IBM</strong></td>
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THE ORLANDO SECTION MONTHLY

EVENTS CALENDAR

For the latest and/or additional information call the IEEE Orlando Voice Information Center 260-1676, ext. 6 and enter the Voice Mailbox No.

Oct. 1 IEEE PE/IA - Power Generators: Generator Protection - B. Nelson, (O) 381-6308
Oct. 6 IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Oct. 8 IEEE PE/IA - Power Generators: Generator Operation & Maintenance - B. Nelson, (O) 381-6308
Oct. 14 IEEE NN - Real-Time Neural Net Processing - Rapid Imaging, Inc., M. Georgioupolous, (VM) 313, (O) 823-5338
Oct. 15 IEEE PE/IA - Power Generators: Generator Dispatch & Commitment - B. Nelson, (O) 381-6308
Oct. 22 IEEE PE/IA - Power Generators: Generation Planning & Economics - B. Nelson, (O) 381-6308
Nov. 3 IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Nov. 5 IEEE PE/IA - Power Generators: Independent Power Producers - B. Nelson, (O) 381-6308
Nov. 8 IEEE C - 1992 IEEE Software Comprehensive Workshop - Mary Ann DeWald, (908) 562-3878
Nov. 9-12 IEEE C - 1992 IEEE Conference on Software Maintenance - Mary Ann DeWald, (908) 562-3878
Nov. 12 IEEE PE/IA - Power Generators: Emerging Technologies - B. Nelson, (O) 381-6308
Dec. 1 IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Dec. 9 IEEE AP/MTT - Progress and Change In Microwave Radio Communications - L. Dunn, (VM) 223, 1-867-3193
Mar. 1-5, '93 IEEE C - 9th IEEE Conf. on Artificial Intelligence for Applications - D. Waltz, (617) 234-2050

The Orlando Section Monthly - Advertisement Rates

The Orlando Section of the IEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key area industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ad and payment is the 1st Tuesday of the month preceding the month of publication.

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Please call the IEEE Orlando Voice Information Center to place your ads or mail your camera ready material and payment to:
IEEE Orlando Section, 385 Commerce Way, Suite 101, P.O. Box 521917, Longwood, FL 32750, (407) 260-1676, Fax: (407) 260-1636
## IEEE ORLANDO SECTION - PROPOSED BUDGET 1993

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### INCOME

1. 1st half '93 Section rebate for 1992 activities 2000.00 2638.08
2. 2nd half '93 Section rebate for 1992 activities 2000.00 0.00
3. Chapter Income (National Society Support):
   - AES 150.00 0.00
   - AP/MTT 850.00 442.16
   - CHMT/ED 220 400.00 50.00
   - COM/VT 150.00 54.54
   - COMP 1450 1060.00 1289.43
   - LEOs 100.00 0.00
   - PE/IA 1600 200.00 0.00
   - SP 70 300.00 262.00
   - SRC 760 500.00 556.93
   - UFFCS 400.00 668.54
   - Student Branch 1000.00 700.00
4. PACE 400.00 0.00
5. Banquet/Social Events Receipts 3000.00 1684.50
6. PE/IA Tutorial 3000.00 0.00
7. GLOBECOM '92 0.00
8. Advertisement 2000.00 0.00
9. Monthly Newsletter Rebate 0.00
10. INTEREST 2000.00 599.70

### TOTAL

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IEEE ORLANDO SECTION - TREASURER'S REPORT 6 OCT 1992

Checking account balance (1 Sep Treasurer's Rpt.) $10,942.72

DISBURSEMENTS
1009 1-Sep-92 Jeff Rollman - Officers Mtg $36.00
1010 1-Sep-92 Dave King - Banq. Photos, Supplies $21.11
1011 10-Sep-92 Postmaster $320.00
1012 10-Sep-92 Medina Software - Newsletter, Voicemail $686.16

Total Expenses $1,063.27

DEPOSITS:
4-Sep-92 PE/IA Seminar $850.00
4-Sep-92 MTT National $350.00
10-Sep-92 CD Transfer $20,161.61
19-Sep-92 PE/IA Seminar $925.00

Total deposits $22,286.61

SUMMARY:

Checking account balance (1 Sep Treasurer's Rpt.) $10,942.72

Less Disbursements $1,063.27
Add deposits $22,286.61

Total Liquid Assets $32,166.06

Checking account balance (6 Oct Treasurer's Rpt.) $32,166.06

Orange Bank Certificate of Deposit (10-Sep-92) $0.00
Dreyfus Fund Balance (2 April 1991) $0.66

TOTAL LIQUID ASSETS $32,166.72

Respectfully Submitted
Tuesday, 6 October 1992

[Signature]

Panneer Palani
IEEE Orlando Section Treasurer
Dear Fellow Members:

As we get closer to our first regular meeting for the 1992-93 year, I would like to welcome you all to our chapter, and give you a summary of the activities we have in the last few months.

In June, we have the last meeting of the 1991-92 year under the chairmanship of Dave King, and on the behalf of all SP members I would like to thank Dave for his leadership and his hard work that helped in building our chapter. In the June meeting, Dr. Jake Alsaka gave a talk on digital filtering, and we held the election for the new chapter officers. The new officers are:

Chairman: Dr. Ikram Abdou, Martin Marietta, Tel. 356-0322
Vice Chairman: Dr. Yacoub (Jake) Alsaka, UCF, Tel. 823-5768
Secretary: Mr. Peter Simko, Martin Marietta, Tel. 356-2280
Treasurer: Mr. Timothy Young, Martin Marietta, Tel. 356-8865

We are all looking forward to hearing from you. If you have any opinion, comments, or suggestions to help in improving our chapter, please contact any of the chapter officers.

On September 13, we have the IEEE Family Fun Day at Wet'n Wild, and I am sure all who came to this event, enjoyed the time they spent there.

As for our future plans, we will have two technical meetings through the end of 1992. On October 14 at 5:30 p.m., Dr. Larry Peele of Martin Marietta, will give a talk on "Introduction to Wavelet Transform", at UCF Engineering Building, Room 407. I am sure many of you want to know more about this exiting new topic, and we welcome you all to the meeting. Also, on November 12, Mr. Roberto Zuniga, of Martin Marietta will give a talk on "Speech Coding Using Contractive Techniques".

In 1993, we are planning to have a visit to the MRI Center of ORMC, and two talks on Synthetic Aperture Radar and MRI methods. We are still working on the distinguished national lecturer topic. Also, we may have two additional technical meetings, one of them will be a joint meeting with the recently formed neural network working group. If you would like to take part in any of these activities, please give us a call, we will be glad to hear from you.

Ikram Abdou
SP Chairman
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**TOTAL INCOME**                                                      | 18189.22           | 7407.28          | 41     |

<p>| EXPENSES                                                              |                    |                  |        |
|----------------------------------------------------------------------|                    |                  |        |
| 1. Publications /Mail                                                | 9500.00            | 6087.27          | 64     |
| 2. Officer Expenses:                                                 | 300.00             | 88.30            | 29     |
| Secretary                                                            | 60.00              | 21.11            | 35     |
| Chapter's Chairman                                                   | 60.00              | 0.00             | 0      |
| 3. Awards                                                            | 750.00             | 445.96           | 59     |
| 4. Programs                                                          | 5500.00            | 1733.50          | 32     |
| 5. PACE                                                               | 100.00             | 0.00             | 0      |
| 6. Membership development                                           | 50.00              | 0.00             | 0      |
| 7. Chapters:                                                         |                    |                  |        |
| AES                                                                   | 250.00             | 0.00             | 0      |
| AP/MTT *                                                             | 1000.00            | 442.16           | 44     |</p>
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<td>10. Globecom '92</td>
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<td>11. IEEE Student Branch</td>
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<td>12. HQ Charges for Services, Labels, etc.</td>
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<td>13. Video Library</td>
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**TOTAL EXPENSES**

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<th>Amount 3</th>
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**INCOME-EXPENSES**

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**ENDING BALANCE TOTAL (Begin Bal+Income+Exp)**

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<tbody>
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<td>29106.10</td>
<td>31697.38</td>
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</table>
IEEE

Weekly meetings Wednesdays at 3:00 in room ENG 436, refreshments will be provided. Everyone is welcome. Lectures will be given in the meetings.

Upcoming Events

- September 30 -- Dr. Georgiopoulos -- Neural Networks
- October 7 -- Glenn Portz, IEEE Sr. Section Chair of PACE
- October 14 -- general meeting (E-Lab & Hardware Design updates)
- October 21 -- Dr. Silfvast -- Soft X-Ray Lithography
- October 28 -- TOUR at CREOL: Dr. Boreman's Infrared Imaging Lab (details at meetings or call Dave at 384-7152)
- November 4 -- Dr. Harris -- Chaos
- November 11 -- School Holiday!
- November 18 -- general meeting (E-Lab & Hardware Design updates)
- November 25 -- no meeting
- December 2 -- general meeting (E-Lab & Hardware Design updates)
IEEE

Weekly meetings Wednesdays at 3:00 in room ENG 436, refreshments will be provided. Everyone is welcome. Lectures will be given in the meetings.

Upcoming Lectures:

- September 16 -- Dr. Batarseh -- Power Electronics
- September 23 -- Dr. Christodoulou -- Electromagnetics and also Honors in Engineering
<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 - SECTION CHAIRMAN</td>
<td>M. Asatruroo</td>
<td>356-6914</td>
<td>Fax: 356-1380</td>
<td>1512 Indian Dance Court</td>
</tr>
<tr>
<td>02 - SECTION VICE CHAIRMAN</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Winter Park</td>
</tr>
<tr>
<td>03 - TREASURER</td>
<td>J. H. Hines</td>
<td>356-2610</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>04 - SECTION SECRETARY</td>
<td>D. M. King</td>
<td>356-6828</td>
<td>Fax: 260-1636</td>
<td>Lake Mary</td>
</tr>
<tr>
<td>05 - SECTION JR. PAST CHAIRMAN</td>
<td>M. K. Medina</td>
<td>356-2548</td>
<td>Fax: 260-1636</td>
<td>Lake Mary</td>
</tr>
<tr>
<td>06 - CHAPITERS CHAIRMAN</td>
<td>M. A. Atashroo</td>
<td>356-6914</td>
<td>Fax: 356-1380</td>
<td>Winter Park</td>
</tr>
<tr>
<td>07 - AWARDS COMMITTEE CHAIR</td>
<td>J. H. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>08 - CHAPITERS CHAIRMAN</td>
<td>M. K. Medina</td>
<td>356-6828</td>
<td>Fax: 260-1636</td>
<td>Lake Mary</td>
</tr>
<tr>
<td>09 - CONFERENCE/EDITORIAL COMMITTEE</td>
<td>M. K. Medina</td>
<td>356-6914</td>
<td>Fax: 356-1380</td>
<td>1512 Indian Dance Court</td>
</tr>
<tr>
<td>10 - EDUCATION COMMITTEE</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Winter Park</td>
</tr>
<tr>
<td>11 - HISTORIAN COMMITTEE CHAIR</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
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<tr>
<td>12 - MEMBERSHIP COMMITTEE CHAIR</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>13 - PACE COMMITTEE</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>14 - PROGRAMS COMMITTEE</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>15 - PUBLICATIONS COMMITTEE</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>16 - STRATEGIC PLANNING COMMITTEE</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>17 - STUDENT ACTIVITIES COMMITTEE</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>18 - AES SOCIETY CHAIRMAN</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>19 - AP/MTT SOCIETIES CHAIR</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
<tr>
<td>20 - COMMITTEE CHAIR</td>
<td>J. T. Hines</td>
<td>356-6860</td>
<td>Fax: 823-5835</td>
<td>Florida</td>
</tr>
</tbody>
</table>
Mr. Carl Lohman,
Awards Committee Chairman
Florida Council IEEE
P.O. Box 5000
Altamonte Springs, FL 32716-5000

Dear Carl,

Attached please find the Orlando Section's nominations for 1992 Florida Council IEEE awards as follows:

**Outstanding Engineer:** Dr. G. Keith Huddleston

**Outstanding Engineering Educator:** Dr. Wasfy B. Mikhael

**Outstanding Service:** Mr. Robert F. Gray

On behalf of the Orlando Section the Awards Committee plans to submit these same nominations for the Region 3 awards. I am asking the nominees to upgrade their documentation if appropriate. If a vita update is necessary for the Region 3 awards, it should be sent to me by November 15, 1992, so that I can meet the Region 3 December 1, 1992 deadline.

If you need additional information, please call me.

Sincerely,

Jorge Medina
Awards Chairman
Orlando Section IEEE

cc: Dr. G. Keith Huddleston
Dr. Wasfy B. Mikhael
Mr. Robert F. Gray
Dr. Ali Atashroo,
Orlando Section Chairman
Glenn Portz  
2520 Chanute Trail  
Maitland, FL 32751  

September 14, 1992  

Parveen Wahid  
10527 Via Del Sol  
Orlando, FL 32817  

Dear Parveen,  

This is to submit a budget for the PACE committee for the calendar year of 1993. The activities are expected to include one meeting, correspondence with unemployed members, support of Engineers Week, and sending the PACE chairman to the national conference next year, and, naturally, other correspondence. Last year, the region picked up the cost of travel to the conference, which was about $500, but this year they only offered to defray half of that cost, which I assume will be the case next year. I am increasing the cost to $600 to cover contingencies and inflation.

**PACE Budget for 1993**

<table>
<thead>
<tr>
<th>Item</th>
<th>Expense</th>
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<tbody>
<tr>
<td>Meeting Room</td>
<td>$30</td>
</tr>
<tr>
<td>Correspondence</td>
<td>70</td>
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<tr>
<td>Travel to Pace Conference(1/2*600)</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>$400</td>
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</table>

**Source of Funds**

Orlando Section

Income

$400

Note that I have not shown the other half of the conference cost, since this came directly to the Pace chairman previously, and did not pass through the section funds.

Sincerely,

Glenn Portz  
Pace Chairman  
Orlando Section, IEEE
IEEE Student Chapter Budget For Year 1993

Income

T-Shirt Sales $400
Student Government 500
Student Branch Rebate 187
Interest 0
Miscellaneous Sales 50

Total Income $1,137

Expenses

Hardware Design - Parts $1,039
Travel Expenses (Region 3 Conference/Contest) 915
Food and Drink (11 General Meetings) 440
T-Shirts 200
E-Lab (10 Experiments) 200
Engineering Fair Project 150
Student of the Year Dinner 100
Miscellaneous 50

Total Expenses $3,094

Net Surplus (Deficit) ($1,957)
## Hardware Design Parts

<table>
<thead>
<tr>
<th>Item</th>
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<tbody>
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<td>Drive Motor</td>
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<td>Analog Circuitry</td>
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<td>Wheels</td>
<td>104</td>
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<tr>
<td>6811 Micro-Computer</td>
<td>180</td>
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<tr>
<td>Test Track</td>
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<tr>
<td>Gears</td>
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<tr>
<td>Steering Motor</td>
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<tr>
<td>Computer Memory</td>
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<td>Steering Linkage</td>
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<tr>
<td>Miscellaneous</td>
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**Total** $1,039

## Travel Expenses

**Region 3 Conference**

<table>
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<tr>
<th>Item</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Lodging (2 Rooms, $100/night, 3 nights)</td>
<td>$600</td>
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<tr>
<td>Van Rental</td>
<td>200</td>
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<tr>
<td>Fuel</td>
<td>65</td>
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<tr>
<td>Miscellaneous</td>
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**Total** $915
IEEE Orlando Section

Neural Network Working Group

Meeting Announcement

TITLE: Real-Time Neural Net Processing

SPEAKER: Mr. Ron Sartain

DATE: Thursday, October 15, 1992

TIME: 6:00 p.m.

LOCATION: Rapid Imaging Inc., 5955 T. G. Lee Blvd., Suite 150, Orlando, FL 32822

CONTACT: Dr. M. Georgiopoulos (823-5338) or Mr. Ron Sartain (356-4432)

ABSTRACT

Neural Network processing chips will be discussed with examples of INTEL’s ETANN, Neurologic’s Slice, and Alacron’s i860 card. Furthermore, a variety of neural network applications will be mentioned, including edge tracking for a laser welder, spectral analysis, and image data compression.
We have already agreed to have four collaborative meetings with the other chapters. Two with the SRC chapter, one with the SP chapter, and one with the COM/VT chapter. We are in the process of arranging collaborative meetings with the LEO and PE/IA chapter. The cost of each meeting will be approximately $150.00 (breakdown: $ 80.00 for mailing, $ 20.00 for photocopies, $ 50.00 for food and drinks).
September 24, 1992

Laurie Dunn
10612 Abingdon Chase
Orlando, FL 32817

Dave King
IEEE Orlando Section Secretary
513 Dunblane Dr.
Winter Park, FL 32792

Dave,

Enclosed please find the meeting report resulting from the September 1992 meeting of AP/MTT. I've enclosed a copy of the sign-in sheet, also. Let me know if I'm supposed to send anything else to you. Otherwise, I will forward just the report and copy of sign-in sheet to you following each AP/MTT meeting.

Sincerely,

Laurie Dunn
Orlando AP/MTT Chapter Chairman
IEEE Orlando Section

Neural Network Working Group

Meeting Announcement

30 people attended; approximately 15 were IEEE members.

TITLE: Real-Time Neural Net Processing

SPEAKER: Mr. Ron Sartain

DATE: Thursday, October 15, 1992

TIME: 6:00 p.m.

LOCATION: Rapid Imaging Inc., 5955 T. G. Lee Blvd., Suite 150, Orlando, FL 32822

CONTACT: Dr. M. Georgiopoulos (823-5338) or Mr. Ron Sartain (356-4432)

ABSTRACT

Neural Network processing chips will be discussed with examples of INTEL's ETANN, Neurologic's Slice, and Alacron's i860 card. Furthermore, a variety of neural network applications will be mentioned, including edge tracking for a laser welder, spectral analysis, and image data compression.

The NN Working Group is sponsored by CALIFORNIA SCIENTIFIC (Brainmaker), AMERICAN NEURALOGIC (Slice) and RAPID IMAGING (Neural Processors).
Meeting Announcements

Unless otherwise stated, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

ANTENNAS AND PROPAGATION/ MICROWAVE THEORY & TECHNIQUES (AP/MTT)

Progress and Change in Microwave Radio Communications

Speaker: Dr. Ferdo Ivanek, Distinguished Microwave Lecturer
Date: Wednesday, December 9th
Time: Refreshments at 5:30 PM
Meeting at 6:00 PM
Location: Hewlett-Packard
Contact: L. Dunn at 1-407-867-3193

COMMUNICATIONS/ VEHICULAR TECHNOLOGY (COM/VT)

Kick Off Meeting for 1992-1993

Date: Wednesday, November 4th
Time: Refreshments at 6:30 PM
Location: Galloway Building, United Tel. Co. of FL 815 E. SR 436, Alt. Springs

Telecommunication Trends: Services and Technology

Speaker: Derek H. Brennan, Vice President-Network Plan. & Eng, United Tel. Co.
Date: Wednesday, November 18th
Time: Refreshments at 6:30 PM
Meeting at 7:00 PM
Location: UCF Engineering Building
Contact: M. Germain at 678-5599 or Dr. M. Belkard at 823-5793.

CONSULTANTS’ NETWORK (CN)

Entrepreneurial Options

Speaker: Mr. Philbrook Sargent
Date: Tuesday, November 10th
Time: Meeting at 8:00 PM
Location: Orlando Public Library, 3rd. Floor
Contact: Call Jorge Medina at 260-1676 for reservations.

LASER AND ELECTRO-OPTICS (LEO)

Ultra Spectroscopy from meV to MeV

Speaker: Dr. Wayne Knox, Technical Staff in the AdvancedPhotonics Research Dept. AT&T Bell Lab.
Program: Optical techniques for time-resolved studies were originally developed in the visible spectral range. Rapid progress in the field has pushed the range of femtosecond optical pulses into the UV, VUV, X-rays at 1 MeV. On the other side, near-infrared, mid-infrared and now far-infrared radio is available with subpicosecond time resolution. We will discuss this rapid progress, highlight a number of applications of nonlinear spectroscopy in this wide range, and point out some possible future directions.

Date: Thursday, November 5th
Time: Social hour: 5:30 pm
Tech. presentation: 6:30 pm
Location: President's Board Room - Administration Bldg., UCF
Contact: E. Van Stryland at 558-6814.

POWER ENGINEERING/ INDUSTRY APPLICATIONS (PE/IA)

Seminar Series: POWER GENERATORS

Date: Thursday Evenings, Sep. 17th - Nov. 12th
Time: 6:30 PM - 8:30 PM
Location: Westinghouse Quadrangle, 4400 Alafaya Trail, Orlando
Fee: $75 IEEE members
$95 non-members
Contact: Bob Nelson (381-6308), Tim Turba (423-9100), Luis Ramos (240-9038) or Mehrdad Mohseni (422-4911)

SIGNAL PROCESSING (SP)

Speech Coding Using Contractive Techniques

Speaker: Mr. Roberto Zúñiga
Date: Thursday, November 12th
Time: 5:30 PM, Refreshments will be served
Location: UCF, Eng. Bldg., Room 407
Contact: Dr. Ikram Abdou at 356-0322

ULTRASONICS, FERROELECTRICS AND FREQUENCY CONTROL (UFFC)

Ionizing Space Radiation Effects on Surface Acoustic Wave Resonators

Speaker: Jackie Hines
Date: Tuesday, November 10th
Time: Refreshments at 6:00 PM
Meeting at 6:30 PM
Location: UCF, Eng. Bldg., Room 288
Contact: Call Michael Garrity or Tom Voor at 886-8860.
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

EXECUTIVE BOARD
Chairman: Dr. M. Ali Atashroo, Martin Marietta
(VM) 901, (O) 356-6914, (H) 539-0455
Vice Chairman: Jacqueline Hines, Sawtek Inc.
(VM) 902, (O) 366-8860, (H) 629-1604
Treasurer: Dr. Parveen Wahid, UCF
(VM) 904, (O) 823-2610, (H) 677-0571
Secretary: Dave King, Martin Marietta Corp.
(VM) 903, (O) 275-2318, (H) 699-4890

Jr. Past Chairman: Jorge Medina, Signtone, Inc.
(O) 628-4828, (H) 260-1676

Sr. Past Chairman: Dr. Madjid Belkerdij, UCF
(O) 823-5793, (H) 699-4890

COMMITTEE CHAIRMEN
Awards: Jorge Medina, Signtone, Inc.
(VM) 905, (O) 628-4828, (H) 260-1676

Chapters: Jeff Rollman, Martin Marietta Corp.
(VM) 906, (O) 356-6310, (H) 671-2568
Conf./Ed.: Ed Ellis, VM 907, (O) 354-3319

Education: Dr. Kalpathy B. Sundaram, UCF
(VM) 909, (O) 823-5326, (H) 671-6843

Historian: Russell E. Theisen, Martin Marietta
(VM) 910, (O) 356-4320, (H) 671-4139

Membership: Bob Smallwood, Hewlett-Packard
(VM) 911, (O) 826-9217, (H) 365-9724

PACE: Glenn Portz, VM 912, (O) 644-2408

Programs: Jacqueline Hines, Sawtek Inc.
(VM) 913, (O) 866-8850, (H) 629-1604

Publications: Jorge Medina, Signtone, Inc.
(VM) 914, (O) 628-4828, (Fax) 628-5820

Strategic Plan: Dave King, Martin Marietta
(VM) 915, (O) 275-2318, (H) 699-4890

SOCIETY CHAPTER CHAIRMEN
AES: Dr. David Finlaybaugh
(VM) 213, (O) 859-7310, (H) 859-4855

AP/MTT: Laurie Dunn, Kennedy Space Center
(VM) 223, (O) 1-407-867-3193, (H) 678-9674

C: Dr. Edwin K. Evenson
(VM) 243, (O) 660-6116

COM/VT: Michael C. Germain, United Tel.
(VM) 253, (O) 904-326-1483, (H) 678-5599

ED/CHMT: Dr. Kalpathy B. Sundaram, UCF
(VM) 263, (O) 823-5326, (H) 671-6843

LEO: Eric W. Van Straalen, UCF
(VM) 293, (O) 658-6814

PE/IA: James R. Pipkin, Westhouse
(VM) 273, (O) 281-2916

SP: Dr. Ikram E. Abdou, Martin Marietta Corp
(VM) 233, (O) 356-0322, (H) 671-0397

SRC: Dr. Harley Myler, UCF
(VM) 303, (O) 823-5098, (H) 657-4680

UFFC: Thomas E. Voor
(VM) 283, (H) 267-1146

WORKING GROUP CHAIRMEN
Consultants’ Network: Jorge Medina, Signtone
(VM) 323, (O) 628-4828, (H) 260-1676

Neural Network: Dr. M. Georgiopoulous, UCF
(VM) 313, (O) 823-5338, (H) 275-2655

UF Student Branch
Advisor: Dr. Mario Znaiera, UCF, (VM) 916

Chairman: Debra Kemnitz, UCF
(VM) 83, (O) 658-4595

SREC: Scott Harrell, (VM) 93

IEEE ORLANDO INFORMATION CENTER
Voice Mail: (407) 260-1676, Fax: 260-1636

CHAIRMAN’S CORNER
M. Ali Atashroo, Section Chairman

I would like to thank your chapters, committees, and student branch chair, for the excellent 1992-93 technical, professional, and social events that have planned for you. You will enjoy and benefit from these planned events. Look up your favorite comments in the "Events Calendar" updated monthly in this Section monthly newsletter, or call up our IEEE Orlando Voice Information Center 260-1676, ext. 6 and enter the Voice Mailbox (VM) number for the latest information.

Parveen Wahid is finalizing the IEEE Orlando Section's 1993 budget incorporating the 1993 budgets submitted by the chapters, committees, and student branch chairs. We will review and approve the section budget in our November 3, 1992 executive committee meeting. Many thanks to Parveen for her support of student branch activities and budgeting.

Jackie Hines, program chair, reports the record show of 188 members and their families in October who enjoyed our IEEE Orlando Section's second Family Fun Day social event at Weir's Wild. Those of you who missed this year's social event, there will be a third one in October 1993. Jackie is now arranging our Awards Banquet to be held in February of 1993. We welcome any suggestions on place and theme.

Jorge Medina, Chairs, has started his "Search for Stars." Traditionally, we recognize those members in the community who stand out in engineering profession, engineering education both as educator and as senior or graduate student, and IEEE service. Also, each society chapter recognizes the engineer of the year for that chapter. This year, I have asked the Awards Chairmen to initiate an Entrepreneurship award recognizing an outstanding entrepreneur in the community. You play a key role in this process. Nominate the individuals in your work- place whom you believe are outstanding.

Jorge Medina is also spearheading the Consultants’ Network working group. He holds the group meeting on second Tuesday of each month. He is finishing a publication of the IEEE Orlando Section membership directory which will be available to members only for a nominal reproduction cost. This directory serves as enhancement of networking among local members. Also, Edwin Evenson, Harley Myler, and Jorge Medina have initiated collaboration to enhance the Section Information Center with E-mail service to further our networking capability.

Bob Smallwood, Membership chair, has established the IEEE Orlando Section membership database, with a PC at Hewlett-Packard. For membership information, you can contact him at 826-9217. Bob would also appreciate volunteers to help him man the IEEE membership booth at GlobeCom '92 held on Dec. 6-9, 1992 at Buena Vista Palace in Walt Disney World Village.

Ed Ellis, GlobeCom '92 Committee Secretary, has prepared a detailed list of GlobeCom '92 volunteer requirements. I encourage Section members and especially student members to contact Ed Ellis at 407-334-3319 to find out about the time, place, and function. Volunteer's benefits are a meal ticket and one day free admission pre or post the volunteering day.

During the National Engineering Week (NEW) February 14-20, 1993 we plan for an all out effort for "Public Awareness of Engineering Profession" through highlighting engineers' contributions to society. I would like to challenge each chapter, committee and the student branch of the Section to prepare and load an activity promoting this cause during NEW. We plan for NEW in our November 3, 1992 executive committee meeting.

Finally, David King, Strategic Planning Committee Chairman, has proposed a long-term investment plan for the Section's initial $20,000 capital fund. David has selected a short-term government security no-load fund for our capital investment.

★ STAR SEARCH ★

Jorge Medina, Awards Chairman

ORLANDO SECTION AWARDS CANDIDATE SEARCH FORM

1. PURPOSE
To encourage and facilitate the identification of potential candidates for Orlando Section Awards by providing a simple avenue for preliminary consideration by the Awards Committee.

2. PROCEDURE
TheSubmit fills out the form as indicated and suggests nominators and endorsers to support the nomination. After a review process, some candidates will be selected for nomination. If the Committee is willing to prepare the nominations forms, the Awards Committee will provide the necessary materials by return mail. If not, the committee will attempt to locate a suitable Nominee. (The members of the Awards Committee are not permitted to nominate or endorse any candidate).

3. QUALIFICATIONS
The OUTSTANDING ENGINEER AWARD is designed to recognize a member of the Section who, through his technical and professional abilities, has made an outstanding contribution to the electro-technology profession. The OUTSTANDING ENGINEERING EDUCATOR AWARD is designed to recognize a member of the Section who has shared his technical and professional abilities through teaching (in industry, government or in an institution of higher learning) and in so doing has made an outstanding contribution to the electro-technology profession. The OUTSTANDING SERVICE AWARD is designed to recognize a member of the Section who, through his service to the Region and to the Institute, has made an outstanding contribution to the electro-technology profession.

4. ELIGIBILITY
• Only IEEE members with 3 years residency in the Orlando Section are eligible.
• A nominee cannot be considered for more than one award simultaneously.
• Current members of the Section Executive Board are not eligible.
• Previous award recipients, even from other Sections, are not eligible for the same award.
• The candidate need not be a member of a Group or Society.
THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC.

ORLANDO SECTION AWARD CANDIDATE SEARCH FORM

1. AWARD: ______ Outstanding Engineer Award
               ______ Outstanding Engineering Educator Award
               ______ Outstanding Service Award
               ______ Outstanding Entrepreneur Award

2. NOMINEE:

   Professional Affiliation and Title: __________________________

   Current Address: __________________________________________

   Work Phone: (   ) ______________________ Home Phone: (   ) ______________________

3. PROPOSED CITATION (30 words or less) FOR:

   __________________________________________________________

4. IEEE SOCIETY/BOARD RELEVANT TO ACHIEVEMENT CITED:

5. SUBMITTED BY:

   IEEE Position and Grade: __________________________

   Current Address: __________________________________________

   Work Phone: (   ) ______________________ Home Phone: (   ) ______________________

6. ARE YOU WILLING TO PREPARE THE NOMINATION FORMS YOURSELF? YES _____ NO _____

7. POTENTIAL ENDORSERS (two required who are familiar with nominee, who can attest to his/her contributions and to the importance thereof)

<table>
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<th>B. Name</th>
<th>C. Name</th>
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</tbody>
</table>

8. BRIEF EVIDENCE TO SUPPORT NOMINATION/YEAR ACHIEVEMENT/IMPORTANCE:

   __________________________________________________________

9. SUGGESTED NOMINATOR(S) IF DIFFERENT FROM #5:

   __________________________________________________________

Submittal of this form does not replace the necessity of a completed nomination form. See page #2 for candidate qualifications.
IFIP WG 10.3
(Concurrent Systems)

Working Conference on
Architectures and Com-
ilation Techniques for
Fine and Medium Grain
Parallelism

Hotel Royal Plaza,
Orlando, Florida
January 20-22, 1993

Please send electronic mail to
ifip@usc.edu, to obtain a copy of
the conference program and reg-
istration form. For further in-
formation, please contact Profes-
sor Paraskevas Evripidou, Local
Arrangements Chairman, at
(214) 692-3673.

EVENTS CALENDAR
For the latest and/or additional information call the IEEE Orlando Voice Information Center
260-1676, ext. 6 and enter the Voice Mailbox No.

Nov. 3
IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, 
(O) 356-6914, (H) 539-0485

Nov. 4
Germain, (VM) 253, (O) 1-904-326-1483(H) 679-5599

Nov. 5
IEEE LEO - Ultra Spectroscopy from meV to MeV - E. Van Stryleand 
(VM) 293, (O) 658-6814

Nov. 5
IEEE PE/IA - Power Generators: Independent Power Producers - B. 
Nelson, (O) 381-6308

Nov. 8
IEEE C - 1992 IEEE Software Comprehensive Workshop - Mary Ann 
Dewald, (908) 562-3878

Nov. 9-12
IEEE C - 1992 IEEE Conference on Software Maintenance - Mary Ann 
Dewald, (908) 562-3878

Nov. 10
IEEE Consultants' Network - Entrepreneurial Options - Medina Software, 
J. Medina (VM) 323, (O) 260-1676

Nov. 10
IEEE UFFC - Ionizing Space Radiation Effects on Surface Acoustic 
Wave Resonators - T. Voor (O) 886-8860

Nov. 12
IEEE PE/IA - Power Generators: Emerging Technologies - B. Nelson, 
(O) 381-6308

Nov. 12
IEEE SP - Speech Coding Using Contractive Techniques - UCF, Dr. I. 
Abdou (VM) 233, (O) 356-0322

Dec. 1
IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, 
(O) 356-6914, (H) 539-0485

Dec. 6-9
IEEE COM - GLOBECOM '92 - 1992 IEEE Global Telecommunications 
Conference - D. Sullivan, 660-6861

Dec. 8
323, (O) 260-1676

The Orlando Section Monthly - Advertisement Rates
The Orlando Section of the IEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key area industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ad and payment is the 1st Tuesday of the month preceding the month of publication.

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Please call the IEEE Orlando Voice Information Center to place your ad or mail your camera ready material and payment to:
IEEE Orlando Section, 365 Commerce Way, Suite 101, P.O. Box 521917, Longwood, FL 32750, (407) 260-1676, Fax: (407) 260-1636
Date: October 6, 1992

Location: Hewlett-Packard, 6177 Lake Ellenor Drive, Orlando, Florida 32809

Attendants: Ali Atashroo
Jackie Hines
Parveen Wahid (proxy Majid Belkerdid)
Dave King
Kalpathy Sundaram
Harley Mylar
Eric VanStryland
Jim Pipkin
Jorge Medina
Dr. David E. Flichbaugh
Michael Georgiopoulos
David Brooke
Ed Evenson
Michael Germain
Jeff Rollman
Thomas Voor
Frank Tabor
Debra Ann Kemnitz
Laurie Dunn
Glenn Portz
Ed Ellis
Bob Smallwood
Ikram Abdou

1. Call to Order

The meeting was called to order at 6:04 P.M.

2. Chairman's Remarks - Ali Atashroo

Ali asked if everyone had received their new officers package. Not everyone had yet received it. Ali indicated a desire to keep the meeting to its scheduled time limit this week as the executive committee meeting has been running over the past few weeks.

3) Quorum/Agenda

The session had a quorum.

4) Chapter Reports

AES - David Flinchbaugh
AES is in the process of planning meetings. There will be a meeting next Thursday with the Florida Association of Environmental Professionals at Morrisons on Colonial near Bumby. There is a plan to share a meeting with the neural net working group. Ali has requested to have a budget and meeting plan for all societies.

AP/MTT - Laurie Dunn

A budget was submitted. The meeting was held in September with Dr. Mortazawi. The meeting was very successful.

COM/VT - Ed Evenson

No schedule of meetings has been generated as of yet. The plan is to proceed with last years budget.

COM/VT - Michael Germain

There will be a meeting on November 18 on International telecommunications. The meeting will take place at 6:30 with refreshments.

ED/CHMT - Kalpathy Sundaram

Kalpathy is working on having a national speaker. He will send a letter to the membership asking for volunteers to help run the society.

LEOS - Eric VanStrayland

A meeting has been set up for November 5 with Wayne Knox. The topic will be Ultra Fast Spectroscopy. Another meeting is being set up for January 14 with Greg Olsen.

Neural Network WG - Dr. M. Georgiopoulos

An October meeting has been set up with Ron Sartain of Rapid Imaging. A budget was submitted. Future plans include joint meetings with SRC(2), COM/VT, and SP. Discussions are to be held with LEOS regarding future joint meetings.

A general discussion took place regarding the use of E-mail versus voice mail. Jorge Medina is planning to give another demonstration of the voice mail system. Harley Mylar discussed his list server. The list server is a system that handles E-mail and distributes the E-mail to various lists of users.

PE/IA - Jim Pipkin

The PE/IA is in its fourth week of a tutorial on power generators. Two checks have been sent in to the IEEE section thus far and the anticipated total revenue from the
tutorial is expected to be approximately $3200.00. The tutorials will take PE/IA into November and there is no December meeting planned. The future activity will include one or two tours of the OUC station in Titusville. A budget has been submitted.

SP - Ikram Abdou

A budget has been submitted and several activities were planned including a tour of the ORMC MRI center.

SRC - Dr. Harley Mylar

Harley Mylar took over for Michael Harris. A budget has been submitted. An active student section is planning to build robots for contest entries. A list of parts has been submitted. Out of a total of $700.00 required for parts the EE department is putting in $300.00. A request to the section for $400.00 for the remainder is forthcoming. Harley is working on getting a distinguished national lecturer.

UFFC - Tom Voor

A meeting is planned for November 10. Jackie Hines will speak on Ionizing Space Radiation Effects On SAW Resonators.

STUDENT - Debra Kemnitz

Debra expressed thanks for the support of Dr. Wahid for the student chapter. Glen Portz was speaking this week on PACE activities. Dr. Sznajer is the new student advisor. Robot meetings are ongoing. Six lectures are planned and three have been held already. A tour of CREOL was held. the student chapter is developing plans for a 'mind gameboard'. Three hardware design meetings will be held for a prototype car design for a science fair held next April 9-12. A budget was submitted.

CONSULTANTS WORKING GROUP - Jorge Medina

The first meeting was held. Of 20 calls, six people showed up. David Blase will help support the group activities. Ed Tuttle is going to speak on Intellectual Property Rights. The meetings are scheduled for every second Tuesday of the month. Other consulting working groups have given help and have offered to hold joint meetings. L.A, Boston, Washington, Philadelphia and New York are interested. Twelve consultants have registered and some are out of state. A directory may be needed. A budget was submitted. The group is looking into using voice mail to retrieve resumes. Plans are to not limit membership to EE's. This approach has been very successful by the Boston group. Boston has been very supportive.
5. Treasurers' Report - Wahid Parveen

The treasurers report was reviewed and approved. The approval of the budget was deferred until next time to allow for some corrections. Jackie Hines will retrieve the $0.66 from the Dreyfus account.

6. Minutes of Previous Meeting - David King

The minutes were reviewed and approved.

7. Vice Chairman's Report - Jackie Hines

Jackie checked on the status of the IEEE standards at the Orlando Public Library. They say the list of standards is too long for them to inventory. They wish for us to send them a list of what we will provide.

180 out of 191 people attended Wet n' Wild family day. Of a total $3750.00 cost, $1730.00 was paid from ticket sales and $2020.00 will be covered from IEEE subsidy. Jackie will begin looking for an awards banquet location.

8. Chapter's Chairman - Jeff Rollman

Jeff is making contact with as many of the chapter chairmen as possible.

9. Voice Mail - Jorge Medina

Jorge talked about using voice mail. A membership directory has been compiled. Currently 1309 members for the Orlando section. All of the societies will receive updated listings of their membership quarterly.

10. Membership Development - Bob Smallwood

Forms are available from Bob.

11. Awards - Jorge Medina

Nominations are being solicited for outstanding engineer, outstanding educator and outstanding entrepreneur. Each section should be thinking about nominating an outstanding engineer from their section this year.

12. Programs - Jackie Hines

No report this month.

13. Conference - Ed Ellis

PE will be having a conference in a couple of years. See
14. Globecom - Ed Ellis

Time is getting close for Globecom. Volunteers are needed. Please respond as soon as possible. Chapter chairmen should make a point of mentioning this need to their memberships at the chapter meetings. There are direct and indirect benefits to volunteering. A direct benefit is admission to the session and the convention hall. An indirect benefit is the strengthening of our local section. With the proceeds from this conference we will be building a base to secure the future operations of the section and insure an active and purposeful society.

15. Publications - Jorge Medina

A full page ad from the Communications society helped pay for the newsletter this month. Another late ad was received from International Laser. A discount is offered to IEEE members for the registration for Globecom from $170.00 to $150.00. Next month there will be another full page ad to defray about 1/2 the cost of the newsletter. A California newsletter provides a Professional Assistance Network. We discussed the idea of allowing IEEE members who are out of work a free card size advertisement in the newsletter. The idea was positively received. Jorge mentioned that he would like to purchase an uninterruptable power supply (UPS) for the voice mail system.

16. PACE - Glen Portz

Glen is talking to the student section this week. The national PACE will match section money toward the consultants working group up to $500.00.

17. Education - Sundaram Kalpathy

A couple of requests for video were received this month.

The following is being repeated from last months notes to emphasize the need for people who are interested in these issues to come forward. Interested parties should contact Sundaram. Chapter chairmen should announce this initiative in the section meetings. Please encourage this; there are a lot of people waiting for a little encouragement to get involved.

Seminole and Orange schools have been contacted to open dialogue about IEEE volunteers offering education to students. A list of names and topics will be forthcoming. The IEEE Orlando section needs volunteers who are willing to speak to students. Contacts include the following;
Seminole: Lynn Baggett
834-8211 Jane Lane

Orange: Jim Nelson (science)
849-3339 Dr. Burns (math)

Is anyone interested in tutoring math? The question will be asked through the newsletter. The manager of technology review at Disney is interested in educating the public about energy and transportation.

18. Old Business/New Business

The strategic planning committee is planning to proceed with the investment in Vanguard short term U.S. Treasury Portfolio.

Harley Mylar has agreed to serve on the Strategic Planning Committee to make up for the loss of Bob Canright who moved to Dallas this year.

19. Adjourn

The meeting was adjourned at 9:45 pm.
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<td>823-2610</td>
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<td>366-7952</td>
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<td>Harley Myler</td>
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<td>K.B. Sanderam</td>
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<td>David E. Flinchbaugh</td>
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<td>859-7310</td>
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<td>Geoffrey Dick</td>
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<td>Ilham Abood</td>
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<td>Jorge Medina</td>
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<td>Ali Atashkoo</td>
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1. Call to Order

The meeting was called to order at 6:14 P.M.

2. Chairman's Remarks - Ali Atashroo

Ali briefly discussed engineers week in February. He asked the chapters to make mention of the event at their meetings and to solicit ideas from the membership for activities that the section might partake in. Since we have not had time to discuss it in the past few meetings, Ali moved the Strategic Planning Committee report to first on the agenda this month.

3) Strategic Planning Committee

The Strategic Planning Committee held a meeting on October 8. The minutes of the meeting were reviewed by the executive committee. Some specific ideas were discussed such as a multi media project for interesting and educating people about engineering. The idea of providing a scholarship fund was raised. The executive committee would prefer to offer a prize of some kind instead. An essay contest was suggested along with a design project contest in either software or hardware. It was suggested that the Strategic Planning Committee come up with at least one concrete suggestion and a plan for implementing that suggestion. The SPC accepted the challenge to finalize a concept with detail for the next meeting.
3) Quorum/Agenda

The session had a quorum.

4) Chapter Reports

AES - David Plinchbaugh

AES is planning to have a Dr. Robert Ashley from the University of Colorado to speak on IEEE standards for radiation exposure to humans. They are also planning to get an aerospace person from the space coast to come and speak. No dates have been firmed up yet.

AP/MTT - Laurie Dunn

A joint meeting with COM/VT is planned for December 9. This meeting will feature a speaker on the topic of microwave communications.

COMPUTER - Ed Evenson

No report.

COM/VT - Michael Germain

No report.

ED/CHMT - Kalpathy Sundaram

Nothing to report this month.

LEOS - Eric VanStryland

No report.

Neural Network WG - Dr. M. Georgiopoulos

No report.

PE/IA - Jim Pipkin

No report.

SP - Ikram Abdou

A meeting report was submitted for the previous meeting of October 14.

SRC - Dr. Harley Myler

The SRC is planning a meeting in December with a videotaped tutorial. There will be a distinguished lecturer coming in February. Dr. Myler discussed the list server for the e-
mail utility at UCF. To get on the list e-mail to IEEE-OSL- request@engr.ucf.edu; on the subject line put subject:listserv. If all else fails e-mail to HRM@engr.ucf.edu. This is Harleys e-mail address.

UFFC - Tom Voor

One meeting has been held and another is being planned.

STUDENT - Debra Kemnitz

CONSULTANTS WORKING GROUP - Jorge Medina

There was a meeting in October. Ed Tuttle spoke on intellectual property rights, technology transfer and licensing. There are 42 consultants registered in the working group now. The December meeting will be an open forum with a number of practicing consultants answering questions. In January there will be a video tutorial and in February an insurance agent will speak. Jorge has submitted budget for the upgrade of the PC for voice mail, an UPS and for refreshments and copying.

5. Treasurer’s Report - Wahid Parveen

The treasurers’ report was reviewed and approved. The budget was reviewed and several corrections were noted.

6. Minutes of Previous Meeting - David King

The minutes were reviewed and approved.

7. Vice Chairman’s Report - Jackie Hines

One check has bounced and Ali directed Jackie to ask the party involved to send additional funds to cover the charges. IEEE was going to send some information on standards, but it hasn’t appeared yet. Ed Ellis mentioned that a publication called the ‘Standard Bearer’ contains latest information on standards.

There was some discussion on the location and price for the next banquet. Suggestions were to keep the price reasonable (less than 20 or 25 dollars). The group felt that we should look for dessert and coffee to be included. Jackie mentioned a fine banquet at the Omni she’d attended. A recommendation was made to find a location with a pastoral setting.
8. Chapter's Chairman - Jeff Rollman

No report.

9. Voice Mail - Jorge Medina

Comments were made earlier pertaining to the budget for the PC upgrade and the Uninterruptable Power Supply (UPS).

10. Membership Development - Bob Smallwood

There are approximately 1360 members now. Jorge has been creating a data base which allows us to have a directory. The directory may be obtained for the cost of producing it - $10.00.

11. Awards - Jorge Medina

Jorge has only received a single nomination for the entrepreneur of the year. The chapters need to fill out nominations for their engineers for the year ASAP. Please take note of the need for nominations and consider others who may be eligible candidates for engineer of the year and educator of the year.

12. Programs - Jackie Hines

No report this month.

13. Conference - Ed Ellis

PE will be having a conference in a couple of years. See below.

14. Globecom - Ed Ellis

So far we are on track to have a very successful conference. Many people have asked to stay over past Wednesday to enjoy the local attractions. The conference hotel is booked but people are not registering with the backup hotel. We still need many volunteers. Please consider signing up for an afternoon of work. It is one way to actually see the conference.

15. Publications - Jorge Medina

The newsletter may grow next year. We are looking at getting more advertising.

16. PACE - Glen Portz

No report.
17. Education - Sundaram Kalpathy

There were more request for video last month. There will be a new list for videos available next month.

The following is being repeated from last months notes to emphasize the need for people who are interested in these issues to come forward. Interested parties should contact Sundaram. Chapter chairmen should announce this initiative in the section meetings. Please encourage this; there are a lot of people waiting for a little encouragement to get involved.

Seminole and Orange schools have been contacted to open dialogue about IEEE volunteers offering education to students. A list of names and topics will be forthcoming. The IEEE Orlando section needs volunteers who are willing to speak to students. Contacts include the following:

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849-3339 Dr. Burns (math)

Is anyone interested in tutoring math? The question will be asked through the newsletter. The manager of technology review at Disney is interested in educating the public about energy and transportation.

18. Old Business/New Business

Ali emphasized the importance of engineers week. We would like to have a concrete plan put together for next months meeting. The strategic planning committee was tasked with the formation of the plan.

19. Adjourn

The meeting was adjourned at 8:45 pm.
30 November 1992

Dr. Ali Atashroo  
Chair, IEEE Orlando Section Exec. Board
IEEE Orlando Section  
385 Commerce Way, Suite 101  
P.O. Box 521917  
Longwood, FL 32752-1917

Dear Dr. Atashroo:

I was elected as the Chair of the local LEO section at our meeting on 5 November.  
For the newsletter listing, my office number is 658-6815, at UCF/CREOL. Thanks.

Sincerely,

[Signature]

Dr. Glenn Boreman  
Associate Professor
### IEEE Orlando Section - Proposed Budget 1993

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- 750
- 1500
IEEE Orlando Section Strategic Planning Committee

Minutes of 10/8/92 Meeting

Attendees:
   David King, Chair
   Michael Germain
   Harley Myler
   Karpathy Sundaram

Meeting called to order at 6:50 PM.

Minutes from 5/26/92 meeting were read

Discussion was initiated on elements of a long term strategic plan that would be presented to the executive committee and evaluated and refined in detail at future meetings of the strategic planning committee.

A proposal submitted by K. Sundaram was read (see attached). It involves aspects of the first element listed below of the discussion, service to the community. In short, the proposal suggests a scholarship allotment for an EE student and a contest for local high school students involving an EE oriented project that would be exhibited during Engineers week.

Items discussed:

- Community service.
  
  e.g., speakers pool, tutors in math and science, corporate sponsors, technology workshops, activities involving multimedia displays, science fair participation and sponsorship.

- Communication amongst the membership.
  
  e.g., email/BBS/voicemail services, newsletter.

- Fundraising projects.
  
  e.g., seminars and workshops, sponsorship of National and International conferences.

- Member services.
  
  e.g., jobs reference, retraining, trend identification and analysis, technology planning, database of members, newsletter.

Meeting adjourned at 7:50 PM.
STRATEGIC PLAN

Proposal from K.B. Sundaram:

1. Establishing a Scholarship fund: An annual scholarship can be awarded for a senior Electrical Engineering student in the range of $500-700 per year. This can be done by investing money in a financial institution and using the interest earned.

2. Prizes for High school students: Conduct an annual contest for high school students. The students will work on an electrical or electronic related projects from various schools in the vicinity. They will exhibit their projects during annual Engineers Week. Prizes could be awarded. Again this needs an investment so that interest earned could be used for these prizes. The local schools can be informed about this annual contest.
### IEEE ORLANDO SECTION - FINANCIAL SUMMARY, 3 NOV 1992

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<th>PROPOSE</th>
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<td>1/92-12/92</td>
<td>03 Nov 92</td>
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| | BUDGET | YTD | YTD |
|-----------------------------------------------|--------|----|
| BEGINNING BALANCE (7 January 1992) | 36984.88 | 36984.88 |

#### INCOME

1. 1st half '92 Section Rebate for 1991 Activities
2. 2nd half '92 Section Rebate for 1991 Activities
3. Chapter Income (National Society Support):
   - AES
   - AP/MTT
   - CHMT/ED
   - COM/VT
   - COMP
   - LEOS
   - PE/IA
   - SP
   - SRC
   - UFFCS
4. Monthly Newsletter Rebate
5. PE/IA Tutorial
6. Banquet & Social Events Receipts & Refunds
7. Advertisement
8. Vehicular Technology Conference '90
9. GLOBECOM '92
10. INTEREST

#### TOTAL INCOME

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#### EXPENSES

1. Publications /Mail
2. Officer Expenses:
   - Secretary
   - Chapter's Chairman
3. Awards
4. Programs
5. PACE
6. Membership development
7. Chapters:
   - AES
   - AP/MTT

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<td>9. PE/IA Tutorial</td>
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TOTAL EXPENSES

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INCOME-EXPENSES

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ENDING BALANCE TOTAL (Begin Bal+Income+Exp)

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IEEE MEMORANDUM

Date: November 3, 1992
To: Dr. P. Wahid @FAX: (407) 823-5035
From: M. C. Germain @FAX: (407) 326-1373
Subject: REQUEST FOR PROXY - MEETING OF NOVEMBER 3, 1992

This is a request to represent me at today's meeting on election day. I have tried to arrange my schedule to attend both events. However, I understand the lines at the voting booths are long and I don't know if I am going to be able to attend the IEEE meeting in a timely manner.

I know we have to vote on the budget this month. Therefore, I would like to ask you to please vote on my behalf at our executive meeting this evening.

I thank you ahead of time. If you have any questions or information that you need, please let me know.

Michel C. Germain
Chapter Chairman - IEEE COM/VT Orlando
Checking account balance (6 Oct Treasurer's Rpt.) $32,166.06

DISBURSEMENTS
1013 6-Oct-92 Medina Software - Newsletter/Labels $657.14
1014 6-Oct-92 Ikram Abdou - SP Supplies $20.00
1015 6-Oct-92 Wet 'N Wild - Fun Day $3,650.60
1016 6-Oct-92 L. Dunn - AP/MTT Sep meeting $78.72

======
Total Expenses $4,406.46

DEPOSITS:
4-Sep-92 Wet 'N Wild Tickets $270.00
10-Oct-92 Wet 'N Wild Tickets $1,270.00
24-Oct-92 PE/IA Tutorial $1,435.00
24-Oct-92 LEOs NA'tional ('92 & '93) $750.00

======
Total deposits $3,725.00

SUMMARY:
Checking account balance (6 Oct Treasurer's Rpt.) $32,166.06
Less Disbursements $4,406.46
Add deposits $3,725.00

======
$31,484.60

Checking account balance (3 Nov Treasurer's Rpt.) $31,484.60

Dreyfus Fund Balance (2 April 1991) $0.66

TOTAL LIQUID ASSETS $31,485.26

Respectfully Submitted
Tuesday, 3 November 1992

Parveen Wahid
IEEE Orlando Section Treasurer
I, Thomas E. Voor

Permission to proxy for me the IEEE Orlando Section Executive meeting on 11-3-92.

Thomas E. Voor
11-3-92
Meeting Announcements

Unless otherwise stated, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

ANTENNAS AND PROPAGATION/
MICROWAVE THEORY AND TECHNIQUES
&
COMMUNICATIONS/
VEHICULAR TECHNOLOGY

Progress and Change in Microwave Radio Communications

Speaker: Dr. Ferdo Ivanek, 1992-1994 MTT-S Distinguished Lecturer
Date: Wednesday, December 9th, 1992
Time: Refreshments at 5:30 PM
      Meeting at 6:00 PM
Location: Hewlett-Packard
Contact: Laurie Dunn at 1-407-867-3193 or leave message at 260-1676, ext. 6, voice mailbox 223.

CONSULTANTS' NETWORK

Marketing Strategies

Speaker: Regina Marston, Creative Media Source
Date: Tuesday, December 8th, 1992
Time: Meeting at 6:00 PM
Location: Orlando Public Library, 3rd Floor
Contact: Call Jorge Medina at 260-2676 for reservations or leave message at 260-1676, ext. 6, voice mailbox 323

AEROSPACE & ELECTRONIC SYSTEMS

EMFs, Epidemiology, and IEEE Standards

Speaker: Dr. J. Robert Ashley, IEEE
SCC28/3, Tampa, Former Prof. of E.E., U. of Colorado, and Dr. David E. Flinchaugh, P.E.
Date: Tuesday, November 24th, 1992
Time: 7:00 PM
Location: Refreshments will be served.
Location: Technology Consulting Center,
          822 E. Wallace St. (2 blocks south of Oak Ridge Rd., off S. Orange Ave.)
Contact: Dave Flinchaugh, 859-4855/859-7310 or leave message at 260-1676, ext. 6, voice mailbox 213.

The Single-Stage-to-Orbit Rocket Program

Speaker: Dr. David C. Webb, Director International Hypersonic Research Institute
Date: Tuesday, December 15th, 1992
Time: 7:00 PM
Location: Refreshments will be served.
Location: Technology Consulting Center
Contact: Dave Flinchaugh, 859-4855/859-7310 or leave message at 260-1676, ext. 6, voice mailbox 213.
IEEE ORLANDO SECTION
Region 3 Council 05 Section 51

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Sr. Past Chair: Dr. Madjid Belkerdji, UCF
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Education: Dr. Kalpathy B. Sundaram, UCF
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Strategic Plan: Dave King, Martin Marietta
(VM) 915, (O) 275-2318, (H) 699-4890

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(VM) 213, (O) 859-7310, (H) 859-4655

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(VM) 223, (O) 1-407-667-3193, (H) 678-9674

C: Dr. Edwin K. Evenson
(VM) 243, (O) 660-6116

COM/VT: Michael C. Germain, Uninited Tel.
(VM) 253, (O) 1-904-326-1483, (H) 678-5599

ED/CHMT: Dr. Kalpathy B. Sundaram, UCF
(VM) 263, (O) 823-5326, (H) 671-6843

LEO: Eric W. Van Strijland, UCF
(VM) 293, (O) 658-6814

PE/IA: James R. Pipkin, Westinghouse
(VM) 273, (O) 281-2916

SP: Dr. Ikarum E. Abdou, Martin Marietta Corp.
(VM) 233, (O) 356-0322, (H) 671-0397

SRC: Dr. Harley Myler, UCF
(VM) 303, (O) 823-5098, (H) 657-4680

UFC: Thomas E. Voor
(VM) 283, (O) 267-1146

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Neural Network: Dr. M. Georgiopoulias, UCF
(VM) 313, (O) 823-5338, (H) 275-2655

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Advisor: Dr. Mario Sznaier, UCF
(VM) 916

Chairman: Debra Kemnit, UCF
(VM) 83, (O) 658-4595

SRC: Scott Harrell, VM 93, (O) 366-7952

IEEE ORLANDO INFORMATION CENTER
Voice Mail: (407) 260-1676, Fax: 260-1638

CHAIRMAN'S CORNER

M. Ali Atashroo, Section Chairman

You chapters, working groups, committees, and student branch chairs have arranged excellent 1992-1993 technical, professional, and social events for you. They conducted eleven such activities in October and in Ten in November with good attendance. You will enjoy and benefit from these planned events. Look-up your favorite events in the "Events Calendar" updated monthly in this Section monthly newsletter, or call up our IEEE Orlando Voice Information Center 260-1676, ext. 6 and enter the respective Voice Mailbox (VM) number for the latest information.

Parveen Wahid, Section Treasurer, completed the IEEE Orlando Section's 1993 budget incorporating the budgets submitted by the chapters, working groups, committees, and student branch chairs. It was approved unanimously in our November 3, 1992 executive committee (EXCOM) meeting.

Jackie Hines, Program Chair, is now arranging for our Awards banquet to be held Saturday 27th (second choice 20th) of February 1993. We will announce the date, time and place after our December 1st EXCOM meeting.

Jorge Medina, Awards Chair, is looking forward to receiving your responses to his "Search for Stars" published in the November issue of the Section Monthly. You play a key role in this process. Nominate the individuals in your work-place whom you believe are outstanding.

Jorge Medina, Consultants' Network chair, has produced an informative publication of the IEEE Orlando Section membership directory sorted by different categories. This directory is for exclusive use of IEEE members and is available from Jorge for a nominal reproduction cost. This directory serves as enhancement of networking among local members. Also, Harley Myler, Strategic Planning Committee member and SRC chair, is completing an E-mail service at UCF to further our networking capabilities.

Ed Ellis, Globecom '92 (Dec. 6-9) Committee Secretary, has a last call seeking volunteers for Globecom '92. I encourage Section members and especially students to contact Ed Ellis at (407) 834-3319 (H) to find out about the time, place, and function. Volunteer's benefits are a meal ticket and one day free admission pre or post the volunteering day. Bob Smallwood, Membership Chair, would also appreciate volunteers to contact him at (407) 826-9217 (O) for manning the IEEE membership booth at the Globecom '92 held at Buena Vista Palace in Walt Disney World Village.

During the National Engineering Week (NEW), February 14-20, 1993 we plan for an all out effort for "Public Awareness of Engineering Profession" through highlighting engineers' contributions to society. The Strategic Planning Committee has taken the lead to propose concrete alternatives for NEW. On our December 1st EXCOM meeting, we will kick-off the implementation of the selected activities. Finally, David King, Strategic Planning Committee chair, has commenced our long-term investment plan for the Section by investing $20,000 in the Vanguard no-load short-term U.S. treasury fund.

☆ STAR SEARCH ☆

Jorge Medina, Awards Chair
Help us identify the Outstanding Electrical Engineers in the Orlando Section!

We are looking for potential candidates for major Section Awards. The Outstanding Engineer Award and the Outstanding Engineering Educator Award will be presented in February, 1993 and the Outstanding Service Award and the Outstanding Entrepreneur Award will be given in June, 1993.

The Orlando Section consists of over 1300 Engineers spread over five counties. We can only get to know who the top performers are with your help. An Orlando Section Award Candidate Search Form can be found on page 3 of the November newsletter. If you are aware of someone who has made significant contributions to the profession in the areas specified in the Qualifications section, and also meets the Eligibility requirements, please take a couple of minutes to fill out the short Search form.

All Search forms received by the Awards Committee will be acknowledged by return mail. In the event a candidate is selected for nomination for a particular award, a Nomination form must then be filled out for the candidate, as indicated in the Procedure section.

SPEAKERS POOL

Kalpathy B. Sundaram, Education Chairman

The response has been poor for the proposed speakers pool of volunteers to be established to address the local public schools on math, science and engineering. The following members expressed interest in the proposed pool and they are: Mr. Jim Lynes (Walt Disney), Dr. A. Atashroo (Martin Marietta), Dr. M. Harris and Dr. K.B. Sundaram (UCF). Members who are still interested to participate in this volunteer activity are requested to contact Dr. Kalpathy Sundaram, Education Chairman at (407) 823-5326.
The Ninth IEEE Conference on

ARTIFICIAL INTELLIGENCE FOR APPLICATIONS

Advancing the Application of AI Techniques to Real-World Problems

Disney Yacht & Beach Club Hotel • Orlando, Florida
March 1-5, 1993

For eight consecutive years, CAIA, the Conference on Artificial Intelligence for Applications, has provided an international forum for the exchange of ideas, techniques, and experiences in the application of AI to real-world problems.

In continuing this tradition, CAIA '93 will be held at the Disney Yacht and Beach Club Hotel in Orlando, Florida. This year's program will feature tutorials, workshops and invited speakers, and will focus on case studies and advances in AI techniques and on the principles that underlie knowledge-based systems. Additional emphasis will be on new AI paradigms that can or have had an impact on applications of the technology.

An Advance Program describing the CAIA '93 conference is now available from the IEEE Computer Society. Included in the Advance Program is an overview of the various tutorials, workshops and panels planned for this year's conference, as well as information on hotel, travel, and conference registration.

Once primarily the vision of academia and research, Artificial Intelligence and its associated techniques are now helping to solve strategic problems that could not have been solved in the past. CAIA '93 is devoted to advancing the application of AI techniques to real-world problems.

To receive the Advance Program or additional conference information, contact:

CAIA '93
IEEE Computer Society
1730 Massachusetts Avenue, N.W.
Washington, DC 20036-1903
Phone: (202) 371-1013
Fax: (202) 728-0884

Sponsored by: In cooperation with:
IFIP WG 10.3
(Concurrent Systems)

Working Conference on
Architectures and Com-
pilation Techniques for
Fine and Medium Grain
Parallelism

Hotel Royal Plaza,
Orlando, Florida
January 20-22, 1993

Please send electronic mail to
ifip@usc.edu, to obtain a copy of
the conference program and reg-
istration form. For further infor-
mation, please contact Profs.
Darkevski Evripidou, Local
Arrangements Chairman, at
(214) 692-3673.

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EVENTS CALENDAR
For the latest and/or additional information call the IEEE Orlando Voic Information Center
260-1676, ext. 6 and enter the respective Voice Mailbox (VM) number.

Nov. 24  IEEE AES - EMFs, Epidemiology, and IEEE Standards - Technology
  Consulting Center, Dr. D. Finchbaugh (VM) 213, 859-4855/859-7310
Dec.  1  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901,
  (O) 356-6914, (H) 539-0465
Dec.  6-9  IEEE COM - GLORECON '92 - 1992 IEEE Global Telecommunications
  Conference - D. Sullivan, 660-6861
Dec.  8  IEEE Consultants' Network - Marketing Strategies - Orlando Public
  Library, J. Medina (VM) 323, (O) 260-1676
Dec.  9  IEEE AP/MMT - Progress and Change in Microwave Radio Communica-
  tions - L. Dunn, (VM) 223, 1-407-887-3193
Dec. 15  IEEE AES - The Single-Stage-to-Orbit Rocket Program - Technology
  Consulting Center, Dr. D. Finchbaugh (VM) 213, 859-4855/859-7310
Jan.  5  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901,
  (O) 356-6914, (H) 539-0465
Jan. 12  IEEE Consultants' Network - Introduction to Modern Technology -
  Orlando Public Library, J. Medina (VM) 323, (O) 260-1676
Jan. 20-22 IFIP WG 10.3 - Working Conference on Architectures and Compilation
  Techniques for Fine and Medium Grain Parallelism - Hotel Royal Plaza,
  (214) 692-3673.
Feb.  5  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901,
  (O) 356-6914, (H) 539-0465
Feb. 12  IEEE Consultants' Network - TBA - Orlando Public Library, J. Medina (VM)
  323, (O) 260-1676
Mar.  1-5  IEEE C - 9th IEEE Conf. on Artificial Intelligence for Applications - D.
  Waltz, (617) 234-2050

NEED ANY ASSISTANCE?
The Referral Service of the IEEE CONSULTANTS NET-
WORK OF ORLANDO has over 30 engineering, technical
and managerial consulting professionals available to
help you with your particular problem. The Network's
ethical code ensures the highest professional standards.

Call (407) 260-1676 for information, or write to
P.O. BOX 521917, LONGWOOD, FLORIDA 32750
There is no charge for referrals.
**ORLANDO SECTION IEEE EXECUTIVE COMMITTEE**  
**MEETING AGENDA**  
**DECEMBER 1, 1992**

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<td>2. Chairman's Remarks</td>
<td><strong>ALI ATASHROO</strong>* 5</td>
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<td>3. Quorum/Agenda</td>
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<td>4. Chapter Reports:</td>
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<tr>
<td>AES</td>
<td><strong>DAVE FLINCHBAUGH</strong>* 2</td>
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<tr>
<td>AP/MTT</td>
<td><strong>LAURIE DUNN</strong>* 2</td>
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<tr>
<td>COMPUTER</td>
<td><strong>ED EVENSON</strong>* 2</td>
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<tr>
<td>COM/VT</td>
<td><strong>MICHAEL GERMAIN</strong>* 2</td>
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<td>ED/CHMT</td>
<td><strong>KALPATHY SUNDARAM</strong>* 2</td>
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<td>LEOS</td>
<td><strong>ERIC VANSTRYLAND</strong>* 2</td>
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<td>NEURAL NETWORK WG</td>
<td><strong>MICHAEL GEORGIOPoulos</strong>* 2</td>
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<td><strong>JIM PIPKIN</strong>* 2</td>
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<td><strong>IKRAM ABOU*er</strong> 2</td>
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<td><strong>HARLEY MYLAR</strong>* 2</td>
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<td>UFFC</td>
<td><strong>TOM VOOR</strong>* 2</td>
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<td><strong>DEBRA KEMNITZ</strong> 2</td>
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<td><strong>JORGE MEDINA</strong>* 2</td>
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<td>5. Treasurer's Report</td>
<td><strong>PARVEEN WAHID</strong>* 5</td>
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<tr>
<td>6. Minutes of previous meeting</td>
<td><strong>DAVE KING</strong>* 5</td>
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<td>7. Vice Chairman's Report</td>
<td><strong>JACKIE HINES</strong>* 2</td>
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<td>8. Chapter's Chairman</td>
<td><strong>JEFF ROLLMAN</strong>* 2</td>
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<td>9. Voice Mail</td>
<td><strong>JORGE MEDINA</strong> 2</td>
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<td>10. Membership Development</td>
<td><strong>BOB SMALLWOOD</strong>* 2</td>
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<td><strong>JORGE MEDINA</strong> 3</td>
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<td>14. Globecom '92</td>
<td><strong>ED ELLIS</strong>* 1</td>
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<td>15. Strategic Planning Committee</td>
<td><strong>DAVE KING</strong> 2</td>
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<td>15. Publications</td>
<td><strong>JORGE MEDINA</strong> 2</td>
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<td>16. PACE</td>
<td><strong>GLEN PORTZ</strong> 1</td>
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<td>17. Education</td>
<td><strong>KALPATHY SUNDARAM</strong> 3</td>
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<td>18. Old Business</td>
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<tr>
<td>19. New Business</td>
<td>5</td>
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<tr>
<td>20. Adjourn</td>
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**TOTAL** 77

* Voting Officers: Total 19  
Quorum 9+1=10
ORLANDO SECTION IEEE
EXECUTIVE COMMITTEE MEETING MINUTES
REGION 03, SECTION 05, COUNCIL 51
Volume III, Number 11, Circulation 18

Date: December 1, 1992

Location: Hewlett-Packard, 6177 Lake Ellenor Drive, Orlando, Florida 32809

Attendants: Ali Atashroo (Proxy J. Medina)
Parveen Wahid
Dave King
Kalpathy Sundaram
Harley Myler
Ikram Abdou
Michael Germain
Eric Van Stryland
Jeff Rollman
Dr. David E. Flinchbaugh
Laurie Dunn
Ed Ellis
Michael Georgiopoulos

1. Call to Order

The meeting was called to order at 6:05 P.M.

2. Chairman's Remarks - Ali Atashroo

Ali wanted to emphasize the need to get the award nominations in for the year. Jorge Medina has already submitted nominations for the outstanding engineer and outstanding educator to region three. All chapters must get their nominations in as soon as possible.

3) Quorum/Agenda

The session had a quorum.

4) Chapter Reports

AES - David Flinchbaugh

AES had a meeting in November. There were 4 IEEE members and 4 guests. Another meeting is being planned. Jim Pipkin of PE/IA is interested in having a joint meeting for a repeat of the November topic. The next meeting is planned with Dr. David Webb to speak on the single stage orbit vehicle.
AP/MTT — Laurie Dunn

A meeting is planned for this month with the topic of ‘progress and change in microwave radio communications. AP/MTT will have a distinguished national lecturer, Dr. Ferdo Ivanek on the 9th at Hewlett Packard.

COMPUTER — Ed Evenson

No report.

COM/VT — Michael Germain

COM/VT had a meeting in November. 20 people attended. Students are becoming more active with another meeting planned for job placement possibilities.

ED/CHMT — Kalpathy Sundaram

No meetings are planned at this time. Some discussion took place about the need to revive interest in the chapter. It was suggested to send a letter to the members of the chapter.

LEOS — Eric VanStryland

Leos had a meeting last month. Fifty people were in attendance for Wayne Knox, a national distinguished lecturer. Another meeting is planned for January 12th tentatively.

Neural Network WG — Dr. M. Georgiopoulos

The Neural Network Working Group held a meeting at Rapid Imaging. Thirty people attended the meeting and three or four more meetings are being planned for the upcoming year. Some money was spent on refreshments, and the executive committee decided to make reimbursement from a chapter budget that was underrunning for the year.

PE/IA — Jim Pipkin

Bob Grey is looking for a conference chairman for the upcoming PES conference in 1995. It was decided to approach Madjid Belkerdid who is the current conference chairman for the Orlando Section.

SP — Ikram Abdou

Dr. Jim Hughen is to speak on January 14 on SAR signal processing. A meeting was held on November 12 on speech coding.
SRC - Dr. Harley Myler

A November meeting is planned with Steven Grossberg from MIT. A repeat announcement for the IEEE e-mail service follows:
To get on the list server e-mail to IEEE-OSL-request@engr.ucf.edu; on the subject line put subject:listserv. If all else fails e-mail to HRM@engr.ucf.edu. This is Harleys e-mail address.

UFFC - Tom Voor

The October meeting had 14 attendees, 10 member and 4 guests. On January 20 a national distinguished lecturer is planned. John Big will speak on high frequency oscillators and clocks. This will be held at the Radisson hotel in downtown Orlando.

STUDENT - Debra Kemnitz

No report.

CONSULTANTS WORKING GROUP - Jorge Medina

Jorge Medina was not in attendance, but gave his report to Ali. Jorge went to New York last month and attended a meeting of the Association of IEEE Consultants Network. There are currently 362 members of the organization.

5. Treasurers’ Report - Wahid Parveen

The treasurers’ report was reviewed and approved.

6. Minutes of Previous Meeting - David King

The minutes were reviewed and approved.

7. Vice Chairman’s Report - Jackie Hines

No report

8. Chapter’s Chairman - Jeff Rollman

A desire was expressed to have a running total of the meetings kept for all chapters including the neural net working group and the consultants network. The chapter secretary accepted the action for this.

9. Voice Mail - Jorge Medina

Jorge is considering upgrading the hardware and the software for the voice mail network.
10. Membership Development - Bob Smallwood

There are currently 1343 members in the Orlando section. Jorge has been creating a data base which allows us to have a directory. The directory may be obtained for the cost of producing it - $10.00.

11. Awards - Jorge Medina

All chapters must get their nominations in post haste. Time is running out for the awards banquet coming up in February.

12. Programs - Jackie Hines

No report this month.

13. Conference - Ed Ellis

The upcoming PE conference needs a conference chairman. Since it is not possible to select a conference chairman, Ali was going to speak to him about securing an individual for the job.

14. Globecom - Ed Ellis

The attendance at press time was expected to come in around 1100. The regular (paid) attendance thus far is at ~800. The hotels are full for several of the nights of the conference. An optimistic projection for the Orlando section receipts due to the conference is $20,000.

15. Strategic Planning Committee

The strategic planning committee was charged with coming up with a concrete proposal this month. The proposal arrived at by the committee was to sponsor an essay contest for the engineering week upcoming. Dr. Harley Myler has received a pledge from Westinghouse to support the essay contest luncheon to a maximum of $1500. A hearty discussion took place concerning details of the event. The executive committee voted to support the contest with $750 of funds. Orange county high school Senior and Juniors will be invited to participate. A mailing will go out early in January. Dr. Myler was selected to chair the essay contest committee.

16. Publications - Jorge Medina

No report.

17. PACE - Glen Portz

Glen reports that Jorge Medina has made a couple request for funds for projects. Has been signed and forwarded to regional PACE.
17. Education - Sundaram Kalpathy

Some video prices are effective only until January 30. A section in California apparently heard from field services that we had bought a number of the tapes and has asked if they could rent some of them.

18. Old Business/New Business

None

19. Adjourn

20. The meeting was adjourned at 7:50 pm.
ATTENDANCE

David King  862-9994
Ali Atashroo  539-0465
Parveen Wahid  677-0571
Harley Myler  823-5098
Kalpathy B. Sindaram  823-5326
Ikrar Abouz  356-0322
Michel Germain  678-5599
ST Ellis  834-3319

Glen Fortz  644-2408
Erich Van Slyka  658-6814
Jeff Rollman  655-6310
Laurie Dunn  407-867-3193
Tom Voor  407-886-8860
Michael Georgiopoulos  407-823-5338
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2. HV 0124-8 Adaptive Pattern Recognition (2 hrs, 1 Tape, 1989)  59.95
3. HV 0105-7 Vision (2 hrs, 1 Tape, 1988)  59.95

Total  179.85

Neural Network Group
HV 0324-4 Learning, Recognition and Prediction by self-organizing Neural Networks (2 hrs, 1 Tape)  212.50
(Package of 3)
2) Adaptive Signal Processing and Adaptive Neural Networks (2 hrs, 1 Tape)
3) Adaptive Vector Quantization and Neural Networks (2 hrs, 1 Tape)

Computer
1. HV 0199-0 Improving the Software Process and Product in a Measurable Way  99.00
2. HV 0204-8 Distributed Software Engineering  99.00
3. HV 0201-4 Software Risk Management  99.00

Total  297.00

PE/IA
1. HV 0073-7 Industrial Robotics for Electrical Engineering (103 min, 1 Tape, 1987)  59.95
2. HV 0147-9 Estimating Loads for Planning Electrical Distribution Systems (82 min, 1 Tape, 1989)  59.95

Total  119.90
Total  1995.46
UNIVERSITY OF CENTRAL FLORIDA
ELECTRICAL AND COMPUTER ENGINEERING DEPT.
ORLANDO, FL 32816-2450

Fax: (407) 823-5835
Voice: (407) 823-2786

Cover Sheet for Faxed Documents

Date 10-23-92
Number of Pages: 3
(Including Cover Sheet)

TO
Name: DAVE KING
Agency: MARTIN MARICCTA
Address: ATF-Eoss
Address: 
Fax: 356-5502 Voice: 356-1886

FROM
Name: Dr. Myler
OfficePhone: 823-5098
Comments: 

Confirmation Requested? YES  NO 
Reference Number: 

10
IEEE Orlando Section Strategic Planning Committee

Minutes of 10/8/92 Meeting

Attendees:
David King, Chair
Michael Germain
Harley Myler
Karpathy Sundaram

Meeting called to order at 6:50 PM.

Minutes from 5/26/92 meeting were read

Discussion was initiated on elements of a long term strategic plan that would be presented to the executive committee and evaluated and refined in detail at future meetings of the strategic planning committee.

A proposal submitted by K. Sundaram was read (see attached). It involves aspects of the first element listed below of the discussion, service to the community. In short, the proposal suggests a scholarship allotment for an EE student and a contest for local high school students involving an EE oriented project that would be exhibited during engineers week.

Items discussed:

- Community service.
  
  e.g., speakers pool, tutors in math and science, corporate sponsors, technology workshops, activities involving multimedia displays, science fair participation and sponsorship.

- Communication amongst the membership.
  
  e.g., email/BBS/voicemail services, newsletter.

- Fundraising projects.
  
  e.g., seminars and workshops, sponsorship of National and International conferences.

- Member services.
  
  e.g., jobs reference, retraining, trend identification and analysis, technology planning, database of members, newsletter.

Meeting adjourned at 7:50 PM.
STRATEGIC PLAN

Proposal from K.B. Sundaram:

1. Establishing a Scholarship Fund: An annual scholarship can be awarded for a senior Electrical Engineering student in the range of $500-700 per year. This can be done by investing money in a financial institution and using the interest earned.

2. Prizes for High school students: Conduct an annual contest for high school students. The students will work on an electrical or electronic related projects from various schools in the vicinity. They will exhibit their projects during annual Engineers Week. Prizes could be awarded. Again this needs an investment so that interest earned could be used for these prizes. The local schools can be informed about this annual contest.
IEEE ORLANDO SECTION - FINANCIAL SUMMARY, 1 DEC 1992

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BEGINNING BALANCE (7 January 1992)

- 36984.88

INCOME

1. 1st half '92 Section Rebate for 1991 Activities
   - 2219.61
2. 2nd half '92 Section Rebate for 1991 Activities
   - 2219.61
3. Chapter Income (National Society Support):
   - AES
     - 150.00
   - AP/MTT
     - 850.00
   - CHMT/ED
4. Monthly Newsletter Rebate
   - 0.00
5. PE/IA Tutorial
   - 2000.00
6. Banquet & Social Events Receipts & Refunds
   - 3500.00
7. Advertisement
   - 3750.00
8. Vehicular Technology Conference '90
   - 0.00
9. GLOBECOM '92
   - 0.00
10. INTEREST
    - 2000.00
11. CD Transfer
    - 0.00

TOTAL INCOME

- 18189.22
- 34789.78
- 191

EXPENSES

1. Publications /Mail/Directory
   - 9500.00
2. Officer Expenses:
   - Secretary
     - 300.00
     - 60.00
     - 0.00
   - Chapter's Chairman
     - 60.00
     - 21.11
     - 0.00
3. Awards
   - 750.00
4. Programs
   - 5500.00
5. PACE
   - 100.00
6. Membership development
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   - AES
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**INCOME-EXPENSES**

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- Brown bag approach to come up with product and compete during eng. week.

- Competition with another University.

- Invite companies to show their products and services during eng. week.

- Compose a video from the engine fair events.
  Plan content & compose message.

- Invite radio stations and/or local political figures to attend.

- Have a luncheon.
Concrete idea

- Get a display booth with videos & graphs
- Have an Energy theme talk to be used loosely
- Invite high school students selected by senior leadership with corporate sponsorship
- Media event
- Draft letter of acknowledgment & thanks using my new logo & IEEE logo

- Talk to contact companies to participate

- Essay contest or essay engineering prize certificates
IEEE ORLANDO SECTION - TREASURER'S REPORT 1 DEC 1992

Checking account balance (3 Nov Treasurer's Rpt.) $31,484.60

DISBURSEMENTS
1017 3-Nov-92 Medina Software - Newsletter/Labels $789.76
1018 3-Nov-92 Ikram Abdou - SP Meeting $50.00
1019 3-Nov-92 Postmaster-Bulk Mail $320.00
3-Nov-92 Cashier's Check - Vanguard Account $20,000.00
1020 3-Nov-92 Void Check-Vanguard Account $0.00
1021 17-Nov-92 Robert Nelson - PE/IA Seminar Exp. $245.16
1022 22-Nov-92 Jeff Mink - UFFC Meeting $62.79
1023 22-Nov-92 M. Belkerdid - COM/VT Meeting $43.79

Total Expenses $21,511.50

DEPOSITS:
22-Nov-92 Section Rebate - 2nd Half 1992 $2,645.24
29-Nov-92 Conference Advt - Nov & Dec $144.00
29-Nov-92 Medina Software Advt - Nov $195.00
29-Nov-92 Business Card Advt - Dec 92-May 93 $210.00
31-Oct-92 Interest $46.65

Total deposits $3,240.89

SUMMARY:
Checking account balance (3 Nov Treasurer's Rpt.) $31,484.60
Less Disbursements $21,511.50
Add deposits $3,240.89

$13,213.99

Checking account balance (1 Dec Treasurer's Rpt) $13,213.99
Dreyfus Fund Balance (2 April 1991) $0.66

TOTAL LIQUID ASSETS $13,214.65

Respectfully Submitted
Tuesday, 1 December 1992
Parveen Wahid
Treasurer, IEEE Orlando Section
## IEEE ORLANDO SECTION - PROPOSED BUDGET 1993

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TOTAL INCOME

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   - AP/MTT
   - CHMT/ED
   - COM/VT
   - COMP
   - LEOS
   - PE/IA
   - SP
   - SRC
   - UFFCS
4. Monthly Newsletter Rebate
5. PE/IA Tutorial
6. Banquet & Social Events Receipts & Refunds
7. Advertisement
8. Vehicular Technology Conference '90
9. GLOBECOM '92
10. INTEREST

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6. Membership development
7. Chapters:
   - AES
   - AP/MTT

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| 1. Publications /Mail/Directory | 9500.00 | 6770.73 | 71  |
| 2. Officer Expenses:     |         |         |     |      |
| Secretary                | 300.00  | 88.30   | 29  |
| Chapter’s Chairman       | 60.00   | 21.11   | 35  |
| 3. Awards                | 750.00  | 445.96  | 59  |
| 4. Programs              | 5500.00 | 5389.30 | 98  |
| 5. PACE                  | 100.00  | 0.00    | 0   |
| 6. Membership development| 50.00   | 0.00    | 0   |
| 7. Chapters:             |         |         |     |      |
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| AP/MTT                   | 1000.00 | 520.88  | 52  |</p>
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| INCOME-EXPENSES                           | -7878.78 | -5745.48 | 73.00    |

| ENDING BALANCE TOTAL (Begin Bal+Income+Exp)| 29106.10 | 31239.40 | 107.00   |
October 14, 1992

Mr. Robert W. Smallwood
1389 White Oak Drive
Casselberry, FL 32708

Dear Mr. Smallwood:

We recently received information regarding the current Officers of the Orlando Section. You were reported as Membership Development Chairman.

According to our records your IEEE Dues have expired as of 12/91. IEEE Bylaws state that a Section Officer must be a current Member of IEEE. I have enclosed a renewal application for your use. Please return it to my attention for prompt processing and in order that we may update your records.

We look forward to working with you to quickly resolve the above and appreciate your willingness to serve as a local volunteer leader. If you have any questions or need further assistance please feel free to contact me by phone (908) 562-5513, by FAX (908) 463-3657, by CompMail at P.WALSH or Internet at p.walsh@ieee.org.

Sincerely,

Peg Walsh, Section/Chapter Support
IEEE Field Services

Cc: David King, Secretary - IEEE Orlando Section
October 14, 1992

Mr. James R. Pipkin
Westinghouse Electric Corp.
4400 Alafaya TR MC 100
Orlando, FL 32826

Dear Mr. Pipkin:

We recently received information regarding the current Officers of the Orlando Section. You were reported as the Chairman for the Power Engineering/Industrial Applications Joint Chapter. I am sorry to inform you that according to the IEEE Bylaws and our current member database, you cannot be recorded as the Chapter Chairman.

According to our records you are not a current Member of either of those Societies. IEEE Bylaws state that a Chapter Chairman must be a current Member of the Chapter's Society, in the case of a Joint Chapter the Chairman need only belong to one. I have enclosed a Society application for your use, please return to my attention for prompt processing and in order that we may update your records to indicate you as the Chapter Chair.

We look forward to working with you to quickly resolve the above and appreciate your willingness to serve as a local volunteer leader. If you have any questions or need further assistance please feel free to contact me by phone (908) 562-5513, by FAX (908) 463-3657, by CompMail at P.WALSH or Internet at p.walsh@ieee.org.

Sincerely,

Peggy Walsh, Section/Chapter Support
IEEE Field Services

cc: David King, Secretary - IEEE Orlando Section
1. Call to Order

The meeting was called to order at 6: P.M.

2. Chairman's Remarks – Ali Atashroo

There will be a Florida State Engineering Science Fair on April 14-16 at the fairgrounds. There is a need for judges. Carl Lohman is heading up the judging. The judging will be held on Thursday only. Jackie Hines volunteered.

In 1994 Southcon will be held in Orlando. The proceeds will benefit the Florida Council. Dan Jackson from Virginia will be in charge. He needs a couple of volunteers to act as focal points. Glen Portz volunteered.

3) Quorum/Agenda

There was a quorum.

4) Chapter Reports
AES - David Flinchbaugh

Dr. David Webb spoke last month. Ten people attended the meeting from as far away as Titusville. The meeting was excellent with many questions. It lasted 3 1/2 hours.

AP/MTT - Laurie Dunn

In December AP/MTT had a national distinguished lecturer speaking on Progress and Change in Microwave Communications. The meeting was excellent lasting 2 1/2 hours. Dr. Ferdo Ivanek talked about upcoming personal communication networks.

COM/VT - Michael Germain

No Report

ED/CHMT - Kalpathy Sundaram

No Report

LEOS - Eric VanStryland

On Thursday February 4 there will be a talk on phase shifting masks for IC production in the 1990s. Mark D. Levenson from the IBM Research Division in San Jose California will speak.

Neural Network WG - Dr. M. Georgiopoulos

No Report

PE/IA - Jim Pipkin

No Report.

SP - Ikram Abdou

There will be a meeting in January and February this year. The SP nomination for engineer of the year is in.
SRC – Dr. Harley Myler

There will be meetings in January and February this year. The first meeting will be a follow on video tutorial by Gail Carpenter (Steve Grossbergs wife).

UFFC – Tom Voor

No Report

STUDENT – Debra Kemnitz

No Report

CONSULTANTS WORKING GROUP – Jorge Medina

The Consultants Network Working Group now has 35 members. Ten members are not IEEE members. December was the last meeting. This month there will be a video on modern technology. The following month there will be a consultant on IRA’s, mutual funds and other investment vehicles.

There is an association of IEEE Consultants Networks. The private practitioner task force has a budget of 10K dollars. The budget will fund a bulletin. Jorge Medina will be taking the region 3 consultants network. He is helping Jacksonville to get their group started.

A request has been received from Saudi Arabia for engineering consultants. Dr. Flinchaugh mentioned the Contract Engineers Weekly. It is published in Bellingham, Washington. There is a hot sheet as well as listings of headhunters, rates etc.

5. Treasurers’ Report – Wahid Parveen

A motion was made to add the balance of the Vanguard account to the treasurer’s report. The treasurer’s report was then approved.

6. Minutes of Previous Meeting – David King

The executive committee reviewed both November’s meeting and December’s meeting minutes. They were approved.

The manager of technology at Disney is Jim Lynes. His number is (407) 828-4251. The library is reviewing the standards info from national.
7. Vice Chairman's Report – Jackie Hines

The bounced check has been taken care of.

8. Chapter's Chairman – Jeff Rollman

No report.

9. Voice Mail – Jorge Medina

An uninterruptable power supply (UPS) has been purchased for the voice mail system. Jorge is looking into buying another voice mail system, as well as an upgrade to the computer. If voice mail calls you, it will ring the house only three times every 20 minutes until 9:00.

10. Membership Development – Bob Smallwood

There are 1369 members currently in the section. There is a database established. Bob Smallwood has a copy of it if you need any information from him. Jorge Medina says there is a manufacturers association with a directory of 2500 companies in central Florida.

11. Awards – Jorge Medina

As of last count there were only two nominations in for engineer of the year from the chapters. Only LEOs and SP had their nominations in. One nomination has been received for outstanding engineer and one for outstanding educator. There has been no outstanding service nomination this year so far. Dr. Keith Huddleston and Wafy Mikhail have received the outstanding engineer and outstanding educator award from the Florida Council. January 30 was the last day for the chapters to submit their nominations.

12. Programs – Jackie Hines

The location for the awards banquet this year was discussed and voted on as well as the menu. The Omni was approved and a decision was made to subsidize the amount over $20 per person.

13. Conference – Ed Ellis

Madjid would take over on the PE conference as conferences chair. He is going to ask Bob Grey to become the conference chair.

14. Globecom – Ed Ellis

There was some discussion regarding the inability to sign new members at Globecom. The
COM society was not located in the exhibit hall, and national was offering a year free membership for signing up directly. There was some question whether those who signed up would count toward the Orlando chapter totals. We believe this is the case.

Since the attendance was better than 1700 and the surplus should exceed $100,000, the Orlando chapter should be receiving approximately $16,666 + $2,000 seed money. Ed will ask the conference chair to attend the next meeting. Many reported a very good conference.

Some discussion was held regarding having a network based database administered by a student.

15. Strategic Planning Committee

Progress was reported on the essay contest. The announcement was sent out and the media was contacted. The luncheon is set for the 17th of February. The following people were selected as judges; Sundaram, Ali, Jackie and Bob Smallwood.


The November issue of the Quarterly had an insert offering free software. Only ten people replied.

16. PACE – Glen Portz

Glen talked about the 'student Professional Awareness Ventures' and the Student Professional Activities Conference'.

Glen’s focus is still on the employment situation. At age 65, becoming a life member has many benefits.

17. Education – Sundaram Kalpathy

Sundaram is coming in right about on budget with about $1750.00 worth of videos including 2 computer videos and 1 on technical writing. The question was raised if they might be able to administer a private collection at the library. Most thought not.

18. Old Business/New Business

None

19. Adjourn

LAU.
Meeting Announcements

Unless otherwise stated, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

LASER AND ELECTRO-OPTICS

Starting an Optoelectronics Business

Program: The history of EPITAXX - an optoelectronic devices firm spun off from the RCA David Sarnoff Research Center in 1984 - will be reviewed from start-up to acquisition. Topics covered will include business plans, venture capital, key employees, and R&D funding. Mistakes, pitfalls, and successes will all be included. Key issues include the environment of a small vs large company and product quality. Resources to help start companies and the financial climate for the 1990's will be discussed and a question and answer period will follow.

Speaker: Dr. Gregory Olsen, President Sensors Unlimited, Inc.
Date: Thursday, January 14th, 1993
Time: Social hour (refreshments, etc.) 5:30 PM
Technical presentation 6:30 PM
Location: President's Board Room - Administration Building, UCF
Contact: Eric W. Van Stryland at 658-6814 or leave message at 260-1676, ext. 6, Voice Mailbox 293.

ULTRASONICS, FERROELECTRICS \ AND FREQUENCY CONTROL

High-accuracy Oscillators and Clocks

Speaker: John R. Vig, National Distinguished Lecturer
Date: Wednesday, January 20th, 1993
Time: Dinner at 6:30 PM, Lecture at 7:30 PM. Individual reservations and deposit required by January 15, 1993 for those attending dinner.
Location: Radisson Hotel (Lake Ivanhoe) 60 South Ivanhoe Blvd., Orlando
Contact: Jeff Mink at 886-8860 for questions and reservations or leave message at 260-1676, ext. 6, Voice Mailbox 283.

SIGNAL PROCESSING

Synthetic Aperture Radar with Applications to Maneuvering Platforms

Speaker: Dr. James Hughen, Martin Marietta
Date: Thursday, January 14th, 1993
Time: Meeting at 5:30 PM
Refreshments will be served.
Location: UCF Engineering Building
Contact: Dr. Ikram Abdou at 356-0322 or leave message at 260-1676, ext. 6, Voice Mailbox 233.

SYSTEMS, ROBOTICS AND CONTROLS

Adaptive Resonance Theory

Program: Video tutorial by Gail Carpenter, Center for Adaptive Systems, Boston University
Date: Thursday, January 14th, 1993
Time: 7 P.M.
Location: UCF Engineering Bldg. Room 288, refreshments/comfy chairs/wide-screen TV
Contact: Dr. Harley Myler at 823-5098 or leave message at 260-1676, ext. 6, Voice Mailbox 303. IEEE members only

CONSULTANTS' NETWORK

Introduction to Modem Technology

Program: Video Tutorial by Dr. G. David Forney, Vice President of Codex
Date: Tuesday, January 12th, 1993
Time: Meeting at 6:00 PM
Location: Orlando Public Library, 3rd Floor
Contact: Call Jorge Medina at 628-4828 for reservations or leave message at 260-1676, ext. 6, Voice Mailbox 323
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

EXECUTIVE BOARD
Chairman: Dr. M. Ali Atashroo, Martin Marietta
(VM) 901, (O) 356-6914, (H) 539-0465
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(VM) 902, (O) 886-8860, (H) 628-1604
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(VM) 904, (O) 823-2610, (H) 677-0571
Secretary: Dave King, Martin Marietta Corp.
(VM) 903, (O) 275-2318, (H) 699-4890
Jr. Past Chair.: Jorge Medina, Sigtone, Inc.
(O) 628-4828, (H) 260-1676
Sr. Past Chair.: Dr. Majedj Belkerdjid, UCF
(O) 628-5793, (H) 699-4890

COMMITTEE CHAIRMEN
Awards: Jorge Medina, Sigtone, Inc.
(VM) 905, (O) 628-4828, (H) 260-1676
Chapters: Jeff Rollman, Martin Marietta Corp.
(VM) 906, (O) 356-6310, (H) 671-2568
Conf.Ed.: Ed Ellis, (VM) 907-908, (H) 834-3319
Education: Dr. Kalpathy B. Sundaram, UCF
(VM) 909, (O) 823-5326, (H) 671-8843
Historian: Russell E. Theisen, Martin Marietta
(VM) 910, (O) 356-4320, (H) 671-4139
Membership: Bob Smallwood, Hewlett-Packard
(VM) 911, (O) 826-9217, (H) 365-9724
PACE: Glenn Portz, (VM) 912, (H) 644-2408
Programs: Jacqueline Hines, Sawtek Inc.
(VM) 913, (O) 886-8860, (H) 628-1604
Publications/Ed.: Jorge Medina, Sigtone, Inc.
(VM) 914, (O) 628-4828, (Fax) 628-5820
Strategic Plan.: Dave King, Martin Marietta
(VM) 915, (O) 275-2318, (H) 699-4890

SOCIETY CHAPTER CHAIRMEN
AES: Dr. David Flinchbaugh
(VM) 213, (O) 859-7310, (H) 859-4855
AP/MTT: Laurie Dunn, Kennedy Space Center
(VM) 223, (O) 1-407-867-3193, (H) 678-9674
C; Dr. Edwin K. Evenson
(VM) 243, (O) 660-5116
COM/VT: Michael C. Germain, United Tel.
(VM) 253, (O) 1-904-326-1483, (H) 678-5599
ED/CHMT: Dr. Kalpathy B. Sundaram, UCF
(VM) 283, (O) 823-5326, (H) 671-6843
LEO: Eric W. Van Stryland, UCF
(VM) 293, (O) 658-6814
PE/IA: James R. Pipkin, Westinghouse
(VM) 273, (O) 281-2916
SP: Dr. Ikram E. Abdou, Martin Marietta Corp.
(VM) 233, (O) 356-0322, (H) 671-0397
SRC: Dr. Harley Myler, UCF
(VM) 303, (O) 823-5098, (H) 657-4680
UFFC: Thomas E. Voor
(VM) 283, (O) 267-1146

WORKING GROUP CHAIRMEN
Consultants’ Network: Jorge Medina, Sigtone
(VM) 323, (O) 628-4828, (H) 260-1676
Neural Network: Dr. M. Georgiopoulos, UCF
(VM) 313, (O) 823-5338, (H) 275-2665

UCF STUDENT BRANCH
Advisor: Dr. Mario Sznaier, UCF, (VM) 916
Chairman: Debra Kemmlitz, UCF
(VM) 83, (H) 658-4595
SRC: Scott Harrell, (VM) 93, (H) 366-7952

IEEE ORLANDO INFORMATION CENTER
Voice Mail: (407) 260-1676, Fax: 260-1636

IEEE ORLANDO SECTION MONTHLY
January, 1993

M. Ali Atashroo, Section Chairman

CHAIRMAN’S CORNER

Speaking for IEEE Orlando Section Officers, I wish to all peace and joy for the holiday season, and a Happy Hanukkah, Christmas, and New Year.

Jorge Medina, Awards Chair, is looking forward to receiving your responses to his "Search for Stars" published in the last two issues of the Section Monthly newsletter. The deadline for receiving your nominees is January 15, 1993. Members play a key role in this process. Nominate the individuals in your workplace whom you believe are outstanding as an engineer, educator, promoter of engineering profession, or entrepreneur.

I would like to congratulate Dr. Keith Huddleston and Dr. Wasfy Boushra Mikhail, 1992 Orlando Section Outstanding Engineer and Educator respectively, for their selection as recipient of 1992 Florida Council’s Outstanding Engineer and Educator awards.

Jackie Hines, Program Chair, has arranged for our Awards Banquet to be held Saturday evening February 27, 1993. She will announce the time and place in the next issue of this newsletter.

Parveen Wahid, Section Treasurer, is preparing the 1992 final financial report. Dave King, Section Secretary, is also preparing the 1992 meetings report. These reports are due the IEEE Head Quaters by February 1, 1993. Parveen and Dave would appreciate receiving promptly the balance of the 1992 meeting and expense reports from the chapters, committees, and working groups chairs.

Jorge Medina, Consultants’ Network Chair, reports that currently there are ten consultants’ network with 396 members nationwide. New York has the largest network with over 100 members. Jorge has done an excellent job establishing the Orlando Consultant’s Network in 1992 with fifty members.

In December 3, 1992, the Executive Committee kicked off the Orlando Section’s National Engineering Week project as proposed by the Strategic Planning Committee. The project consists of an essay contest on the role of engineering in energy and environment conducted among high school students in the Section’s five-county jurisdiction. Harley Myler leads the Strategic Planning Committee members who volunteered to carry out the project. Westinghouse Corporation and IEEE Orlando Section will jointly sponsor the project. Orlando Section welcomes other company sponsors.

Ed Ellis, GlobeCom ’92 (Dec. 6-9) Committee Secretary, reports that the conference had projected a registration of 1,200 people of whom 800 were paid registered. IEEE Orlando Section sponsored the Globe-Com ’92 conference and will share the conference proceeds.

EMAIL LISTSERVER DATA

by Harley Myler

An experimental listserv has been established at UCF for Orlando Section IEE members to broadcast email messages to each other. To subscribe to the server, email a message to:

Ieee-osl-request@engr.ucf.edu

The subject of the message must be: LISTSERVER

The body of the message should contain the single word: subscribe

You will then receive a confirmation message from the server. When you wish to broadcast a message to the group, email it to:

Ieee-osl@engr.ucf.edu

If you wish to be removed from the server, send a request message as shown above, with the word: unsubscribe in the message body. For more information please contact Dr. Harley R. Myler at 407-823-5098 or 407-657-4680.
On November 22, 1992 I had the privilege to attend the National Meeting of the IEEE Private Practitioners Task Force (PPTF) in New York and to participate in the review of the 1992 Operation Plan for the activities of the Task Force and the 1993 Annual Plan which will be due early in 1993. The highlights of this meeting are presented here.

In the past year, the number of Networks has grown from five to ten. They are:

- Long Island Consultants Network
- Philadelphia Consultants Network
- New York Consultants Network
- Boston Consultants Network
- San Diego Consultants Network
- Connecticut Consultants Network
- DC Consultants Network
- North New Jersey Consultants Network
- Orange County Consultants Network
- Orlando Consultants Network

Several members of the Task Force had attended the National Consultants Conference in Connecticut on Saturday, November 21, 1992, and commended the Connecticut and Boston Sections for the excellent program.

The PPTF has voted to propose changing its name to The Association of IEEE Consultant Networks (ACIN).

Irwin Weltman, PPTF Chairman, informed the Task Force that a session had been approved for Electro '93 (4/27-29/93), tentatively titled "Is Consulting Engineering in Your Future?" The Task Force developed titles for four possible papers to be presented:

- The Future of Technical Consulting.
- The Role of the Local Network.
- How to Find a Consultant.
- The Benefits of Using Consultants in Large and in Small Organizations.

The Task Force agreed that the booth at Electro '93 should have two goals: to sign up new members for networks, and to reach potential clients. Representatives from the North New Jersey, New York, Philadelphia, and possibly Boston Networks will staff the booth and materials from the other networks will be distributed. Clients' names (via sign-up sheets) will be distributed to all networks.

The first issue of the PPTF National Newsletter will include:

Summary of this meeting
Conference in Connecticut
Short piece from each network
Section 1706 of the tax code
Announcement about Electro '93

Bill Anderson, IEEE Staff, will develop a listing of local networks that can be FAXed to clients, as well as a roster for inclusion in the national database.

The 1993 Task Force goals are:

1. Establish local networks by calling interested members to encourage them to organize themselves, with a goal of ten additional networks to be established in 1993.

2. Establish a subcommittee to develop guidelines for local networks to use in preparing a means for accessing members' skills, so that these databases can be easily incorporated into a national database for client referral; and also make recommendations for the development (software packages, etc.) of a national database that would include skills listings.

3. Lobby actively to eliminate discriminatory provisions (Section 1706) of the Tax Code.

4. Develop the recommendations for the future of the Association of IEEE Consultant Networks as mentioned above.

Private Practitioners Task Force Survey
(Responses from non-members of the IEEE are welcome)

First Name _____________________________
Last Name _____________________________
IEEE # _________________________________
Address __________________________________
City ______________________________________
State _____ Zip __________
Phone ___________________________

Income derived from consulting:
[ ] More the 20% [ ] 40% [ ] 60% [ ] 80% [ ] 99% [ ]

Years earning that percentage: ______

Total number of years consulting: ______

Will you help organize a network in your area? Yes [ ] No [ ]

May we give your name to other consultants so they can contact you? Yes [ ] No [ ]

Should the PPTF publish a periodical? Yes [ ] No [ ]

Would you contribute material? Yes [ ] No [ ]

Would you like the PPTF to organize a referral service? Yes [ ] No [ ]

Do you presently belong to any consultants' organizations? Yes [ ] No [ ]

If yes, give the name of the organization:

Consulting Skills:

Mail completed questionnaire to:
IEEE Consultants Network of Orlando
P.O. Box 521917
Longwood, FL 32752-1917
**The Orlando Section Monthly Advertisement Rates**

The Orlando Section of the IEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key area industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ad and payment is the 1st Tuesday of the month preceding the month of publication.

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Please call the IEEE Orlando Voice Information Center to place your ads or mail your camera ready material and payment to:

IEEE Orlando Section
385 Commerce Way, Suite 101
P.O. Box 521917, Longwood, FL 32750
Tel.: (407) 260-1676, Fax: (407) 260-1636

**EVENTS CALENDAR**

For the latest and/or additional information call the IEEE Orlando Voice Information Center 260-1676, ext. 6 and enter the respective Voice Mailbox (VM) number.

- **Jan. 5**
  - IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroor, (O) 356-6914, (H) 539-0465, (VM) 901
- **Jan. 12**
- **Jan. 14**
  - IEEE LEO - Starting an Optoelectronics Business - President's Board Room - Admin. Bldg., UCF, E. Van Stryland, (O) 658-6814, (VM) 293
- **Jan. 14**
- **Jan. 14**
- **Jan. 20**
  - IEEE UFCC - High-accuracy Oscillators and Clocks - Radisson Hotel, Orlando, J. Mink, (O) 886-8860, (VM) 283
- **Jan. 20-22**
- **Feb. 2**
  - IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroor, (O) 356-6914, (H) 539-0465, (VM) 901
- **Feb. 9**
  - IEEE Consultants' Network - TBA - Orlando Public Library, J. Medina, (O) 260-1676, (VM) 323
- **Mar. 1-5**
  - IEEE C - 9th IEEE Conf. On Artificial Intelligence for Applications - D. Waltz, (617) 234-2050
- **Mar. 1**
  - IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroor, (O) 356-6914, (H) 539-0465, (VM) 901
- **Mar. 9**
  - IEEE Consultants' Network - TBA - Orlando Public Library, J. Medina, (O) 260-1676, (VM) 323
- **Apr. 6**
  - IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroor, (O) 356-6914, (H) 539-0465, (VM) 901
- **Apr. 13**
  - IEEE Consultants' Network - TBA - Orlando Public Library, J. Medina, (O) 260-1676, (VM) 323
- **May 3**
- **Jun. 1-3**
  - IEEE CHMT - 43rd Electronic Components & Technology Conference - P. Walsh, (202) 457-4932

**NEED ANY ASSISTANCE?**

The Referral Service of the IEEE CONSULTANTS NETWORK OF ORLANDO has over 40 engineering, technical and managerial consulting professionals available to help you with your particular problem. The Network's ethical code ensures the highest professional standards.

Call (407) 260-1676 for information, or write to P.O. BOX 521917, LONGWOOD, FLORIDA 32750

There is no charge for referrals.
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<td>862-9094</td>
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<td>2</td>
<td>Ali Atashroo</td>
<td>(H) 539-0465 (W) 356-6914</td>
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<td>3</td>
<td>Jackie Harris</td>
<td>(H) 628-1601 (W) 886-8860</td>
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<td>4</td>
<td>K. B. Sunderam</td>
<td>(H) 671-6833 (W) 823-5326</td>
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<td>5</td>
<td>J. Abdon</td>
<td>(H) 671 0397 (W) 356 0322</td>
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<td>6</td>
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<td>(H) 834-3319</td>
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<td>(H) 644-2408</td>
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<td>(H) 859-4853 (W) 859-7310 X34</td>
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<td>10</td>
<td>Ed Evenson</td>
<td>(H) 788-3106 (W) 660-6116</td>
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<td>11</td>
<td>Harley Myler</td>
<td>(H) 657-4680 (URF) 823-5098</td>
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<td>Laurie Dunn</td>
<td>(H) 878-9674 (W) 407-867-3193</td>
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<td>Jorge Medina</td>
<td>(H) 260-1676 (W) 628-4828</td>
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<tr>
<td>14</td>
<td>Parveen Wahid</td>
<td>677-0571 (H) 823-2610 (W)</td>
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January 6, 1993

Principal
Lake, Orange, Osceola, Seminole, or Sumter County High School

Dear Sir or Madam:

It gives me great pleasure to inform you of an essay contest for 11th and 12th grade students at your school. This contest is being sponsored by the Orlando Section of the Institute of Electrical and Electronic Engineers (IEEE), Westinghouse Electric Corporation, and the Engineering College of the University of Central Florida. I have enclosed two announcements for the contest, official rules and entry cover sheets. I would be most grateful if you would either post these or see that the interested department heads (math, science and language arts) receive them. Please feel free to reproduce this material as needed.

I am at your disposal if any questions arise concerning the contest. I can be reached at 407.823.5098 (my office at UCF) or at the numbers listed above. You may also contact me at email address hrm@engr.ucf.edu, if you are using FIRNmail, append @smtp to the address.

With warm regards,

Harley R. Myler
Associate Professor of Engineering

incl.
January 31, 1993

Ms. Gloria Gutwein
IEEE Field Services
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331

Dear Gloria:

The meeting reports, L-31 forms, for all the chapter meetings of the Orlando Section for 1992 are enclosed. A summary for the activity of the year is also enclosed.

Sincerely,

[Signature]

David M. King
Secretary
IEEE Orlando Section
### IEEE ORLANDO SECTION - FINANCIAL SUMMARY, 5 JAN 1993

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IEEE ORLANDO SECTION - TREASURER’S REPORT 5 JAN 1993

Checking account balance (1 Dec Treasurer’s Rpt.) $13,213.99

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<td>1025 1-Dec-92 Wayne Knox-Nov LEOS mtg</td>
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<td>1028 9-Dec-92 Medina Software-UPS Phone mail</td>
<td>$214.00</td>
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<td>1029 9-Dec-92 Medina Software-Newsletter, mailing</td>
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<td>1030 9-Dec-92 Radisson-Deposit Jan UFFC mtg</td>
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Total Expenses $1,309.13

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Total deposits $1,709.28

SUMMARY:
Checking account balance (1 Dec Treasurer’s Rpt.) $13,213.99
Less Disbursements $1,309.13
Add deposits $1,709.28

Checking account balance (5 Jan Treasurer’s Rpt) $13,614.14
Dreyfus Fund Balance (2 April 1991) $0.66

TOTAL LIQUID ASSETS $13,614.80

Respectfully Submitted
Tuesday, 5 January 1993

Parveen Wahid
IEEE Orlando Section Treasurer
IEEE ORLANDO SECTION - FINANCIAL SUMMARY, 5 JAN 1993

<table>
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BEGINNING BALANCE (7 January 1992)

36984.88 36984.88

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INCOME

1. 1st half '92 Section Rebate for 1991 Activities
   2219.61 2638.08 119
2. 2nd half '92 Section Rebate for 1991 Activities
   2219.61 2645.24 119
3. Chapter Income (National Society Support):
   AES 150.00 0.00 0
   AP/MTT 850.00 350.00 41
   CHMT/ED
   COM/VT
   COMP 250.00 0.00 0
   LEOS 1000.00 750.00 75
   PE/IA
   SP
   SRC
   UFFCS 250.00 280.00 112
4. Monthly Newsletter Rebate 0.00
5. PE/IA Tutorial 2000.00 4135.00 207
6. Banquet & Social Events Receipts & Refunds 3500.00 3224.50 92
7. Advertisement 3750.00 1649.00 44
8. Vehicular Technology Conference '90
   0.00 0.00
9. GLOBECOM '92
   0.00 0.00
10. INTEREST 2000.00 665.63 33
11. CD Transfer
    0.00 20161.61

TOTAL INCOME

18189.22 36499.06 201

---

EXPENSES

1. Publications /Mail/Directory 9500.00 8338.51 88
2. Officer Expenses: 300.00 88.30 29
   Secretary 60.00 21.11 35
   Chapter’s Chairman 60.00 0.00 0
3. Awards 750.00 445.96 59
4. Programs 5500.00 5389.30 98
5. PACE 100.00 0.00 0
6. Membership development
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**TOTAL EXPENSES**

26068.00 39779.93 153

**INCOME-EXPENSES**

-7878.78 -3280.87 42

**ENDING BALANCE TOTAL (Begin Bal+Income+Exp)**

29106.10 33704.01 116
Checking account balance (1 Dec Treasurer’s Rpt.) 

$13,213.99

DISBURSEMENTS

1024 1-Dec-92  Ikram Abdou-Nov SP mtg  $30.00
1025 1-Dec-92  Wayne Knox-Nov LEOS mtg  $200.00
1026 1-Dec-92  Marriott-Nov LEOS mtg  $66.75
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1029 9-Dec-92  Medina Software-Newsletter, mailing  $679.38
1030 9-Dec-92  Radisson-Deposit Jan UFFC mtg  $100.00

Total Expenses  

$1,309.13

DEPOSITS:

9-Dec-92  Full page advt. Dec 92-Feb 93  $510.00
9-Dec-92  Full page advt. Oct 92  $255.00
19-Dec-92  PE/IA Seminar  $925.00
30-Nov-92  Interest  $19.28

Total deposits  

$1,709.28

SUMMARY:

Checking account balance (1 Dec Treasurer’s Rpt.)  

$13,213.99

Less Disbursements  

$1,309.13

Add deposits  

$1,709.28

$13,614.14

Checking account balance (5 Jan Treasurer’s Rpt)  

$13,614.14

Dreyfus Fund Balance (2 April 1991)  

$0.66

TOTAL LIQUID ASSETS  

$13,614.80

Respectfully Submitted
Tuesday, 5 January 1993

[Signature]
Parveen Wahid
IEEE Orlando Section Treasurer
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# Orlando Section IEEE Executive Committee Meeting Agenda

**January 5, 1993**

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<thead>
<tr>
<th><strong>ITEM</strong></th>
<th><strong>MINUTES</strong></th>
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<tr>
<td>1. Call to order</td>
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<tr>
<td>2. Chairman's Remarks</td>
<td>ALI ATASHROO*</td>
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<td>3. Quorum/Agenda</td>
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<td>4. Chapter Reports:</td>
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<tr>
<td>AES</td>
<td>DAVE FLINCHBAUGH*</td>
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<td>AP/MTT</td>
<td>LAURIE DUNN*</td>
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<td>COMPUTER</td>
<td>ED EVenson*</td>
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<td>COM/VT</td>
<td>MICHAEL GERMAIN*</td>
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<td>ED/CHMT</td>
<td>KALPATHY SUNDARAM*</td>
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<td>LEOs</td>
<td>ERIC VANSTRYLAND*</td>
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<td>NEURAL NETWORK WG</td>
<td>MICHAEL GEORGIOPoulos*</td>
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<td>PE/IA</td>
<td>JIM PIPKIN*</td>
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<td>SP</td>
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<td>SRC</td>
<td>HARLEY MYLAR*</td>
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<td>UFFC</td>
<td>TOM VOOR*</td>
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<td>STUDENT</td>
<td>DEBRA KEMNITZ</td>
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<td>CONSULTANTS NETWORK</td>
<td>JORGE MEDINA*</td>
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<td>5. Treasurer's Report</td>
<td>PARVEEN WAHID*</td>
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<td>6. Minutes of previous meeting</td>
<td>DAVE KING*</td>
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<td>7. Vice Chairman's Report</td>
<td>JACKIE HINES*</td>
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<td>8. Chapter's Chairman</td>
<td>JEFF ROLLMAN*</td>
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<td>9. Voice Mail</td>
<td>JORGE MEDINA</td>
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<td>10. Membership Development</td>
<td>BOB SMALLWOOD*</td>
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<td>11. Awards</td>
<td>JORGE MEDINA</td>
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<td>12. Programs</td>
<td>JACKIE HINES</td>
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<td>13. Conference</td>
<td>ED ELLIS*</td>
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<td>14. Globecom '92</td>
<td>ED ELLIS</td>
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<td>15. Strategic Planning Committee</td>
<td>DAVE KING</td>
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<td>16. Publications</td>
<td>JORGE MEDINA</td>
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<td>17. PACE</td>
<td>GLEN PORTZ*</td>
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<td>18. Education</td>
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<td>19. Old Business</td>
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<td>20. New Business</td>
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<tr>
<td>21. Adjourn</td>
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* Voting Officers: Total 19

**TOTAL** 77

Quorum 9+1=10
February 9, 1993

To: Dave M. King
   Section Secretary

IEEE Orlando Section

From: Dolores Wright, IEEE Fellow Program

Subject: Recognition of Newly-elected IEEE Fellows

Members of the IEEE elected to Fellow grade as of January 1, 1993 were asked to indicate whether they would like to have their certificates presented by the local Section or at one of the major Conferences sponsored by IEEE Societies/Councils. In the absence of any response by January 15, 1993, they were informed that the certificates would be mailed to the local IEEE Section.

Summarized below are the responses from the new Fellows residing in the territory of your Section and the actions taken with regard to their certificates.

Should you have any questions on this subject, you may telephone me at the above direct-dial number.

cc: M. A. Atashroo
   Section Chairman

The following new Fellow in your Section has chosen to have the certificate presented by one of the IEEE Societies/Councils:

Donald C. Malocha
IEEE Orlando Section Awards Banquet
Saturday, February 27th, 1993

Omni Orlando Hotel
Located at the Centroplex in Downtown Orlando
Complimentary Valet Parking

Program
6:00 P.M. Cash Bar - 7:00 P.M. Dinner
7:45 P.M. Presentation of Awards
Induction of New IEEE Fellow
Chapter Engineer-of-the-Year Awards
Student Awards
Section Awards
Florida Council IEEE Awards

This is an excellent opportunity to meet other members of the Orlando engineering community.
For reservations or additional details please contact Jackie Hines at 886-8860, 628-1604 or 823-5507

Reservation Form
Please make ___ reservation(s) for the IEEE Awards Banquet. My check for* ___ ($20 each) is enclosed.
Make check payable to IEEE. Choice of Entree: [ ] Lemon Grouper and Sliced Top Round of Beef
[ ] Sliced Sirloin Steak and Sauteed Chicken Stuffed with Florentine Salmon Mousse [ ] Vegetarian

Mail to: IEEE Awards Banquet
  c/o Jackie Hines
  1741 Edwin Blvd.
  Winter Park, FL 32789
  Phone No.: ____________________________
  886-8860, 628-1604 or 823-5507 * No Charge to IEEE Orlando Section Fellows and their spouses.

Reservations must be received no later than Tuesday, February 23rd, 1993
IEEE ORLANDO SECTION  
Region 03 Council 05 Section 51  
EXECUTIVE BOARD  
Chairman: Dr. M. Ali Atashroo, Martin Marietta (VM) 901, (O) 356-6914, (H) 539-0465  
Vice Chair.: Jacqueline Hines, Sawtak Inc. (VM) 902, (O) 886-8860, (H) 628-1604  
Treasurer: Dr. Parveen Wahid, UCF (VM) 904, (O) 823-2610, (H) 677-0571  
Secretary: Dave King, Datacube, Inc. (VM) 903, (O) 862-3904, (H) 628-4462  
Jr. Past Chair.: Jorge Medina, Sigtone, Inc. (O) 628-4828, (H) 260-1676  
Sr. Past Chair.: Dr. Madjid Belkerd, UCF (O) 823-5793, (H) 699-4890  
COMMITTEE CHAIRMEN  
Awards: Jorge Medina, Sigtone, Inc. (VM) 905, (O) 628-4828, (H) 260-1676  
Chapters: Jeff Rollman, Martin Marietta Corp. (VM) 906, (O) 356-6310, (H) 671-2568  
Conf./Ed.: Ed Ellis, VM 907/908, (O) 834-3319  
Education: Dr. Kalpathy B. Sundaram, UCF (VM) 909, (O) 823-5326, (H) 671-6843  
Historian: Dr. Madjid Belkerd, UCF (VM) 910, (O) 823-5793, (H) 699-4890  
Membership: Bob Smallwood, Hewlett-Packard (VM) 911, (O) 826-9217, (H) 365-9724  
PACE: Glenn Portz, (VM) 912, (O) 644-2408  
Programs: Jacqueline Hines, Sawtak Inc. (VM) 913, (O) 886-8860, (H) 628-1604  
Publications/Ed.: Jorge Medina, Sigtone, Inc. (VM) 914, (O) 628-4828, (F) 628-5820  
Strategic Plan.: Dave King, Datacube, Inc. (VM) 915, (O) 862-3904, (H) 628-4462  
SOCIETY CHAPTER CHAIRMEN  
AES: Dr. David Flinchbaugh (VM) 213, (O) 859-7310, (H) 859-4955  
AP/MMT: Laura Dunn, Kennedy Space Center (VM) 223, (O) 1-407-867-3193, (H) 678-9674  
C: Dr. Edwin K. Enerson, UCF (VM) 243, (O) 660-6116, (H) 788-3106  
COM/VT: Michael C. Germain, United Tel. (VM) 253, (O) 1-904-326-1483, (H) 678-5599  
ED/CHMT: Dr. Kalpathy B. Sundaram, UCF (VM) 263, (O) 823-5326, (H) 671-6843  
LEO: Dr. Glenn D. Boneman, UCF (VM) 293, (O) 658-6815  
PE/IA: James R. Pipkin, Westernhouse (VM) 273, (O) 281-2916  
SP: Dr. Ikram E. Abdou, Martin Marietta Corp. (VM) 233, (O) 356-0322, (H) 671-0397  
SRC: Dr. Harley Myler, UCF (VM) 303, (O) 823-5098, (H) 657-4680  
UFC: Thomas E. Voor, Sawtak Inc. (VM) 283, (O) 886-8680, (H) 267-1146  
WORKING GROUP CHAIRMEN  
Consultants’ Network: Jorge Medina, Sigtone (VM) 323, (O) 628-4828, (H) 260-1676  
Neural Network: Dr. M. Georgioupolous, UCF (VM) 313, (O) 823-5338, (H) 275-2655  
UCF STUDENT BRANCH  
Advisor: Dr. Mario Znaider, UCF, (VM) 916, (O) 366-5694  
Chairman: Debra Kemnitz, UCF (VM) 916, (O) 366-5694  
SRC: Scott Harrell, UCF (VM) 953, (O) 366-7952  
IEEE ORLANDO INFORMATION CENTER  
Voice Mail: (407) 260-1676, Fax: 260-1636  

IEEE ORLANDO SECTION Monthly  
February, 1993  

M. Ali Atashroo, Section Chairman  

CHAIRMAN’S CORNER  

Jackie Hines, program chair, has reserved the Omni Orlando Hotel at Centroplex for our Awards banquet on February 27th, 1993. Come and join Jackie Hines and Jorge Medina, Awards chair, who have put together a delightful evening for us. This year, speaking for Executive Committee, I would like to extend an invitation to the Fellows of IEEE Orlando Section and their spouses to attend the Awards banquet free of charge.  

Jorge Medina, Consultants Network chair, reports that Orlando currently has fifty nine consultant members. Jorge who is to head the Region 3 consultants network conducts monthly meetings on second Tuesdays at the Orlando Public Library.  

On January 6th, 1993, Harley Myler, Engineering Essay Contest lead, mailed out the Essay Contest announcement, official rules, and the official entry form to the principals of Lake, Orange, Osceola, Seminole, and Sumter Counties High Schools. The essay theme Engineering Energy and Ideas, is open to high school students grades eleven and twelve. The Entries must be received no later than 12 Noon, Friday, February 5th, 1993. Winners and sponsors will be notified the week of February 8th and invited for an awards luncheon Wednesday, February 17th, 1993 of the National Engineering Week. The prizes are $500, $250 and $100 U.S. saving bonds for the first, second, and third places, respectively. IEEE Orlando Section, Westinghouse Corp., and University of Central Florida are sponsoring this essay contest.  

Ed Ellis, GlobeCom '92 (Dec. 6-9)  

Committee Secretary, reports that the conference was a smashing success with over 1,700 satisfied attendees. I would like to commend Ron Kandell, General Chairman, and the GlobeCom '92 Executive Committee for their outstanding performance. Also, I would like to thank the Section’s volunteers and their spouses for their time and efforts.  

The IEEE Neural Network Council is holding its World Congress on Computational Intelligence on June 25 - July 4, 1994 at Walt Disney Dolphin Hotel Next to EPCOT. There would be four International Conferences, on Neural Networks, Fuzzy Systems, Evolutionary Systems, and Virtual Reality Technology with attendance estimate over 2,000. Glenn Portz and I attended the Organizing Committee meeting on Saturday, January 9, 1993 and committed the IEEE Orlando Section to help Volunteer Coordination, Local Arrangement, and Social/Technical activities for five percent share of the congress surplus. If you are interested in technical or social involvement with the World Congress please call me (407-356-6914) to obtain a point of contact.  

E-MAIL LISTSERVER DATA  

by Harley Myler  

An experimental listserv has been established at UCF for Orlando Section IEEE members to broadcast E-MAIL messages to each other. To subscribe to the server, do the following, E-MAIL a message to:  

ieee-osl-request@engr.ucf.edu  

The subject of the message must be:  

LISTSERVER  

The body of the message should contain the single word:  

subscribe  

You will then receive a confirmation message from the server. When you wish to broadcast a message to the group, E-MAIL it to:  

ieee-osl@engr.ucf.edu  

If you wish to be removed from the server, send a request message as shown above, with the word:  

unsubscribe  

in the message body. For more information please contact Dr. Harley R. Myler at 407-823-5098 or 407-657-4680.
Meeting Announcements

Unless otherwise stated, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

LASER AND ELECTRO-OPTICS

Phase-Shifting Masks for Integrated Circuit Production in the 1990’s

Program: The mass-produced integrated circuit is the most important invention of the late twentieth century. All such devices are manufactured by lithography - a process not too different from conventional photography. However, the minimum dimensions of these circuits is now about a wavelength of light, and shrinking by a factor of 2 every 5 years. Where does semiconductor manufacturing go from here? A lot of money has been spent on non-optical technologies, but none has proved commercially viable. Conventional optical lithography with one innovation - the phase-shifting mask - seems likely to dominate on a five-to-ten year time scale. While invented by the speaker 12 years ago, the phase-shifting mask has been developed almost entirely in Japan, which has a commanding 3 year lead at this time.

Speaker: Marc D. Levenson, Research Staff Member at the Almaden Research Center of IBM Corporation.
Date: Thursday, February 4th, 1993
Time: Social hour (refreshments, etc.) 5:30 PM
Technical presentation 6:30 PM
Location: President's Board Room - Administration Building, UCF
Contact: Eric W. Van Stryland at 658-6814 or leave message at 260-1676, ext. 7, Voice Mailbox 293.

POWER ENGINEERING/INDUSTRY APPLICATIONS

The National Energy Policy Act

Speaker: W.G. Bentley, Resource Management International
Date: Wednesday, February 17th, 1993
Time: Dinner 6:30 PM (estimated cost is $10 per person), Technical presentation 7:30 PM
Location: Cafe on the Park, South Room, Orlando, Harley Hotel (Corner of Washington and Rosalind Streets across from Lake Eola)
Contact: Betty at 857-6500 for reservations by 4:00 PM, February 16th. For additional information call Tom Reedy at 857-6500, Jim Pipkin at 281-2916, Bob Nelson at 381-6308 or leave message at 260-1676, ext. 7, Voice Mailbox 273.

SIGNAL PROCESSING

Adaptive Techniques: Algorithms and Structures

Speaker: Mr. Timothy Young, Martin Marietta
Date: Thursday, February 11th, 1993
Time: Meeting at 5:30 PM. Refreshments will be served.
Location: UCF Engineering Building, Room 288
Contact: Dr. Ikram Abdou at 356-0522 or leave message at 260-1676, ext. 7, Voice Mailbox 233.

SYSTEMS, ROBOTICS AND CONTROLS

A Critique of Selmer Bringsjord’s “What Robots Can and Can’t Be”

Program: What Robots Can and Can’t Be is a self-contained, rigorous, sustained argument for the unique, two-sided position that: 1) AI will continue to produce machines with greater and greater capacity to pass stronger and stronger versions of the Turing Test; but that 2) the Person Building Project (the attempt by cognitive engineers to build a machine which is a person) will inevitably fail. The program will consist of a critique of this book and roundtable discussion.

Date: Wednesday, February 10th, 1993
Time: 7:00 P.M.
Location: UCF Engineering Building, Room 288
Contact: Dr. Harley R. Myler at 823-5098 or leave message at 260-1676, ext. 7, Voice Mailbox 303.

CONSULTANTS’ NETWORK

Tax and Accounting Considerations for Independent Consultants

Program: An overview of taxes and accounting methods for self-employed consultants doing business as sole proprietorships, partnerships, S corporations and C corporations.

Speakers: Janice M. Walden, CPA Partner, Walden & Franx, CPAs
Date: Tuesday, February 9th, 1993
Time: Meeting at 6:00 PM
Location: Orlando Public Library, 3rd Floor
Contact: Call Jorge Medina at 628-4828 for reservations or leave message at 260-1676, ext. 7, Voice Mailbox 323.

ULTRASONICS, FERROELECTRICS AND FREQUENCY CONTROL

Acusto-Optic Signal Processing: Devices and Applications

Speaker: Dr. Dennis Pape
Date: Wednesday, February 17th, 1993
Time: Refreshments at 6:00 PM, Lecture at 6:30 PM
Location: UCF Engineering Building, Room 407
Contact: Jeff Mink at 886-8860 for questions or leave message at 260-1676, ext. 7, Voice Mailbox 283.
The Ninth IEEE Conference on

ARTIFICIAL INTELLIGENCE FOR APPLICATIONS

Advancing the Application of AI Techniques to Real-World Problems

Disney Yacht & Beach Club Hotel • Orlando, Florida
March 1-5, 1993

For eight consecutive years, CAIA, the Conference on Artificial Intelligence for Applications, has provided an international forum for the exchange of ideas, techniques, and experiences in the application of AI to real-world problems.

In continuing this tradition, CAIA '93 will be held at the Disney Yacht and Beach Club Hotel in Orlando, Florida. This year's program will feature tutorials, workshops and invited speakers, and will focus on case studies and advances in AI techniques and on the principles that underlie knowledge-based systems. Additional emphasis will be on new AI paradigms that can or have had an impact on applications of the technology.

An Advance Program describing the CAIA '93 conference is now available from the IEEE Computer Society. Included in the Advance Program is an overview of the various tutorials, workshops and panels planned for this year's conference, as well as information on hotel, travel, and conference registration.

Once primarily the vision of academia and research, Artificial Intelligence and its associated techniques are now helping to solve strategic problems that could not have been solved in the past. CAIA '93 is devoted to advancing the application of AI techniques to real-world problems.

To receive the Advance Program or additional conference information, contact:

CAIA '93
IEEE Computer Society
1730 Massachusetts Avenue, N.W.
Washington, DC 20036-1903
Phone: (202) 371-1013
Fax: (202) 728-0884

Sponsored by: In cooperation with:
Microelectronics Opportunities

SAWTEK, INC. is recognized as a leader in the research, development and manufacture of surface acoustic wave components for both commercial and military applications. We are now seeking the following professionals to join our Orlando facility:

Saw Components Engineer

Requires a dynamic RF Engineer interested in SAW component design and development. Activities will include project management and customer interface in support of custom design components such as filters, delay lines, resonators and oscillators. Degree and at least 3 years of experience desired.

RF Systems Engineer

We are looking for an individual with experience in IF and baseband signal processing, network synthesis, noise and spurious analysis, phase lock techniques, modulation and detection. The successful candidate must have extensive practical experience in RF design and construction techniques. BSEE desired, MSEE preferred with at least 10 years of experience.

Crystal Oscillator Engineer

Responsible for design and testing of VHF/UHF oscillators using SAW technology. Experience in the design, temperature compensation and analysis of crystal oscillator circuits and a working knowledge of VCO and phase locked loop techniques. Manufacturing experience in hybrids a plus. BSEE and at least 3 years of experience desired.

Mechanical Engineer

We are looking for someone with a mechanical engineering background consisting of a working knowledge of material properties (metals and composites), drawings and dimensioning per DoD-100 (and 1000) as well as ANSI Y 14.5, general tooling and fixture design and geometric tolerancing. A proficiency in AUTOcad release 11 or 12 (at least 2 years of experience) is required. MIL-SPEC knowledge and military avionics design experience helpful. A BS degree or equivalent and at least 5 years of experience is required.

RF Technician

Requires experience in the test and evaluation of electronic components and the ability to utilize RF equipment including oscilloscopes and network analyzers. An AS degree and at least two years of related experience also required. Familiarity with Smith Charts and impedance matching a definite plus.

Electro-Mechanical Technician

Requires familiarity with thermal testing of electronic devices per MIL-SPEC. Other essential skills include the ability to solder and perform electrical wiring, read schematics and conduct basic troubleshooting on electrical circuits. Must also have the ability use DVM and oscilloscopes. An AS degree (or advanced schooling) and at least two years of experience required.

SAWTEK can offer you exciting professional challenges, career growth potential and an excellent salary/benefits package. Qualified individuals should forward a resume with salary history for immediate, confidential consideration to: SAVtek, Inc., Human Relations Manager, P.O. Box 609501, Orlando, FL 32860-9501. Phone (407) 886-8860.

WELCOME!

New Members in the Section

The Orlando Section would like to welcome the following members who have joined the IEEE since September 1992.

- Peter B Atwall
- C J Arsenio
- Lisa A Ballard
- Robert J Sorensen
- Peter Baumgartner
- Chris Deforest
- Paul H Dover
- Dover Paul
- John T Oriel
- Syed M Hassaan
- Robert Ross
- Eric Koschmann
- Kimberly S McLaughlin
- Kevin L McLaughlin
- Charles I Perkinson
- Fred Piering
- Donald R Schmalz
- Richard P Schraifer
- Jil K Tolia
- Brian Wilkes
- Melanie Elliott
- Wilbur L Armstrong PB
- Sylvio T Pheuf
- Cianci Robert
- Mariam Mohsenin
- Kirk R Carter
- Richard S Harrell
- Kalevi Jardinen
- Julie P LeBlanc
- David W Norman
- Anh-Tuyen T Pham
- Marc C Sawyer

Members on the Move

The Orlando Section would like to welcome a number of IEEE members who have decided to find out why Central Florida is such a nice place to live. We hope you enjoy living and practicing your profession here. The Orlando Section invites you to participate in the activities of the Section.

- Aslamkhan F Khan
- Lawrence W Cook
- SatyaJit Dutta
- Max Jerozal Jr
- Arthur Sullivan
- Robert W Oliver
- John R Endicott
- Claire Koch
- David O Pietro
- Albert A Scalone
- Ronald R Rabbat
- Scott E Gilles
- J D Guinn
- Peter Schelbert
- J S Lavender Jr
- L L Thayer
- Wisam A Rabadi
- John J Wubbel
- David M Welke
- Russell L Jones
- Jon E Wright
The Orlando Section Monthly Advertisement Rates

The Orlando Section of the IEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key area industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ad and payment is the 1st Tuesday of the month preceding the month of publication.

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Please call the IEEE Orlando Voice Information Center to place your ads or mail your camera ready material and payment to:
IEEE Orlando Section
385 Commerce Way, Suite 101
P.O. Box 521917, Longwood, FL 32750
Tel.: (407) 260-1676, Fax: (407) 260-1636

EVENTS CALENDAR
For the latest and/or additional information call the IEEE Orlando Voice Information Center 260-1676, ext. 7 and enter the respective Voice Mailbox (VM) number.

Feb. 2  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashoor, (VM) 901, (O) 356-6914, (H) 539-0465
Feb. 17 IEEE Orlando Section - National Engineering Week - Essay Contest Awards Luncheon - H. Myler, (VM) 303, (O) 823-5098
Feb. 27 IEEE Orlando Section - Awards Banquet - Omni Orlando Hotel, J. Hines, (VM) 902, (O) 886-8860
Mar. 1-5 IEEE C - 9th IEEE Conf. On Artificial Intelligence for Applications - Disney Yacht & Beach Club Hotel, Orlando, (202) 371-1013
Mar. 2 IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashoor, (VM) 901, (O) 356-6914, (H) 539-0465
Mar. 9 IEEE CN - Help Your Family Have a Better Financial Future! - Orlando Public Library, J. Medina, (VM) 323, (O) 628-4828
Apr. 6 IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashoor, (VM) 901, (O) 356-6914, (H) 539-0465
Apr. 13 IEEE CN - University Commerce Connection - Orlando Public Library, J. Medina, (VM) 323, (O) 628-4828
May 3 IEEE IA - Industrial & Commercial Power Systems Annual Technical Conference - J. Beall (813) 376-2790

43rd ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE
Advance Registration Programs are available. Preregister now and save $100.00.

The ECTC Conference offers expanding coverage of technological innovations in the areas of design, materials, processes, quality, and manufacturing for devices components and systems. Advance Programs are available from: J. A. Bruerton, Publicity Chairman, KEMET Electronics Corporation, P.O. Box 5928, Greenville, S. C. 29606, Telephone: (803) 963-6621.

June 1 - 4, 1993
The Buena Vista Palace
Orlando, Florida
ORLANDO SECTION IEEE
EXECUTIVE COMMITTEE MEETING MINUTES

REGION 03, SECTION 05, COUNCIL 51
Volume IV, Number 7, Circulation 18

Date:        Feb. 2, 1993
Location:    Hewlett-Packard, 6177 Lake Ellenor Drive,
             Orlando, Florida 32809

Attendants:  Ikram Abdou          M. Ali Atashroo
             Laurie Dunn            Ed Ellis
             David E. Flinchbaugh   M. C. Germain
             Jackie Hines           Jorge Medina
             Glenn Portz            Kalpathy Sundaram
             Thomas Voor            Parveen Wahid

Proxies:     David King

1. Call to Order

The meeting was called to order at 6:08 P.M. by Ali Atashroo.

2. Chairman's Remarks - A. Atashroo

* Student Essay Contest - Dave King has not yet received any
  input yet; deadline is Feb 5; Ali has given out 4 forms. A
  copy of the contest information was sent to the Orange County
  School superintendent as well.

* The 1994 World Conference on Computational Intelligence will
  be held in Orlando (Walt Disney World Dolphin Hotel). Over
  2,000 attendees are expected. The section has been asked to
  provide personnel for several main functions:
  Dr. Ratan Guha - Operation Director
  Drs. Myler, Georgiopolous - Technical Activities on
  Neural Nets
  Ed Eveson - local arrangements
  Glenn Portz - Volunteer Organization
  This information has been sent to the National Neural Net
  Organization. In return for our services, we will receive 5% of
  the surplus from the conference.

* Sections Congress: Need about $300 from the section to fund
  trip to San Juan Puerto Rico July 1-4, 1993.
* The IEEE consultant network is doing fantastic - more from Jorge.

* The end of year financial summary and activity report were submitted to national on time.

* There will be a CHMT conference in Orlando June 3, 1993.

* The committee needs to discuss E-Mail as an option.

* The 1993 forecasts for section rebates total $5040 based on the number of members, not our activity level. The actual 1992 rebate was $5410.40. This year, a minimum of four meetings is required for a chapter to not enter a delinquent status.

3. Quorum/Agenda

* The session had quorum.

* The attached agenda was distributed.

4. Treasurer's Report - Parveen Wahid

* Parveen Wahid submitted the treasurers report for the period 5 Jan - 2 Feb, 1993. It was accepted.

5. Minutes of the previous meeting - Dave King

* The executive committee meeting minutes of Jan 5, 1992 were prepared and submitted by Dave King. The minutes were approved with a few corrections.

6. Vice Chairman's Report - Jackie Hines

* At the awards banquet, we will be introducing, but not inducting Dr. Malocha as an IEEE Fellow.

* The Dreyfus account is closed, a check has been mailed to Madjid Belkerdid ($66).

7. Chapters Chairman -

* Chapter Reports:

AES - Dave Flinchbaugh

- SME Industrial Laser Applications Conference being held this week at the Omni Hotel.

AP/MTT - Laurie Dunn

- Jeff Rollmann was selected as engineer of the year.
Talks are scheduled for Feb, Mar, and April, with the March talk being a distinguished lecturer.

COMPUTER - No report

COM/VT - Michael Germain

- Engineer of the year is Tony Acee; The chapter is having lunch meetings to help promote better participation.

ED/CHMT - Kalpathy Sundaram

- A letter was mailed to the 20 or so members of this chapter, asking about their interest in activities; currently waiting for replies. One meeting is scheduled in March.

LEOS - No report

NEURAL NET - Ali Atashroo for Mike Georgiopolous

- The group is very excited about the upcoming world congress in Orlando.

PE/IA - No report

- Ali asked about the seminar, and the status of the conference Bob Gray was looking into.

SP - Ikram Abdou

- 11 people attended the January meeting; Meetings are scheduled for Feb and March.

SRC - No report

UFFC - Tom Voor

- Rodolfo Almar was selected outstanding engineer; A meeting was held January 20 with a distinguished lecturer, 23 attendees; the next meeting is planned Feb 17 on Acousto-Optic Signal Processing.

CONSULTANTS NETWORK - Jorge Medina

- Ten people were at the last meeting; total membership is now 65; a constitution and code of ethics has been drafted; national directory is being formed; next meeting mid February. Currently formed under IEEE USAB, the group is eventually working towards national organization status. This USAB will probably oversee constitution and code of ethics integration at the national level.
8. Voice Mail - Jorge Medina
   - IEEE wants to get E-mail going for its members. University commerce connection can provide some services, Ali has several options. The University commerce center wants to make a proposal to IEEE for developing a system; please attend the April 13 meeting for Neural Nets, we want to get the capability by June.

9. Membership Development - Jorge (for Bob Smallwood)
   - We received a new list from headquarters, we now have 1348 members.

10. Awards - Jorge Medina
    - No report.

11. Programs - Jackie Hines
    - The awards banquet is set up for Feb 27 at the Omni Hotel. Please sign up for the banquet (sheet is being passed around), and please encourage new officers to attend.

12. Conferences - Ed Ellis
    - No report.

13. Strategic Planning Committee - No report

14. Publications - Jorge Medina
    - Ads from the computer society and Sawtek; next edition no ads, except the one full page promised to World Conference.
    - Deadline Friday for meeting announcements.

15. PACE - Glenn Portz
    - Glenn is still available for employment assistance, also active in World Congress.

16. Education - Kalpathy Sundaram
    - No report.

17. Video Library - Kalpathy Sundaram
    - A stamp with the return address ws gotten for our videos. We are buying 14 new videos ($1447.41), plus 3 more for $232 from the Computer Society. These include on on desktop publishing. A few videos are currently out, but only one person has 3 that are seriously overdue. Forms
will be modified to say that a late fee will be charged if videos are not returned within 1-2 months of borrowing.

18. Old Business
   - None.

19. New Business
   - The Sections Chairmans Conference will cost $500 to attend, $200 funded by FC IEEE. The remaining $300 was approved by section as an expense.

20. Adjourn
   - The meeting was adjourned at 7:30 P.M.

21. Next Executive Committee Meeting
   - Tuesday, March 2, at Hewlett-Packard
     6177 Lake Ellenor Drive, Orlando FL 32809
     Tel No. (407) 859-2900

Respectfully Submitted

Jacqueline H. Hines
Section Vice Chairman
IEEE Orlando Section
Date: Feb. 7, 1993
Location: 1512 Indian Dance Court, Maitland, Florida 32751
Attendants: M. Ali Atashroo
Jackie Hines
Jorge Medina
Parveen Wahid
Proxies: David King

1. Call to Order

The meeting was called to order at 3:20 P.M. by Ali Atashroo.

2. Executive Board discussion of awards process and renunciation of award by Dr. Belkerdid.

* Jorge Medina reviewed the requirements of the Awards Committee Chairman and the Bylaws from National, along with Region III awards rules
   * Currently, there are several thing discussed in the operations guide which the section is not doing, although our basic awards process is in keeping with the guidelines in all of the above mentioned sources.
   * The section needs to revise our Bylaws to more clearly state our awards criteria and process, including perhaps such things as having the Awards Chairman establish a fixed Awards Committee at the beginning of the year (August), and also to establish revision levels and dates for the bylaws. It was noted the Dr. Sundaram, as the Education committee chairman, should have a vote on the Executive Committe. Currently this positoin is not a voting one, although Dr. Sundaram votes in his capacity as a chapter chairman.

3. Quorum/Agenda

* The session had a quorum of the Executive Board.
* The attached agenda was distributed.

4. Vote on renunciation of award by Dr. Belkerdid.

* Dr Belkerdid verbally declined to accept the Outstanding Engineering Educator award for 1993, and his renunciation of the award was unanimously accepted.

* The Outstanding Engineering Educator award for 1993 will be awarded in succession to the next most highly rated award nominee, based on the scores arrived at by the Awards Committee. These scores are as follows:

Dr. Belkerdid: 98.0%
Dr. Christodoulou: 93.1%
Dr. Yuan: 77.8%

Based on these scores, the award will now be presented to Dr. Christodoulou.

5. Review of Correspondence with Dr. Tzannes, Dept. Director for the Electrical & Computer Engineering Department at UCF.

* The original nomination deadline was January 15, however following a phone conversation with Dr. Tzannes, Jorge extended this deadline to January 30, 1993. The nomination of Dr. Christodoulou by Dr. Sundaram had been received prior to the initial deadline, however Dr. Tzannes' nomination package for Dr. Christodoulou was not received until February 1. Jorge decided to accept the package despite its lateness, and the fact that it could have been disqualified.

* The Awards committee decision to name Dr. Belkerdid as Outstanding Engineering Educator for 1993 caused Dr. Tzannes to be concered, since due to a miscategorization of Dr. Belkerdid in the monthly newsletter, it appeared that he was a member of the Executive Board, and would thus be ineligible for this award. During a phone call to Jorge Medina to discuss his concerns, Dr. Tzannes stated that [we] "had violated our bylaws, and that he would go ta National and complain", and that Jorge had "purposefully hidden his nomination from certain members of the awards committee", or words to that effect. In addition, Dr. Tzannes claimed that in the past he had always received a letter requesting his nomination. The only letter which could be found in the section records was a letter sent requesting nominees for the outstanding student awards. In response to Dr. Tzannes concerns, the enclosed letter was drafted jointly by the executive board, and sent to Dr. Tzannes by the awards committee chairman, with copies as noted to the significant parties involved.
19. Adjourn

- The meeting was adjourned at 5:25 P.M.

Respectfully Submitted

[Signature]

Jacqueline H. Hines
Section Vice Chairman
IEEE Orlando Section
February 15, 1993

Dr. N.S. Tzannes
Chairman of the ECE Department
University of Central Florida
Orlando, Florida 32816-0450

Dear Dr. Tzannes,

The purpose of this letter is to give you the detail of the procedure used in the selection of Dr. Madjid Belkerdid as the Outstanding Engineering Educator.

The voting took place after the last Orlando Section Executive Committee meeting held on February 2nd. The members of the Awards Committee were present consisting of the following Executive Committee members:

Orlando Section Executive Board:
Dr. Ali Atashroo, Chairman
Jacqueline Hines, Vice Chairwoman
Dr. Parveen Wahid, Treasurer

Committee Chairmen:
Jorge Medina, Awards Chairman
Ed Ellis, Conference Chairman
Bob Smallwood, Membership Development Chairman
Glenn Portz, PACE Chairman

Society Chapter Chairmen:
Dr. Kalpathy Sundaram, ED/CHMT Chairman
Laurie Dunn, AP/MTT Chairwoman
Michael Germain, COM/VT Chairman
Dr. Ikram Abdou, SP Chairman
Thomas Voor, UFFC Chairman

The Outstanding Engineering Educator nominees were:

Dr. Jay S. (Peter) Yuan
Dr. Christos G. Christodoulou
Dr. Madjid Belkerdid

As in the past, nominations for Outstanding Engineering Educator Award were received from more than one single source.
Each Awards Committee member was given a copy of the nomination papers for each candidate as well as an evaluation form for them to fill out. All scores were weighted and the highest score was found to be that of Dr. Madjid Belkerdid. (These evaluation forms are available at any time for review).

We would like to clarify why Dr. Belkerdid's nomination was duly accepted. As Senior Past Section Chairman, Dr. Belkerdid is a member of the Executive Committee as stated in our Bylaws, page 10, paragraph 051.5 (please see attached copy), but not a member of the Orlando Section Executive Board. The Executive Board, as defined on page 11, paragraph 061 "shall consist of the four elected officers and the duly elected group Society Chapter's Representative."

The Orlando Section Monthly lists the two most recent Past Chairmen as part of the Executive Board. This is INCORRECT. They should appear listed under Executive Committee, as stated in the Bylaws. We acknowledge this error and regret any misunderstanding regarding the selection process which it might have generated. This situation will be corrected in our next IEEE Orlando Section Monthly issue and we wish to thank you for bringing it to our attention.

It is with regret that IEEE Orlando Section Executive Board and the Awards Committee Chairman accept Dr. Madjid Belkerdid's decline of the Outstanding Educator Award. Dr. Belkerdid put the IEEE Orlando Section image ahead of his own interests. His action reflects his merits and is well recognized by his colleagues.

Based on Dr. Belkerdid's decline of the Outstanding Engineering Educator award, Dr. Christos Christodoulou, who was ranked second by the Awards Committee will now be the Outstanding Engineering Educator for 1993.

We sincerely hope this letter will alleviate any doubts or misconceptions regarding the selection process.

Best Regards,

Jorge Medina
Awards Chairman
IEEE Orlando Section

Attachment: Bylaws of the IEEE Orlando Section

cc: Orlando Section Executive Board:
  Dr. Ali Atashroo, Chairman
  Jacqueline Hines, Vice Chairwoman
  Dr. Parveen Wahid, Treasurer
  Dave King, Secretary
  Jeff Rollman, Chapters Chairman

Dr. Madjid Belkerdid
Dr. Gary Whitehouse, Dean COE, UCF
IEEE Orlando Section, Awards Committee members
IEEE Headquarters, Awards and Recognition Board
IEEE ORLANDO SECTION - TREASURER'S REPORT 2 MAR 1993

Checking account balance (2 Feb Treasurer's rpt.) $10,503.45

DISBURSEMENTS
1045 2-Feb-93 Ikram Abdou - Jan SP mtg. $29.00
1046 2-Feb-93 Medina Software - Newsletter $1,065.00
1047 2-Feb-93 Wahid - Wet & Wild refund, mailing $11.95
1048 2-Feb-93 Jackie Hines - mailing UFFC $9.25
1049 9-Feb-93 VanStryland - LEOS Feb mtg. dinner $91.78
1050 9-Feb-93 Center for Exec. Dev. UCF - LEOS Jan mtg. $50.00
1051 9-Feb-93 Ron Sartan - NNWG Oct mtg $58.59
1052 16-Feb-93 Sundaram - Plaques, essay contest $184.95
1053 16-Feb-93 Sundaram - Savings bond, essay contest $425.00
1054 16-Feb-93 Sundaram - Video storage box, labels $17.99
1055 23-Feb-93 Debra Kemnitz - Outstanding UG student $100.00
1056 23-Feb-93 Ron Rabbat - Outstanding Grad student $100.00
1057 23-Feb-93 Steven Dick - Outstanding SRC Grad student $100.00
1058 23-Feb-93 Scott Harrel - Outstanding SRC UG student $100.00
1059 23-Feb-93 Marc Levenson - Hotel, LEOS Jan mtg $123.20
1060 23-Feb-93 Michael Dodane - PE/IA mailing $37.97
1061 24-Feb-93 Medina Software - Newsletter, labels $710.74
1063 26-Feb-93 Sundaram - Video storage box, labels $12.06

Total Expenses $3,227.48

DEPOSITS:
12-Feb-93 Advt. - Thompson Recruiting $225.00
23-Feb-93 Advt. - Shorewood Group $300.00
31-Jan-93 Interest $19.19

Total deposits $544.19

SUMMARY:
Checking account balance (2 Feb Treasurer's rpt.) $10,503.45
Less Disbursements $3,227.48
Add deposits $544.19

$7,820.16
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<tr>
<td>Checking account balance (2 Mar Treasurer’s rpt.)</td>
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<td>Vanguard Short Term Treasury</td>
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<td><strong>TOTAL LIQUID ASSETS</strong></td>
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Respectfully Submitted  
Tuesday, 2 March 1993

Parveen Wahid  
IEEE Orlando Section Treasurer
Greetings from the Chairman

It is with pleasure and pride that I invite you to SECTIONS CONGRESS '93. As SC'93 Chairman, 1992 Vice President for Regional Activities, and a native Puerto Rican, I am especially proud to chair what we fully expect will be the best SECTIONS CONGRESS yet.

As we move ever closer to the 21st century, the electrotechnology profession has received a mandate from mankind: improve the quality of our lives without impairing the quality of our Earth. Through a strong IEEE we can work to accomplish this worthy goal.

SECTIONS CONGRESS '93 will provide an excellent opportunity to strengthen the IEEE. It gives IEEE volunteers from all over the world an opportunity to network and strengthen the bonds of membership in our Institute. It provides an opportunity for our local officers to learn how to utilize the resources of the IEEE to maximize their effectiveness as IEEE volunteer leaders. And, it gives the IEEE leadership an opportunity to learn what is important to the membership of our Institute.

Come to SECTIONS CONGRESS '93. Be part of an event which will lead to an even stronger, even better IEEE.

Luis T. Gandia
Chairman
SECTIONS CONGRESS '93

The Reasons

Why a SECTIONS CONGRESS '93? Because since the first one in 1984, each Sections Congress has proven itself to be extraordinarily valuable to the IEEE. It is the one occasion where the IEEE grassroots leadership from all 10 Regions have an opportunity to network and learn from each other, to increase their leadership skills and working knowledge of the IEEE and to express their opinions and concerns in the form of Congress outcomes which are used by the IEEE boards to steer the Institute into the future.

The discussion topics, from plenaries to breakout sessions, were determined by local IEEE leaders through the results of a 1991 questionnaire which every Section Chair had an opportunity to complete. The theme, Empowering Sections to Serve Members, was distilled from the subjects which were deemed most important by the Chairs who responded. The bottom line: SECTIONS CONGRESS '93 will be addressing what is important to you.

By attending SECTIONS CONGRESS '93, you can play a very real role in shaping the IEEE of tomorrow.

The Location

SECTIONS CONGRESS '93 will be held at the Caribe Hilton Hotel in San Juan, Puerto Rico. The casual ambiance and agreeable climate of San Juan will contribute to the shirt-sleeve, get-down-to-business atmosphere of SC'93 while providing you with comfortable and gracious surroundings in which to work.

If you plan to extend your stay in Puerto Rico, you will find it a vacationer's paradise. Puerto Rico is filled with lots of sun, sports, shopping, scenery, nightlife and culture, both old and new. It even has its own tropical rain forest. Just blocks away from the Caribe Hilton is Old San Juan, a thriving center of historical landmarks and cultural events, not to mention fabulous shopping, exciting nightlife and much, much more.

Puerto Rico is justly famous for its wonderful Spanish heritage. But, did you know that cultures from around the world have left their mark on the island? Since it has been inhabited, the Taíno Indians, the West Africans, the French, Corsicans and other Europeans, Arabs, Asians and Americans have all influenced today's Puerto Rico. What a great location for a transnational event like Sections Congress!

Come to Puerto Rico for SC'93 and stay on to enjoy the island!
The Mechanics

The SECTIONS CONGRESS '93 schedule is designed to be delegate-friendly. Each of the three plenaries, on Friday morning, Friday afternoon and Saturday morning, is followed by two Breakout time slots. In addition, there are two more Breakout time slots on Saturday afternoon. There will be numerous Breakout sessions, consisting of Tutorials and Workshops, in each time slot totaling as many as 80 sessions during the Congress. The most popular sessions will be held more than once, in different time slots, to allow delegates to attend the sessions of their choice.

SECTIONS CONGRESS '93 discussion topics are divided into three Tracks: Section Management/Operations (the Red Track), includes topics such as Membership Development and Retention, Section Newsletter: Purpose and Logistics and Employer Support of Sections. Section Management/Activities (the Gold Track) addresses Program Development, Unemployment and Entrepreneurial Projects, among others. Sections/Societies, Technology, and Professional Concerns (the Blue Track), deals with Global Competitiveness, Society Support for Chapters, and The Image of the Engineer. Each Breakout session will be identified as belonging to one of the three Tracks. You may choose to follow a single Track throughout the Congress.

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<tr>
<th>Date</th>
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<th>Event</th>
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<tr>
<td>THURSDAY, JULY 1, 1993</td>
<td>2:00 - 4:00 pm</td>
<td>Training (for Facilitators only)</td>
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<td></td>
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<td>Orientation (Optional)</td>
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<tr>
<td></td>
<td>2:00 - 2:50 pm</td>
<td>Session I</td>
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<td>7:30 - 8:30 pm</td>
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<td>Reception</td>
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<td>7:00 - 11:00 pm</td>
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<td>2:45 - 3:40 pm</td>
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<td>4:00 - 5:00 pm</td>
<td>Region Caucuses</td>
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<td>SUNDAY, JULY 4, 1993</td>
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<tr>
<td></td>
<td>11:15 - Noon</td>
<td>Voting Results, Closing Remarks</td>
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Funding and Costs

SECTIONS CONGRESS '93 is sponsored by the IEEE Regional Activities Board. As such, SC'93 has been budgeted funds to help invited Section delegates defray the cost of attending the Congress. What follows is information about who is eligible to accept SC'93 funding and what SC'93 funding does and doesn't cover. Your Region, Section, Society, Chapter or other entity may be able to provide additional funding.

Who?  Primary Section delegates (one per Section) are the only people who are eligible to receive funding (which is allocated and disbursed through their Regions) from the SC'93 budget. The target delegate is the Section Chair.

What?  The following items are covered for the primary Section delegates:

1. All meeting costs, official social functions and sponsored meals. These charges will not be billed to the delegates. They are paid directly by SC'93. Included are:
   - Social events (incorporating evening meal): Thursday evening and Friday evening
   - Meals: Friday breakfast and lunch, Saturday breakfast and lunch, Sunday breakfast
   - Refreshment breaks during meeting sessions on Friday, Saturday and Sunday

2. Travel expenses for primary delegate to and from San Juan as allocated and distributed by Regions.

Who may attend SC'93?  Any IEEE volunteer is welcome, however, funding through the SC'93 budget is only available to one primary delegate per Section, who should be the Section Chair if possible. Guests of members may attend, but they, of course, are not funded.

What about funding for facilitators, speakers and presenters who are not primary Section delegates?  Funding from the SC'93 budget is limited to the primary Section delegates. Funding for all others must come from other sources. If a Region or Board proposes speakers or facilitators, that entity will subsidize them.

What about funding for Board, Region, Society, Chapter or Section officers other than the primary delegates?  They also must be funded by alternate sources. Funding for non-eligible attendees must come from the Boards (EAB, PUB, RAB, STD, TAB or USAB) the Section, Society, Chapter, Council, Region or other IEEE entity, from corporate or other sponsorship, or from the attendee.

What costs are not covered by the SC'93 budget, even for primary Section delegates?

- The difference between the transportation subsidy (if applicable) and the full cost of the air fare
- Saturday evening meal (free night), snacks, any meals or social functions not sponsored by SC'93, such as Region, Society or other functions and meals, meals before the Opening Ceremony on Thursday night, July 1, and after the Closing Ceremony on Sunday, July 4.
- Room charges and other ground expenses, estimated at approximately $500 (including Saturday evening meal) for a three night stay. Room charges (including tax) will be approximately $130/night for one or two people, plus gratuities. Other expenses would include: transportation to and from the airports, personal and incidental expenses.

All the non-covered expenses must be paid directly by the attendee or the attendee's sponsor. They are not billed by the provider (the hotel or restaurant, for instance) to SC'93.

Are there other costs?  For individuals other than the primary Section delegate, including facilitators and speakers, there is also a meeting fee of $235, which includes admission to all SC'93 sessions, all official meals and social functions.

For those involved in the Partners Program, a fee of $175 includes a tour of Old San Juan, use of the Partners Lounge (which will serve refreshments during the day), an orientation program and a continental breakfast on Friday, Saturday and Sunday mornings in addition to the social events on Thursday and Friday evenings.

Organizing Committee
Luis T. Guadia, Chairman  Robert P. Noberini, Program Chairman
William Rodriguez, Treasurer  Melvin I. Olken, Staff Director, Field Services

Program Committee
Robert P. Noberini, Chairman  Robert Dent  Cecelia Jankowski  Roger Sullivan

Local Arrangements
Carlos Rivera Abrams

Staff Support
Susan Sacks, Coordinator, SC'93  Terry H. Burns  IEEE Field Services Staff

Program Committee Liaisons
EAB  Ed Parrish  Bob Kahmann  STD  Don Loughey  Terry de Courcelle
PUB  Ron Hoelzeman  Dudley Kay  TAB  Don Bolle  Laura Jobmann
RAB  Bob Noberini  Mel Olken  USAB  Jim Watson  Ann Hartfield
SC'93 or you may mix the sessions as you please. In addition, each Track is used as a springboard for one of the three plenaries.

On Saturday afternoon, time has been set aside for Region Caucuses. Delegates from each Region can meet to discuss how, after they return home, they will implement what they learned at SECTIONS CONGRESS '93. It is also an opportunity to discuss how outcomes defined during SC'93 will affect each Region.

Since networking is a very important part of SECTIONS CONGRESS '93, we have made sure that there is adequate opportunity for you to talk informally with other delegates. Following the Opening Ceremony on Thursday evening, there will be a reception on the hotel grounds. Friday evening will feature a fun-filled Puerto Rico Night Fiesta, and Saturday evening has been left open, so that you can make plans of your own or join other IEEE groups who will be hosting get-togethers. And, of course, meal times are planned to allow you time to interact with fellow attendees. SC'93 is a wonderful opportunity to meet IEEE Section officers from all over the world, to compare notes and experiences, to learn and to teach, and just to get to know one another.

In addition to the formal program elements, SC'93 will feature exhibits with information, merchandise, publications and literature available to attendees. There will be demonstrations and instructions of the Membership Data Diskette Program, E-mail, the Financial Officers Software, newsletter production and more.

The outcomes generated by the SECTIONS CONGRESS '93 Workshops will be in the form of specific, practical Recommended Actions. Delegates will have the opportunity to assign a priority level to each Recommended Action on Sunday morning. The consensus of the Congress will be announced as part of the closing functions, and the results forwarded to the IEEE leadership for use in strategic planning.

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**PARTNERS PROGRAM**

**Bring your spouse or companion to SC'93.** There are great IEEE social events and special activities for those registered in the Partners Program, as well as a whole island full of wonderful things to do!

All participants in the Partners Program are invited to the SC'93 Opening Ceremony and reception on Thursday evening, the gala Puerto Rico fiesta on Friday evening and the Closing Ceremony on Sunday morning.

The Local Arrangements Committee, consisting of members of the Puerto Rico and Caribbean Section and the Western Puerto Rico Section, have planned the following activities and programs for spouses and companions.

**Continental Breakfasts on Friday,**
Saturday and Sunday mornings

**Orientation, including information on things to do, where to do them, how to get there, and more**

**Escorted tour of Old San Juan**

**Partners Lounge with light refreshments, open during Congress meeting hours**
In addition, partners of the local IEEE members will be available in the Lounge to answer questions, help you with language translations, accompany you on some excursions and provide you with information and literature.

A schedule of events will be sent to you after your registration is received.
Congress Registration

All attendees and guests, including delegates, speakers and others, must register in advance, using the attached registration form.

Completed registration forms must be received by Field Services no later than May 1, 1993. You are strongly encouraged to return your forms as early as possible to ensure that you will receive advance information and updates as they become available.

There is no registration fee for the one primary delegate from each Section. Other delegates must pay a fee of $235 (US). The spouses and companions registration fee is $175. The registration fees must accompany your completed form. Please see Funding and Costs for details.

Hotel Registration

For the convenience of Congress participants, a block of sleeping rooms has been reserved at the Caribe Hilton Hotel. The special Congress room rate is $119 (US) per night, single or double occupancy, plus 9% tax. In order to qualify for the special rates and guarantee room availability, your reservation must be made by completing the attached form and returning it to the SC’93 Coordinator in IEEE Field Services by May 1, 1993. Room upgrades to the executive floor (with concierge and refreshments) are available at the special rate of $139 single/$149 double per night.

You will receive your reservation confirmation directly from the Caribe Hilton. The hotel will ask you for one night’s deposit via check or charge to guarantee your reservation.

If you wish to extend your stay in Puerto Rico, you may take advantage of the special Congress room rate for the three days before and three days after the Congress.

For Your Planning

If you arrive before check-in time (3:00 pm), your bags can be stored for you in a secure area. Courtesy rooms will be provided for those guests who wish to change clothing after their early arrival. (Be sure to have your change of clothing in an easily accessible bag.) Bags will also be stored for those who must check out well in advance of their departure for the airport.

The weather in Puerto Rico is expected to be warm and sunny, with temperatures usually in the high 80s F (28 - 32° C). The sun is strong, so be prepared with sunblock or protective clothing. Casual clothing is accepted all over the island, though bathing suits and very brief shorts should be confined to the beach or pool areas. SC’93 will be a shirt-sleeve meeting with the exception of the opening ceremony, where business attire is appropriate. Puerto Rico is a commonwealth of the United States and recognizes the US dollar as its currency. Remember that the Congress is being held over a US holiday weekend, Independence Day (July 4). Why not celebrate it in Puerto Rico?

Airport Transportation and Travel Arrangements

The Caribe Hilton is approximately 7 miles from San Juan Airport. A cab ride will take from 15 to 30 minutes, depending on traffic, and will cost $10 - $15 (US), plus tip. There are also van services at the airport which will take several passengers to destinations in the same general locale, and cost less.

Travel arrangements may be made through the official IEEE travel agency, or your own travel agency.

US citizens arriving from a US point of departure do not need proof of citizenship. Others will require their usual documents to gain entry into the United States.

For Additional Information

If you have questions or require additional information about SC’93, please contact your Region Director, a member of the SC’93 Program Committee, or

Susan Sacks, Coordinator
SECTIONS CONGRESS '93
IEEE Field Services
445 Hoes Lane, PO Box 1331
Piscataway, NJ 08855-1331
Voice: 908-562-5512  Fax: 908-463-3657
E-mail: s.sacks@ieee.org  Telex: 833233
REGISTRATION

SESSIONS CONGRESS '93

This form will be used to register you for SC'93 events. It does not register you for a room at the Caribe Hilton Hotel. Please fill in the form on reverse side to register for a hotel room.

Each SC'93 attendee (except Partners Program participants) must fill in a separate SC'93 registration form whether you are roaming alone or sharing a room. If you are sharing a room with another delegate, you will only need to fill out one hotel registration form for the two of you.

Name: 

Section: 

Address: 

City State/Province 

Zip/Postal Code Country 

Phone: Fax: E-mail: 

I am participating in SC'93 as: (you may check more than one)

☐ the primary delegate from my Section. 

☐ an additional delegate from my Section

☐ a speaker, facilitator or case study presenter

Please specify session

☐ a Society representative

Please specify 

☐ a Chapter representative

Please specify 

☐ an IEEE officer (from other than a Section or Chapter)

Please specify title and entity 

☐ other—please specify 

☐ I will have a guest who will participate in the Partners Program.

His/Her name is 

(Please include $175 (US) Partners Program registration fee)

PAYMENT

You may pay your Congress registration fee (if applicable), and Partners Program registration fee (if applicable) by credit card or check (made out to IEEE, and drawn on a US bank in US dollars).

Please check appropriate boxes.

I am paying for: ☐ registration fee ($235) ☐ Partners Program fee ($175) Total: $ 

☐ Please charge my ☐ American Express ☐ VISA ☐ MasterCard ☐ Dinners Club 

Name 

Card No. Exp. Date 

Signature 

☐ Enclosed is a check for the amount above (made out to IEEE and drawn on a US bank in US dollars.)

Hotel registration form is on the reverse side.

Please send completed form to: Susan Sacks, IEEE Field Services, 445 Hoes Lane, PO Box 1331 Piscataway, NJ 08855-1331, Fax: 908-465-3657
Use this form to register for a room at the Caribe Hilton Hotel. You need only one form per room.

Name ____________________________

Address ____________________________

City ____________________________ State/Province ____________________________

Zip/Postal Code ____________________________ Country ____________________________

Please check appropriate box:

☐ I am NOT sharing a room

☐ I am sharing a room with:

______________________________

Please indicate whether ☐ partner or ☐ delegate

Please indicate: ☐ One king-sized bed ☐ Two double beds

☐ Please upgrade me to the executive floor. I understand the rate is $139 single/$149 double per night plus tax.

Flight Arrival Information: Date: ______________ time: ______________ am/pm

Flight# ____________________________ Airline ____________________________ From ____________________________

Departure Date: ______________ time: ______________ am/pm

Room rates are $119 (US) plus applicable tax, single or double occupancy. Upgraded rooms on the hotel’s executive floor are available at the special rate of $139 single/$149 double plus tax. Regulations require that the hotel add a gratuity to your bill of $3.50 for the bell service (per person) and $.25 per night per person for the maid service. You may tip directly as well if the service warrants it. Guest check-in time is 3:00 pm. Checkout time is noon. Reservations are not transferable. In order to guarantee your reservation, a deposit equal to one night’s stay is required by the hotel. The hotel will ask you for the deposit when they send you your room reservation confirmation. Please send your deposit directly to the hotel when it is requested.

YOU MUST MAKE YOUR RESERVATIONS THROUGH FIELD SERVICES (BY MAY 1, 1993)

TO QUALIFY FOR THE SPECIAL CONGRESS RATE.

PLEASE DO NOT RESERVE DIRECTLY WITH THE HOTEL.

Please send completed form to: Susan Sacks

IEEE Field Services

445 Hoos Lane, PO Box 1331

Piscataway, NJ 08855-1331

Fax: 908-463-3657
<table>
<thead>
<tr>
<th>ITEM</th>
<th>MINUTES</th>
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<tbody>
<tr>
<td>1. Call to order</td>
<td>1</td>
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<tr>
<td>2. Chairman's Remarks</td>
<td>ALI ATASHROO* 5</td>
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<tr>
<td>3. Quorum/Agenda</td>
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<td>4. Chapter Reports:</td>
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<tr>
<td>AES</td>
<td>DAVE FLINCHBAUGH* 2</td>
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<td>AP/MTT</td>
<td>LAURIE DUNN* 2</td>
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<td>COMPUTER</td>
<td>ED EVENSON* 2</td>
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<td>COM/VT</td>
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<td>ED/CHMT</td>
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<td>LEOS</td>
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<td>JIM PIPKIN* 2</td>
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<td>HARLEY MYLAR* 2</td>
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<td>TOM VOOR* 2</td>
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<td>DEBRA KEMNITZ 2</td>
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<td>CONSULTANTS NETWORK</td>
<td>JORGE MEDINA* 2</td>
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<td>5. Treasurer's Report</td>
<td>PARVEEN WAHID* 5</td>
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<td>6. Minutes of previous meeting</td>
<td>DAVE KING* 5</td>
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<tr>
<td>7. Vice Chairman's Report</td>
<td>JACKIE HINES* 2</td>
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<td>8. Chapter's Chairman</td>
<td>JEFF ROLLMAN* 2</td>
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<td>9. Voice Mail</td>
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<td>10. Membership Development</td>
<td>BOB SMALLWOOD* 2</td>
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<td>11. Awards</td>
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<td>12. Programs</td>
<td>JACKIE HINES 2</td>
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<tr>
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<td>ED ELLIS* 1</td>
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<td>14. Strategic Planning Committee</td>
<td>DAVE KING 2</td>
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<td>15. Publications</td>
<td>JORGE MEDINA 2</td>
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<tr>
<td>16. PACE</td>
<td>GLEN PORTZ* 1</td>
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<td>17. Education</td>
<td>KALPATHY SUNDARAM 3</td>
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<td>19. New Business</td>
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<td>20. Adjourn</td>
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<td><strong>Total</strong></td>
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</tbody>
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* Voting Officers: Total 19

Quorum 9+1=10
Meeting Announcements

Unless otherwise stated, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

ANTENNAS AND PROPAGATION/ 
MICROWAVE THEORY AND TECHNIQUES

Radiometric Imaging Systems and Applications

Speaker: MTT-S Distinguished Lecturer
Professor Paul F. Goldsmith, Cornell University
Date: Wednesday, March 24th, 1993
Time: 5:30 PM Refreshments, 6:00 PM Meeting
Location: Hewlett Packard, 6177 Lake Ellenor Drive, Orlando
Contact: Laurie Dunn (1-407-867-3193), Bob Smallwood (826-9217) or leave message at 260-1676, ext. 7, Voice Mailbox 223.

ELECTRON DEVICES/ 
COMPONENTS, HYBRIDS AND 
MANUFACTURING TECHNOLOGY

Device Modelling of 
Heterojunction Bipolar Transistors

Speaker: Dr. J. Liov, University of Central Florida
Date: Tuesday, March 30th, 1993
Time: 6:30 PM
Location: UCF Engineering Building Room 407
Contact: Dr. K. B. Sundaram 823-5326, or leave message at 260-1676, ext. 7, Voice Mailbox 263

SIGNAL PROCESSING

Discussion of the Book  
"Computer Imaging Recipes in C"

Speaker: Dr. Harley Myler, UCF
Date: Thursday, March 11th, 1993
Time: Meeting at 5:30 PM. Refreshments will be served.
Location: UCF Engineering Building Room 288
Contact: Dr. Ikram Abdou at 356-0322 or leave message at 260-1676, ext. 7, Voice Mailbox 233.

POWER ENGINEERING/ 
INDUSTRY APPLICATIONS SOCIETY

Transmission EMF in Florida

Speaker: Mr. Hamilton Owen
Florida Department of Environmental Regulation
Date: Tuesday, March 16th, 1993
Time: 7:00 to 8:30 PM Technical Presentation
(No dinner scheduled)
Location: OUC Pershing St. Training & Meeting Room
(Pershing St. between Semoran (436) and Goldenrod in SE Orlando)

CONSULTANTS' NETWORK

Help Your Family Have a Better Financial Future!

Program: This talk will show you how to:
• Start your own Individual Retirement Account (IRA)
or other qualified retirement plan
• Save for your child's college education
• Cut your life insurance costs
• Understand and use mutual funds
• Consolidate your debt and lower your monthly cash outlay

Speaker: Marjorie H. Bond, Regional Vice President of Primerica Financial Services
Date: Tuesday, March 9th, 1993
Time: Meeting at 6:00 PM
Location: Orlando Public Library, 3rd Floor
Contact: Call Jorge Medina at 628-4828 for reservations or leave message at 260-1676, ext. 7, Voice Mailbox 323.
IEEE ORLANDO SECTION
Region 3 Council 05 Section 51

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UFFC: Thomas E. Voor, Sawtock Inc. (VM) 283, (O) 686-8860, (H) 267-1146

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Neural Network: Dr. M. Georgiopoulost (VM) 913, (O) 823-5398, (H) 275-2265

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PACE: Glenn Portz, (VM) 912, (O) 644-2408
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Strategic Plan: Dave King, Datacube, Inc. (VM) 915, (O) 882-9094, (H) 628-4462
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Sr. Past Chair.: Dr. Madjid Belkerid, UCF (O) 823-5793, (H) 699-4890

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Chairman: Debra Kemmitz, UCF (VM) 93, (O) 658-4595
SRC: Scott Harrell, UCF (VM) 93, (O) 366-7952

IEEE ORLANDO INFORMATION CENTER
Voice Mail: (407) 260-1676, Fax: 260-1636

M. Ali Atashroo, Section Chairman

CHAIRMAN’S CORNER

The Engineering Essay Contest steering committee, Dr. Harley Myler, Dr. Kalpathy Sundaram, and David King received entries from Cypress Creek, Evans, Jones, Oakridge, and Oviedo high schools by February 5th, 1993. At the time of this writing, the entries were being judged by a panel of engineers and educators who will report on the outcome in the next issue of The Orlando Section Monthly. The Essay Contest announcement, official rules, and the official entry form were mailed to the principals of Lake, Orange, Osceola, Seminole, and Sumter County High Schools. The Essay Contest was also publicized through announcements in the Orlando Sentinel newspaper, closed-circuit TV at Martin Marietta, Westinghouse, UCF, and Orange County high schools superintendent’s office. The essay theme that was Engineering Energy and Ideas was open to high school students grades eleven and twelve. Winners and sponsors would be notified the week of February 8th and invited to an awards luncheon Wednesday, February 17th, 1993 during National Engineering Week. The prizes were $500, $250 and $100 U.S. saving bonds for the first, second, and third places, respectively. The IEEE Orlando Section, Westinghouse Corp., and University of Central Florida sponsored this essay contest.

According to our bylaws, it is that time of the year to start the election process of new officers (7/193-6/30/94) for the IEEE Executive Board who will be installed in our annual Installation Banquet in June, 1993. Section 061, page 13 states The [executive] board shall consist of the four (4) elected officers and the duly elected Group/Society Chapters representative. The four elective offices of the Sections are: Chair, Vice Chair, Secretary, and Treasurer. Per our bylaws, I am appointing Ed Ellis, Jorge Medina, Glenn Portz, and Bob Smallwood to Nomination Committee to present its slate nominees by our next Executive Committee meeting. Furthermore, Section 043, Page 9 of our bylaws states The Section membership may make additional nomination by submitting qualified petitions. A qualified petition shall meet the following conditions: a) Specify the office, b) Bear the signature of at least 15 voting Section members, c) Contain statement of nominee’s consent to serve, d) State nominee’s qualifications and biography, e) Be delivered to the Section Chairman on or before 1 April, 1993.

In April’s Executive Committee meeting, I will appoint an Election Committee to carry out the election process.

Please note the distinction between the Executive Board elected officers and the Executive Committee members which are listed correctly in this Orlando Section Monthly reflecting our bylaws. Section 050, Page 11 states that the Executive Committee, the Section’s governing body, shall include the Executive Board, Chairmen of each Society chapter, Chairmen of Standing committees, and the two most recent past chairmen of the Section who are willing and able to serve on the Executive Committee.

The IEEE Neural Network Council is holding its World Congress on Computational Intelligence on June 25 - July 4, 1994 at Walt Disney Dolphin Hotel next to EPCOT. There will be four International Conferences on Neural Networks, Fuzzy Systems, Evolutionary Systems, and Virtual Reality Technology with an attendance estimate of over 2,000. Dr. Charles J. Robinson is the general chairman of the World Congress. For technical or social involvement with the World Congress contact the IEEE Orlando Section’s team of volunteers Dr. Ratan Guha (Operation Director, 823-2311), Dr. Edwin Evenson (Local Arrangement, 660-6116), Dr. Michael Georgiopoulos (Technical Activities, 823-5338), Dr. Harley Myler (Technical Activities, 823-5098), and Glenn Portz (Volunteer Coordinator, 644-2408).
There's something more important than better technology... better business decisions!

Drawings and Doorprizes including one SPARClassic to be given away each day of the show!

Keynote Speakers
James Stikeleather  
Director of Systems Development  
Kash & Karry Foodstore  
Rightsizing Case Study: A real-world example  
The benefits of client server computing and proper planning for IS departments.

Gary R. Ware, Col. USAF, Ret.  
From his experience as Senior Analyst on Gen. Norman Swartzkopf’s staff, Col. Ware will speak on the computer analysis and wargaming support used to great success during Desert Shield and Desert Storm.

Educational Tracks
Keep abreast of emerging technologies and trends with over 26 educational tracks including:

- DOCUMENT PROCESS RE-ENGINEERING
- NOMADIC COMPUTING
- OBJECT ORIENTED DATABASE: THE CONNECTING FABRIC FOR THE INTEGRATION OF EXISTING SYSTEMS
- SUN'S HIGH AVAILABILITY SOLUTIONS
- ARCHITECTING THE INFORMATION HIGHWAY
- IMPROVING SOFTWARE RELIABILITY WITH PURIFY ASSESSING THE IMPACT OF TRANSFORMATIONAL TECHNOLOGIES
- RIGHTSIZING WITH FOCUS AND EDASOL
- THE REALITIES OF STRATEGIC COMPUTING
- OBJECT ORIENTED TECHNOLOGY AND OBJECT ORIENTED DATABASE: WHAT ARE THEY AND WHAT CAN THEY DO FOR YOU?
- SYSTEM MANAGEMENT DIRECTIONS - NETWORK 2020: ENTERPRISE MANAGEMENT DIRECTIONS PROPRIETARY TO OPEN MIGRATION, MYTHS AND METHODOLOGIES
- BEYOND CLIENT SERVER COMPUTING - INFORMATION: THE 21ST CENTURY UTILITY
- COST JUSTIFICATION AND BENEFITS OF RIGHTSIZING TO THE UNIX PLATFORM
- DISTRIBUTED DATABASE IN A COOPERATIVE SERVER ENVIRONMENT
- MULTIMEDIA IN REAL LIFE
- DB2 ON SUN PLATFORM
- RIGHTSIZED PRINTING
- ENCINA MEETS BUSINESS NEEDS
- NETWORKING THE ENTERPRISE
- SOLARIS 2.0 SYSTEM ADMINISTRATION DIFFERENCES
- STRATEGIC DECISION MAKING (2 hours)
- SYSTEM MANAGEMENT SOLUTIONS FOR DISTRIBUTED SYSTEMS (4 hours)
- CREATING COMPETITIVE ADVANTAGE THROUGH CHANGE
- SEIZING THE COMPETITIVE ADVANTAGE
- RIGHTSIZING APPLICATIONS FOR UNIX CLIENT SERVER ENVIRONMENTS

Sun Business Technology Showcase
Thursday, March 4 and Friday, March 5
Orlando Twin Towers Resort and Convention Center, Orlando, Florida

Attend the premier of the Sun Business Technology Showcase, a two day conference and exhibition featuring the latest in UNIX-based computing technology.

Over 10,000 square feet of exhibits featuring product demonstrations from a wide range of hardware and software manufacturers and vendors, including:

Access Graphics  
American Computer Rentals  
ArborText  
Arrow Electronics  
Artec/Sun Express  
ASJ Support Services, Inc.  
Alantec  
Applix  
Apunix  
Auto-Trol Technology  
Bull Information Systems  
Cad Cam Southeast, Inc  
Cadre Technologies  
CAD/CAM Development  
Cambridge Technology Partners  
Cincom Systems, Inc.  
Clarity Software, Inc.  
COL-INS-Co., Inc.  
Computer Associates, Inc.  
Cray Research  
Crescendo  
Cygnus Support  
Delta Microsystems & Peripheral Devices Corp.  
ECCS  
Engineering Software Services  
Frame Technology Corp.  
Gateway Computer  
Genstar  
Information Builders, Inc.  
Ingres  
Interactive Development Environments  
Integrax  
Intelligent Electronics  
Intersgraph  
Interleaf, Inc.  
Insyte  
Intergraph  
Kapama, Inc.  
Matrix Network Systems, Inc.  
National Peripherals, Inc.  
Ontos, Inc.  
Oracle  
Pacific Access Computers  
Parallax Graphics Inc.  
Peak Technologies  
Perfect Byte, Inc.  
Pure Software  
GMS  
Solid Computer  
Sunburst Computer  
Sun Customer Relations  
Sun Microsystems  
SunPro  
Syrbase  
Tadpole Technology  
Tech-Source, Inc.  
Tivoli Systems  
Transarc Corporation  
TSI  
Vi Corporation  
XDB  
Xerox Engineering Systems

Cost:
- 2 Day Registration includes seminars and exhibits $150.00 in advance ($175.00 at the door)
- 1 Day Registration includes seminars and exhibits $110.00 in advance ($125.00 at the door)
- Exhibit Hall Admission Only $10.00 in advance ($15.00 at the door)

Sign up today...
For registration information call 1-800-759-5142 or 407-422-6912
The Orlando Section Monthly Advertisement Rates

The Orlando Section of theIEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ad and payment is the 1st Tuesday of the month preceding the month of publication.

Ad Size      Rate      Discounted Rate (more than one issue)
Two-Page    $450      $350
Full Page    $300      $250
3/4 Page     $250      $200
2/3 Page     $225      $190
Half Page    $185      $150
1/3 Page     $165      $135
1/4 Page     $135      $105
1/6 Page     $100      $70
Business Card $250      $200
2 Page Preprinted Insert $292      $252
Full Page Preprinted Insert $195      $165

Please call the IEEE Orlando Voice Information Center to place your ads or mail your camera ready material and payment to:
IEEE Orlando Section
385 Commerce Way, Suite 101
P.O. Box 521917, Longwood, FL 32750
Tel.: (407) 260-1676, Fax: (407) 260-1636

EVENTS CALENDAR

For the latest and/or additional information call the IEEE Orlando Voice Information Center 260-1676, ext. 7 and enter the respective Voice Mailbox (VM) number.

Mar. 1-5     IEEE C - 9th IEEE Conf. On Artificial Intelligence for Applications - Disney Yacht & Beach Club Hotel, Orlando, (202) 371-1013
Mar. 2       IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Mar. 4-5     The Shorewood Group - Sun Business Technology Showcase - Orlando Twin Towers Resort and Convention Center, Orlando, 407-422-6912
Mar. 9       IEEE Consultants' Network - Help Your Family Have a Better Financial Future - Orlando Public Library, J. Medina, (VM) 323, (O) 260-1676
Mar. 11      IEEE SP - Discussion of the Book "Computer Imaging Recipes in C" - UCF, Dr. I. Abdou, (VM) 233, (O) 356-0322
Mar. 16      IEEE PE/A - Transmission EMF In Florida - OUC, J. Pipkin, (VM) 273, (O) 281-2916
Mar. 30      IEEE ED/CHMT - Device Modelling of Heterojunction Bipolar Transistors - UCF, Dr. K. Sundaram, (VM) 263, (O) 823-5326
Apr. 6       IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Apr. 13      IEEE Consultants' Network - University Commerce Connection - Orlando Public Library, J. Medina, (VM) 323, (O) 260-1676
May 3       IEEE IA - Industrial & Commercial Power Systems Annual Technical Conference - J. Beall (813) 376-2790
May 4       IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
May 11      IEEE Consultants' Network - TBA - Orlando Public Library, J. Medina, (VM) 323, (O) 260-1676
Jun. 1       IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
Jun. 8       IEEE Consultants' Network - TBA - Orlando Public Library, J. Medina, (VM) 323, (O) 260-1676

NEED ANY ASSISTANCE?

The Referral Service of the IEEE CONSULTANTS NETWORK OF ORLANDO has over 60 engineering, technical and managerial consulting professionals available to help you with your particular problem. The Network's ethical code ensures the highest professional standards.

Call (407) 260-1676 for information, or write to
P.O. BOX 521917, LONGWOOD, FLORIDA 32750
There is no charge for referrals.
Power Engineering/Industry Applications Society
Orlando Chapter

Program: Transmission EMF in Florida

Recently, popular media activity has focused on the possible link between ambient electromagnetic field (EMF) levels, particularly in the vicinity of transmission lines, and certain adverse health effects. Mr. Oven, an administrator with the Florida Department of Environmental Regulation, will describe the limits on EMF levels for transmission lines in Florida. He will also discuss recent EMF related studies and possible future developments in EMF.

Speaker: Hamilton Oven, Florida Department of Environmental Regulation

Date: Tuesday, March 16, 1993

Time: 7:00 to 8:30 Technical Presentation (No dinner scheduled)

Location: OUC Pershing St. Training & Meeting Room
(Pershing St. between Semoran (436) and Goldenrod in SE Orlando)

Reservations: Not required.

Information: Neil Crandell 422-4911
Jim Pipkin 281-2916
Bob Nelson 381-6308
ORLANDO SECTION IEEE
EXECUTIVE COMMITTEE MEETING MINUTES
REGION 03, SECTION 05, COUNCIL 51
Volume III, Number 11, Circulation 18

Date: March 2, 1993

Location: Hewlett-Packard, 6177 Lake Ellenor Drive,
Orlando, Florida 32809

Attendents: Ali Atashroo (Proxy J. Medina)
Parveen Wahid
Dave King
Kalpathy Sundaram
Harley Myler
Ikram Abdou
Eric Van Stryland
Jeff Rollman
Dr. David E. Flichbaugh
Laurie Dunn
Ed Ellis
Michael Georgiopoulos

1. Call to Order

The meeting was called to order at 6:12 P.M.

2. Chairman's Remarks – Ali Atashroo

The banquet went very well. Even Ali's wife graciously volunteered to collect checks at the entrance to the banquet. This was the second time there was some confusion with respect to the menu. We were under the impression there was to be a choice as to menu items. The suggestion was made to review the contract carefully.

New officers are to be nominated at this time. The nominating committee has been selected. J. Medina, G. Portz and B. Smallwood. The slate of new officers needs to be published. The election committee is nominated to be the selection committee.

The bylaws need to be brought up to date. There are some conflicts in the section bylaws and the IEEE bylaws. J. Medina has volunteered to be on the committee for revision of bylaws. Ali also volunteers. K. Sundaram and H. Myler also volunteered.

It was mentioned that the senior past chair was normally nominated as the conferences chair.
Madjid is now serving as conferences chair. How do we transfer responsibility?

Finally it was mentioned that we need to push for our members to be nominated for fellowship. Bob Smallwood needs to be made aware of our desire to raise this issue.

Ali participated in the Florida council in Tampa. The next meeting will be held in Charlotte N.C. on April 3rd through 6th combined with regional meeting and the southeastcon.

Ali met with Carl Lohman who is judging the state science fair along with Dave King. It is an interesting place for kids especially. If you have children, you may be interested in attending the fair with them.

3) Quorum/Agenda

There was a quorum.

4) Chapter Reports

AES – David Flinchbaugh

David Flinchbaugh has been in contact with two astronauts and will have a speaker of that ranking lined up for April.

AP/MTT – Laurie Dunn

There was no February meeting. Paul Goldsmith will speak in March. They are lining up speakers for May.

COMPUTER – Ed Evenson

No report

COM/VT – Michael Germain

Michael has been trying get a meeting scheduled for this month but is not sure he will be able to swing it. Out of 80 or 90 members in the section very few will show for a run of the mill telephone meeting.

Membership and participation were discussed. Several ideas were proposed and discussed. One idea was to have a couple of large meetings every year that would be section wide. One such meeting might be a talk on the history of technology. Another speaker might be someone who can talk about data retrieval in the modern age.

ED/CHMT – Kalpathy Sundaram
There will be a meeting on March 20th. After sending the letter last month, Kalpathy only had two responses. A joint meeting with other chapters was suggested as a way of boosting attendance.

LEOS – Eric VanStrylan

No report.

Neural Network WG – Dr. M. Georgiopoulos

No Report.

PE/IA – Jim Pipkin

There was a very interesting talk held on the Federal Energy Act. It would cost about 600 billion to implement but none of it is funded.

SP – Ikram Abdou

A meeting was held in February with 8 people. Dr. Myler will speak on computer imaging in March in room 107. In April, Al Berg will speak on vector quantization. Also in April there will be elections to replace Ikram who is moving.

SRC – Dr. Harley Myler

A meeting was held in February with 25 attendees with only 5 IEEE members. A critique of what robots can and can’t do was held. They will be gauging interest in SRC at the next meeting. Enthusiasm seems to be waning. Ali is in touch with a Martin employee who wants to join SRC named (Cowart ?). He will be a very active person.

UFFC – Tom Voor

18 members were present at the meeting in February. A stand-in spoke on acousto-optic signal processing devices. It was a very good meeting. No meeting is scheduled for March. Don’t forget to line up new officers for the next year especially if you’re last meeting will be in April.

STUDENT – Debra Kemnitz

No Report

CONSULTANTS WORKING GROUP – Jorge Medina
There were 19 at the last meeting. A lady spoke on partnerships, S corps, and corporations and how to take advantage of these situations. Ali seconded the comment that it was very useful.

5. Treasurers' Report – Wahid Parveen

Ali commented that the funds were going fast. Ed said that he thought it would be at least a couple of months before we receive anything from Globecorn. It was mentioned that headquarters sent a nastygram requesting any further info on chapter meetings impacting 1993 rebate schedule. Everyone believes that the rebate should not be constrained by the meeting rule, but that the 4 meeting rule would not apply to meetings in 1993.

We need to flag chapters to stop spending beyond their budget. The budget for Strategic Planning committee was amended to include the $750.00 cap for the essay contest. Approval of the Treasurers report was moved and approved.

6. Minutes of Previous Meeting – David King

the minutes of the February 2 meeting were reviewed with a couple of minor corrections. The minutes were approved.

On February 7th after Madjid declined the award, the exec board decided to make the award to the next candidate. The award was offered to Dr. Christadoulou by hand from Jackie. That award was then declined by Dr. Christadoulou immediately. The award was then given to Dr. Yuan in accordance with the ranking as determined to be suitable within the Florida council guidelines. It was moved to approve the minutes of the executive board meeting. The minutes of the executive board meeting were approved.

7. Vice Chairman's Report – Jackie Hines

The bounced check has been taken care of.

8. Chapter's Chairman – Jeff Rollman

No report.

9. Voice Mail – Jorge Medina

An uninterruptable power supply (UPS) has been purchased for the voice mail system. Jorge is looking into buying another voice mail system, as well as an upgrade to the computer. If voice mail calls you, it will ring the house only three times every 20 minutes until 9:00.
10. Membership Development – Bob Smallwood

There are 1369 members currently in the section. There is a database established. Bob Smallwood has a copy of it if you need any information from him. Jorge Medina says there is a manufacturers association with a directory of 2500 companies in central Florida.

11. Awards – Jorge Medina

As of last count there were only two nominations in for engineer of the year from the chapters. Only LEOs and SP had their nominations in. One nomination has been received for outstanding engineer and one for outstanding educator. There has been no outstanding service nomination this year so far. Dr. Keith Huddleston and Wafsy Mikhail have received the outstanding engineer and outstanding educator award from the Florida Council. January 30 was the last day for the chapters to submit their nominations.

12. Programs – Jackie Hines

No report.

13. Conference – Ed Ellis

No report.

15. Strategic Planning Committee

There were only six entries in the essay contest this year. It did appear that there was a lack of communications with the county school boards. There were three short talks and a number of nice awards made. UCF, Westinghouse and IEEE spoke at the luncheon. Wrapping up, it was a worthwhile project, but there clearly needs to be a longer preparation time up front. Overall the contest went well considering. Westinghouse took pictures and there should be a good print available for the newsletter.


Jorge will be trying to get the newsletter out by mid month, so get stuff to him by Monday.

16. PACE – Glen Portz

Nothing new to report, but focus is still on employment assistance. Glen gets info from national on workshops available. Ali suggested that we work to get the word out to the membership at large. Glen will write up something for inclusion in the newsletter. George McClure is now the national chairman for career development.

17. Education – Sundaram Kalpathy
There are new boxes for the video library. Stamps for the videos were discussed. A new list has been made up. It was suggested that the list be condensed to include as an insert in the newsletter. 60 or 70 tapes are on file to date. 32 were bought this year.

18. Old Business/New Business
None

19. Adjourn
LAU.
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Dr. M. Ali Atashroo  
Chairman  
Orlando Section, IEEE  

Dear Sir:  

Enclosed is a check for $2,000.00 which is repayment for your loan to Globecom in early 1991 to help provide seed money for the organization of Globecom'92.

An additional check to provide your share in the surplus generated by Globecom will be forwarded in midsummer. The Globecom surplus is within the margins of our optimistic and pessimistic projections. Therefore, we expect your share in the surplus to be substantial.

Thank you for your advance. In the early days of the conference, we were often constrained by the cash we had available and your advance was very helpful.

cc: Ron Kandell  
   Ed Ellis  

file: GLBCM214.wri
TO: David King

FAX: 862-9093

DATE: 29 March 1993

SENDER: Ali Atashroo

TEL.: (407)356-6914

SUBJECT: "1992 IEEE Meeting Summary Update"

OPERATOR: __________________________________ TEL.: (407)356-_____

RETURN FAX: (407)356-5208

COMMENTS:

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## SUMMARY OF IEEE ORLANDO SECTION MEETINGS 1992 & 1Q93

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### 1992 TOTAL MEETINGS

- EXCO/AES: 11
- AES: 2
- MTT: 6
- COM/VT: 4
- ED/CHMT: 5
- LEOs: 2
- IA: 2
- PE/IA: 2
- SP: 9
- SRC: 5
- UFFC: 2
- NNWG: 1
- CWG: 4
- TOTAL: 57

### 1992 TOTAL ATTENDED

- TOTAL: 1044

### 1Q93 TOTAL MEETINGS

- EXCO/AES: 3
- AES: 1
- MTT: 1
- COM/VT: 2
- ED/CHMT: 2
- LEOs: 3
- IA: 2
- PE/IA: 2
- SP: 2
- SRC: 2
- UFFC: 2
- NNWG: 3
- CWG: 3
- TOTAL: 19

1. Jackie Hines  W  886-8860
2. Dave King  H  628-1604
3. Jorge Medina  862-9094
4. Tim Young  628-4828
5. Ed Ellis
6. Issa Batarseh  356-8865
7. Michel German (904) 823-0185
8. K.P. Sundaran
9. Dr. David E. Flinchbaugh  (407) 823-5326
10. Ikram Abdou  859-7890
11. Laurie Dunn  859-4855
12. Tom Voor  671-0397
13. Jim Pipkin  678-9674
14. Tom Voor  648-0777
15. Jim Pipkin  671-8289
IEEE Orlando Section
1993 Awards Banquet
Jorge Medina, Awards Chairman

The 1993 Awards Banquet was held on February 27th at the Omni Orlando Hotel and attended by 60 people. We gave seven Chapter Engineer-of-the-Year awards, four student awards, two important Section awards. In addition, we were pleased to have Mr. F.W. (Skip) Blum from the Florida Council of IEEE to present two Outstanding FCIEEE awards to Orlando Section members, who were selected from all of the Sections in the State of Florida. To end the evening, we recognized the newest IEEE Fellow in the Orlando Section, Dr. Donald Malocha.

Chapter Engineer-of-the-Year Awards
The Chapter Engineer-of-the-Year awards, are designed to recognize members of the Orlando Section who, through their technical and professional abilities, have made outstanding contributions to their profession. Evaluation criteria include importance of technical contribution, output of patents, proprietary designs, papers, and technical presentations, service to the IEEE, and service to the engineering profession.

Nominations for the Engineer-of-the-Year awards came primarily from the 12 chapters in the Orlando Section. Because of this, each Chapter Chairman was asked to make the award for his chapter. The Chapter Engineer-of-the-Year awards were as follows:

AP/MTT ...................... Jeff Rollman
COM/NT .................. Anthony E. Thakur
LEOS .................. Dr. Patrick Li-Kam-Wa
PE/A ...................... Edward J. King, Jr.
SP .......................... Timothy Young
SRC .................. Dr. Michael G. Haralambous
UFFC .................. Dr. Rodolfo C. Almar

Student Awards
Each year the Orlando Section presents an award to the Outstanding Senior Student in Electrical Engineering, and the Outstanding Graduate Student in Electrical Engineering.

This year’s winners were presented with a certificate and a $100 check from the Orlando Section. Dr. Marlo Szaler presented the Outstanding Student Awards in Electrical Engineering, and

The Orlando Section Outstanding Engineer award is designed to recognize Orlando Section members who through their technical and professional abilities have made outstanding contributions to their profession. This year’s winner is Dr. Marion J. Sollee, Jr., Director and Professor of Electrical Engineering and Physics at CREOL (Center for Research in Electo Optics and Lasers) at the University of Central Florida.

IEEE Florida Council Awards
Each year the Florida Council of the IEEE makes awards for Outstanding Engineer, Outstanding Educator, and Outstanding Service. The Orlando Section nominates the Section award winners from last year for the FCIEEE awards and also for the Region 3 awards of the same names.

Student Award Recipients: Ronald Rabbot (left), Debra Kemnitz, Steve Dick and Scott Harrell (not shown)

Dr. All Atashroo presented the Outstanding Student Awards in the SRC Chapter. They were the following:

Outstanding Senior Student in EE
Debra Ann Kemnitz

Outstanding Graduate Student in EE
Ronald Rabbot

Outstanding Junior Student in SRC Chapter
Steven Dick

Outstanding Senior Student in SRC Chapter
Scott Harrell

Outstanding Orlando Section Awards
Again this year, there were many excellent and well qualified nominations for the two Section Awards. The Orlando Section Outstanding Engineer Educator award is designed to recognize Orlando Section members who, through their academic contributions, have enhanced the engineering profession. This year’s winner is Dr. J.S. (Peter) Yuan, assistant professor of Electrical Engineering at University of Central Florida.

FCIEEE Outstanding Engineer, Dr. Keith Huddleston (left), and
FCIEEE Outstanding Engineering Educator, Dr. Wafy Mikhail

This year the nominees from Orlando won two of the three FCIEEE awards. Mr. Skdp Blum, Vice Chairman of the FCIEEE, presented these awards:

FCIEEE Outstanding Engineering Educator
Dr. Wafy Mikhail

FCIEEE Outstanding Engineer
Dr. Keith Huddleston

Special thanks goes to Dave King, who provided photographic coverage throughout the ceremonies. And special thanks to the Section’s Programs Chairperson, Jackie Hines, for making all the arrangements. The Section thanks the nominees, Chapter Chairpersons, and members of the Awards Committee for all the help they provided in supporting the 1993 IEEE Orlando Section Awards nominations.
from the President of the United States, Bill Clinton who addressed Engineers for National Engineers Week (February 14-20, 1993). His message, is presented here:

Engineers have always been major contributors to our nation’s prosperity and quality of life. Now, as our country embarks in a new direction, engineers will be key players in finding solutions to many of our challenges ahead. From environmental cleanup to international competitiveness, from rebuilding our infrastructure to assuring a reliable energy supply, it is engineers who'll be called upon for the creativity to move our country ahead.

It is fitting that you mark your annual observance with visits to our nation’s classrooms to inspire the leaders and workers of tomorrow with the wonders and opportunities of technology. A technically literate workforce is essential to our future success.

I am pleased to join all Americans in saluting our nation’s engineers during National Engineers Week. I look forward to the opportunity to work with you to ensure a bright future for our nation.

The Nomination Committee has nominated the new officers Jackie Hing (Chair), Dr. Parveen Wahid (Vice Chair), David King (Treasurer), and Jeff Rollman (Secretary) for 7/1/93-6/30/94. Section 042, Page 9 of our bylaws states, the Section membership may make additional nomination by submitting qualified petitions. A qualified petition shall meet the following: a) Specify the office, b) Bear the signature of at least 15 voting Section members, c) Contain statement of the nominee’s consent to serve, d) State nominee’s qualification and biography, e) Be delivered to the Section chairman on or before 1 April, [1993]. In our March 2nd, 1993 Executive Committee meeting, I appointed Ed Ellis, Jorge Medina, Glenn Portz, and Bob Smallwood to the Election Committee to carry out the election process.

Attend this year enlightening Florida State Science and Engineering fair, on April 14-16 at Orlando Central Fair Grounds on Route 50. The Florida counties Science Fair winners will compete in the state Science Fair in the two 6-8 and 9-12 grades categories. Karl Lohman, Florida Council awards chair and Orlando Section member, and David King, Section Secretary, will be on the judging panel.
MEETING ANNOUNCEMENTS

Unless otherwise noted, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

ANTENNAS AND PROPAGATION/
MICROWAVE THEORY AND TECHNIQUES

Fundamentals of Antenna Design

Speaker: Mr. Gene Augustin,
President Technical Systems Associates, Inc.

Date: Thursday, April 22nd, 1993
Time: 5:30 PM - Refreshments, 6:00 PM - Meeting
Location: Hewlett Packard, 6177 Lake Ellenor Drive
Contact: Laurie Dunn 1-407-867-3193 (W)/678-9674(H), Bob Smallwood 826-9217 or leave message at 260-1676, ext. 7, Voice Mailbox 223.

CONSULTANTS' NETWORK

The University/Commerce Connection (UCC)

Speaker: Mr. Bruce M. Furino, Grants Development Manager,
Division of Sponsored Research, UCF.

Program: Given the potential for growth and direct benefit to our local economy, it is most important for the University of Central Florida’s (UCF) Division of Sponsored Research (DSR) to establish and sustain a continuing rapport with existing and new businesses. With the Clinton administration’s proposed support for "Technology and Business Reinvestment, and Defense Conversion", there is opportunity for new development. UCC is an excellent communications and information dissemination toll for accomplishing this goal.

Date: Tuesday, April 13th, 1993
Time: Meeting at 6:00 PM
Location: Orlando Public Library, 3rd Floor, Magnolia Room
Contact: Call Jorge Medina at 628-4828 for reservations or leave message at 260-1676, ext. 7, VM 323.

SIGNAL PROCESSING

Theory and Application of Vector Quantization

Speaker: Mr. Al Berg, MMC

Date: Thursday, April 22nd, 1993
Time: Meeting at 5:30 PM. Refreshments will be served. Election of new officers will be held.
Location: UCF Engineering Building, Room 228
Contact: Dr. Ikram Abdou at 356-0322 or leave message at 260-1676, ext. 7, Voice Mailbox 233.

SYSTEMS/ROBOTICS/CONTROL

General Meeting and Election of Officers

Date: Wednesday, April 21st, 1993
Time: Meeting 5:00 PM. (Root) Beer and Pizza will be served!

Location: Intelligent Systems Lab, Room 274,
UCF College of Engineering
Contact: Dr. Harley Myler at 823-5098 or leave message at 260-1676, ext. 7, Voice Mailbox 303.

EMPLOYMENT ASSISTANCE

Employment assistance continues to be emphasized by the PACE Committee. Unemployed members are urged to contact Glenn Portz, Orlando Section PACE Committee Chairman, at 644-2408 for more information. Also, the PACE committee has a library of information on:

1. Career Development
   A. Avoiding Obsolescence
   B. Skills Assessment
   C. Transition to Management
   D. Retirement Planning

2. Employment Issues
   A. Hiring and Termination Practices
   B. Discrimination, Age or Other
   C. Legal Resources

3. Legislative Agenda
   A. Pensions
   B. Technology Positions
   C. Congressional Fellows

4. Pre-college Education
   A. Engineer’s Week
   B. Science Fairs
   C. Student Conferences, e.g., S-PAC’s

5. Intellectual Property Rights
   A. Patents
   B. Software

Contact Glenn Portz at 644-2408 or leave message at 260-1676, ext. 7, Voice Mailbox 912, for further details.

IEEE ENGINEERING ENERGY
AND IDEAS ESSAY CONTEST

Contest winners and dignitaries at the IEEE Engineering Energy and Ideas Essay Contest awards luncheon held at the UCF Holiday Inn during Engineers Week, 1993. From left to right: Dr. Gary Whitehouse, Dean, UCF College of Engineering; Francoeur Cadet, Jones H.S., 5th Place; Stephen Brannan, Cypress Creek H.S., 3rd Place; Kimberly Doud, Evans H.S., 4th Place; Zachary Schwab, Oviedo H.S., 2nd Place; Kelly Davis, Oak Ridge H.S., 1st Place; Dr. Ali Atashroo, IEEE Orlando Section Chairman; Mr. Nick Bartol, Westinghouse General Manager of Engineering.
The Orlando Section Monthly

Advertisement Rates

The Orlando Section of the IEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key area industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ad and payment is the 1st Tuesday of the month preceding the month of publication.

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Please call the IEEE Orlando Voice Information Center to place your ads or mail your camera ready material and payment to:
IEEE Orlando Section
385 Commerce Way, Suite 101
P.O. Box 521917, Longwood, FL 32750
Tel.: (407) 260-1676, Fax: (407) 260-1636

EVENTS CALENDAR

For the latest and/or additional information call the IEEE Orlando Voice Information Center 260-1676, ext. 7 and enter the respective Voice Mailbox (VM) number.

- Apr. 6  IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
- Apr. 13 IEEE Consultants' Network - University Commerce Connection - Orlando Public Library, J. Medina, (VM) 323, (O) 260-1676
- Apr. 22 IEEE SP - Theory and Applications of Vector Quantization - UCF, Dr. I. Abdou, (VM) 233, (O) 356-0322
- Apr. 22 IEEE AP/MTT - Fundamentals of Antenna Design - Hewlett-Packard, L. Dunn, (VM) 223, (O) 718-867-3193
- May 4 IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
- May 11 IEEE Consultants' Network - Entering Private Practice (Open Discussion Panel) - Orlando Public Library, J. Medina, (VM) 323, (O) 260-1676
- Jun. 1 IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465
- Jun. TBA IEEE Orlando Section - Installation Banquet - J. Hines, (VM) 902, (O) 886-8866, (H) 620-1604
- Jun. 16-17 IEEE National Telesystems Conference - Telesystems: Transition: Commercial Applications and Dual-Use Technology - World Congress Center, Atlanta, Georgia, E. Barnhart, (404) 894-8248

NEED ANY ASSISTANCE?

The Referral Service of the IEEE CONSULTANTS NETWORK OF ORLANDO has over 60 engineering, technical and managerial consulting professionals available to help you with your particular problem. The Network's ethical code ensures the highest professional standards.

Call (407) 260-1676 for information, or write to
P.O. BOX 521917, LONGWOOD, FLORIDA 32750
There is no charge for referrals.
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Checking account balance (2 Mar Treasurer’s rpt.) $7,820.16

DISBURSEMENTS
1062 27-Feb-93 Omni Hotel - Awards Banq. $1,522.16
1064 2-Mar-93 A. Atashroo - Filing box $10.00
1065 2-Mar-93 M. Garrity - UFFC Feb mtg $8.56
1066 2-Mar-93 T. Voor - UFFC Feb mtg $35.00
1067 2-Mar-93 I. Abdou - Feb SP mtg $30.00
1068 2-Mar-93 D. King - Photo, film - Awards Banq $16.99
1069 2-Mar-93 M. Germain - COM/VT Nov. mtg $12.00
1070 4-Mar-93 Postmaster - Mailing $320.00
1071 4-Mar-93 United Trophy - Award plaques $82.38
1072 4-Mar-93 J. Pipkin - PE/IA Feb mtg $10.00
1073 5-Mar-93 S. Harrell - SRC student project $176.55
1074 29-Mar-93 H. Myler - SRC mailing $12.01
1075 31-Mar-93 Sundaram - ED/CHMT Mar mtg; Education $22.65

Total Expenses $2,258.30

DEPOSITS:

Awards Banquet - Receipts $460.00
Interest $12.68
Interest $8.55

Total deposits $481.23

SUMMARY:

Checking account balance (2 Mar Treasurer’s rpt.) $7,820.16
Less Disbursements $2,258.30
Add deposits $481.23

$6,043.09

Checking account balance (6 Apr Treasurer’s rpt.) $6,043.09

Vanguard Short Term Treasury $20,000.00
Dreyfus Fund Balance (2 April 1991)  
TOTAL LIQUID ASSETS  

$0.66  
$26,043.75  

Respectfully Submitted  
Tuesday, 6 April 1993  

Parveen Wahid  
IEEE Orlando Section Treasurer
TO: Jackie Hines  FAX: 886-7061
DATE: 3/22/93

SENDER: Ali Atashroo  TEL: (407)356-6914

SUBJECT: "Chairing The IEEE Orlando Section EXCom on April 6, 1993"

OPERATOR: ___________________________  TEL: (407)356——

RETURN FAX: (407)356-5208

COMMENTS:
Jackie

Please chair the upcoming EXCom meeting on April 6, 1993 for me. This note also serves as my proxy authorizing Jackie Hines to vote for me. Thanks.

A. Ali Atashroo
LASERS AND ELECTRO-OPTICS SOCIETY (LEOS)
Joint with OSA
Saturday, April 17, 1993

The Impact of Optical Amplifiers on Lightwave Communications

Tingye Li
AT&T Bell Laboratories

The field of lightwave communications is undergoing a revolution brought about by recent achievements in optical amplifier technology. This talk will describe the attributes of Erbium-doped fiber amplifiers (EDFAs) that are advantageous to lightwave telecommunications, discuss the optical fiber properties that determine system design and architecture, and consider the multifarious applications that will have a revolutionary impact on the telecommunications industry.

and

Driven Societies, Different Cultures;
USA and Japan

Prof. Ramu Ramaswamy

Professor Ramaswamy, who spent the last year on sabbatical as the NTT Telecommunications Professor at the University of Tokyo, drawing from his personal and professional experiences, will present an overview of the major strengths and weaknesses between the two great cultures: USA and Japan. He will cover a wide range of topics including the economy, the behavioral pattern, the educational system, the corporate structure and their intertwined symbiotic relationship with the government. He will emphasize as to how we can emulate certain beneficial aspects wherever possible.

Date: Saturday, April 17, 1993

Time: Social hour (refreshments, etc.) 9:45 AM
OSA business 10:00 AM
Talk: Dr. Tingye Li 10:15 AM
Break 11:00 AM
Talk: Prof. R. Ramaswamy 11:15 AM
CREOL hosted picnic (over for map) 12:00 Noon

Place: Business Administration Building, RM 119, UCF

RSVP: Sharon Cruz, CREOL; 407-658-3986, including picnic
# Orlando Section IEEE Executive Committee

## Meeting Agenda

April 6, 1993

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<td>5. Treasurer's Report</td>
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<td>6. Minutes of previous meeting</td>
<td>DAVE KING*</td>
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<td>7. Vice Chairman's Report</td>
<td>JACKIE HINES*</td>
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<td>JEFF ROLLMAN*</td>
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<td>10. Membership Development</td>
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* Voting Officers: Total 19

Quorum 9+1=10
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<td>HV 068</td>
<td>Role of Artificial Intelligence in Manufacturing (Video Tape/Workbook 1991)</td>
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<tr>
<td>840 AV</td>
<td>Desktop Publishing for Technical Writers</td>
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<td><strong>AP/MTT</strong></td>
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<tr>
<td>EV 0372-3</td>
<td>GaAs Monolithic Microwave IC</td>
<td>4</td>
<td>7-8 Hrs</td>
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<tr>
<td>HV 0268-3</td>
<td>Microwave Opto-Electronics (1992)</td>
<td>1</td>
<td>62 min</td>
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<tr>
<td>HV 0242-8</td>
<td>Noise in Microwave Circuits (1991)</td>
<td>1</td>
<td>60 min</td>
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<tr>
<td>HV 0229-5</td>
<td>Some Relations between Microwave and Optics (1990)</td>
<td>1</td>
<td>56 min</td>
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<tr>
<td>HV 0210-5</td>
<td>Nonlinear GaAs FET Modelling (1991)</td>
<td>1</td>
<td>80 min</td>
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<tr>
<td>HV 0117-2</td>
<td>Gallium Arsenide - Key to Modern Microwave Technology</td>
<td>1</td>
<td>60 min</td>
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<td>HV 0148-7</td>
<td>Sensors from Microwave to Electro-optical</td>
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<td><strong>COMPUTER</strong></td>
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<tr>
<td>HV 0202-2</td>
<td>Parallel Processing</td>
<td>2</td>
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<tr>
<td>HV 0207-1</td>
<td>Communications and Synchronization in Parallel Processing Systems</td>
<td>2</td>
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<tr>
<td>HV 0200-6</td>
<td>Distributed Supercomputing</td>
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<tr>
<td>HV 0204-8</td>
<td>Distributed Software Engineering</td>
<td>2</td>
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<tr>
<td>HV 2543-16</td>
<td>Concurrent Software Analysis</td>
<td>2</td>
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<tr>
<td>HS 0166-9</td>
<td>11 Rules of Supercomputer Design</td>
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<td><strong>ED/CHMT</strong></td>
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<td>HS 0172-7</td>
<td>Submicron BiCMOS Process Technology</td>
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<td>HS 0173-5</td>
<td>Submicron CMOS Technology Scaling</td>
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<tr>
<td>HS 0169-3</td>
<td>What is all this about GaAs</td>
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</tr>
</tbody>
</table>
HS 0116-4  Gallium Indium Arsenide Heterostructures of Low Noise Amplification, High Speed Logic Circuits and Light Detection

EV 0374-9  Heterostructure Transistors (1988) 4 7-8 Hrs.

COMMUNICATIONS

HV 0102-4  Adaptive Resonance 1 120 min
HV 0106-5  Competitive and Cooperative Learning Systems 1 120 min
HV 0121-4  Spread Spectrum Communications 2 180 min each
HS 0177-6  Error Correcting Codes for Digital Signal Processing
HS 0170-1  Introduction to Modem Technology, Theory and Practice of Bandwidth Efficient Modulation from Shannon and Nyquist to date

POWER

HV 0069-5  Three Phase Short Circuits 1 113 min
HV 0070-3  Unsymmetrical Short Circuits 1 103 min
HV 0071-1  Applications to Industrial Power Distribution

SRC

HV 0108-1  Dynamical System Review 1 120 min
HV 0160-2  Modeling and Control of Automated Manufacturing Systems 2 231 min
HV 0161-0  Networking for computer-Integrated Manufacturing 2 207 min
HV 0162-8  Sensor Based Planning and Control in Robotics 2 196 min

HV 0126-3  Adaptive Sensor-Motor Control (1989) 1 2 Hrs
HV 0124-8  Adaptive Pattern Recognition (1989) 1 2 Hrs
HV 0105-7  Vision (1988) 1 2 Hrs

LEO

HV 0118-9  Light Wave Communications 1 60 min
EV 0362-4  Photonic Switching  2
EV 0387-1  MBE and MOCVD New Structures/Devices  4  7-8 Hrs.

SP

EV 0388-9  Digital Signal Processing  4
HV 0155-2  The Structure of FFT and Convolution Algorithms (1990)  2  125 min
HV 0156-0  Synthetic Aperture Radar Viewpoint (1990)  2  150 min
HV 0157-8  High Resolution and Higher Order Spectral Analysis (1990)  2  150 min
HV 0158-6  VLSI for signal Processing (1990)  2  175 min

Neural Network Group

1988-AV  Artificial Neural Systems  2
HV 124  Neural Networks: Adaptive Pattern Recognition  1  120 min
HV 127  Neural Networks: Algorithms and Micro-hardware  1  120 min
HV 129  Neural Networks: Optical Neurocomputers  1  120 min
HV 0323-6  Learning, Recognition and Prediction by Self-Organizing Neural Networks  1  2 Hrs
HV 0322-8  Adaptive Signal Processing and Adaptive Neural Networks  1  2 Hrs
HV 0272-5  Adaptive Vector Quantization and Neural Networks  1  2 Hrs
HV 088-5  Neural Network Based Speech Recognition  1
Attendees

1. DAVID KING (407) 862-7094
2. DR. DAVID E. FLINCHBAUGH, P.E. (407) 859-7310 x34 / 859-4855
3. MICHEL GERHARDIN (407) 326-1483 407-678-5599
4. EWELL MENGEL (407) 859-7310
5. HANK V. (407) 833-5098 407-657-4680
6. ISSA BATESHEH (407) 323-0185 407-366-6269
7. JIM PIPKIN 407 281-2916 407 671-8289
8. GLENN PORTZ
9. ED ELLIS (407) 644-2408
10. TIM YOUNG (407) 356-8865 857-6878
11. JORGE MEDINA (407) 678-4878 407-260-1676
12. JEFF ROUMAN (407) 356-6310 407-859-0483
13. LAURIE DUNN (407) 867-3193 407-678-9477
14. TOM VOOR (407) 886-8860 407-648-0777
15. JACKIE HINES
16. H. ATABASSOZ
17. PARVEEN WILDHO
ORLANDO SECTION IEEE
EXECUTIVE COMMITTEE MEETING MINUTES
REGION 03, SECTION 05, COUNCIL 51
Volume III, Number II, Circulation 18

Date: August 4, 1992

Location: Hewlett-Packard, 6177 Lake Ellenor Drive,
Orlando, Florida 32809

Attendants:
Parveen Wahid
Jackie Hines
Jorge Medina
Kalpathy Sundaram
Tim Young
Issa Batarseh
Michael Germain
David Flinchbaugh
Tom Voor
Jim Pipkin
Laurie Dunn
Ed Ellis
Ikram Abdou
Dave King

1. Call to Order

The meeting was called to order at 6:00 P.M.

2. Chairman's Remarks - Jackie Hines

No remarks this week because Ali was out of town. Jackie Hines sat in in his stead.

3) Quorum/Agenda

The session had a quorum. The agenda was amended due to several omissions.

4) Chapter Reports

AES - David Flinchbaugh

Will be having a meeting in May. The meeting will be on the Magplane. The Magplane is a magnetic vehicle that flies a few inches off of the rails.

AP/MTT - Laurie Dunn.
SP - Ikram Abdou

There will be a meeting held in May. New officers have been selected. Tim Young will be chairman, Dr. J. Alsaka vice chairman.

SRC - Dr. Michael Harris

No Report

UFFC - Tom Voor

A meeting will be held this month.

STUDENT - Debra Kenmitz

The student chapter sent in quite a report on the various activities ongoing within the student chapter. The robot activity is going strong and the mine game is also continuing strong. Lots of lectures from the faculty have many students considering continuing education.

Consultants Network - Jorge Medina

There will be a meeting next month with an open forum including a panel of consultants in business for several years. Amendments to the bylaws have been presented to the members of the CN. Whoever joins the directory and network signs up to accept the bylaws. Two people have joined from Tennessee and Kentucky and one from the United Kingdom. Jorge has submitted funds collected for the compilation of the directory.

5. Treasurers' Report - Wahid Parveen

The financial report and the treasurers report were reviewed and approved.

6. Minutes of Previous Meeting - David King

The minutes were reviewed with one minor change approved.

7. Vice Chairman's Report - Jackie Hines

There was a mix-up at the awards banquet. The beef with grouper was not available. The contract was also apparently modified. Noone complained about the mix-up.

On April 15th there will be a science fair at the Florida Fairgrounds. We need a judge to represent the section. Jackie volunteered to go.

A revision for by-laws committee is being formed. A request for volunteers was put forward. Probably two meetings of two hours each would be required. Dave King and Michael Germain volunteered.
8. Chapter's Chairman - Jeff Rollman

No Report

9. Voice Mail - Jorge Medina

Jorge has noticed activity from various companies leaving messages for the student chapter. Other activity has been minimal. The idea was put forth to offer all options of communication to the members. A proposal for upgrade of the voice mail system has been given to Ali to take with him to the region 3 meeting. Considerable discussion took place regarding the relative advantages of voice mail, fax, and e-mail.

10. Membership Development - Bob Smallwood

No report

11. Awards - Jorge Medina

No report.

12. Programs - Jackie Hines

A spring program is a little late. But it is not too early to start thinking about the installation banquet. June 19 is the tentative date for the installation banquet.

Suggestions were for Holiday Inn at Lake Monroe or someplace close to the water (relaxing). The Outback at Lake Buena Vista was suggested as an interesting location. Michael Germain has a potential speaker. Rosie O'Gradys is another suggestion.

13. Conference - Ed Ellis

The Globecom final report is still being put together. The section will receive 1/6 of the first $100,000 or $16,666. By mid May there should be a check for the majority of the surplus going to national. Our money should also come at that time. In the meantime a check for the $2000 seed money was received.

Glen Portz is willing to help out with the upcoming PE conference.

14. Publications - Jorge Medina

The newsletter normally comes out around the 20th of the month.

15. PACE - Glen Portz

No report
17. Education - Sundaram Kalpathy

Only two videos that were inspected have some wrong labeling. A new list of all tapes has been compiled. Jorge gave Kalpathy some info on non-IEEE videos available. Some of the titles will be published.

18. Old Business/New Business

The nominating committee reports that the nominations are as expected with the exception that Kalpathy Sundaram is nominated for secretary.

A new member of the PE group is interested in establishing a power electronics chapter. The suggestion was made for inclusion of the group into the PE/IA society with their consent.

19. Adjourn

Meeting was adjourned at 7:35.
## ORLANDO SECTION IEEE EXECUTIVE COMMITTEE
### MEETING AGENDA
#### May 4, 1993

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MINUTES</th>
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<tbody>
<tr>
<td>1. Call to order</td>
<td>1</td>
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<tr>
<td>2. Chairman's Remarks</td>
<td>5</td>
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<tr>
<td>3. Quorum/Agenda</td>
<td>1</td>
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<td>4. Chapter Reports:</td>
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<tr>
<td>AES</td>
<td>DAVE FLINCHBAUGH*</td>
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<td>AP/MTT</td>
<td>LAURIE DUNN*</td>
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<td>COMPUTER</td>
<td>ED EVISON*</td>
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<td>COM/VT</td>
<td>MICHAEL GERMAINE*</td>
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<td>ED/CHMT</td>
<td>KALPATHY SUNDARAM*</td>
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<td>ERIC VANSTRYLAND*</td>
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<td>NEURAL NETWORK WG</td>
<td>MICHAEL GEORGIOPoulos*</td>
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<td>PE/IA</td>
<td>JIM PIPKIN*</td>
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<td>SP</td>
<td>IKRAM ABDOU*</td>
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<td>SRC</td>
<td>HARLEY MYLAR*</td>
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<td>UFFC</td>
<td>TOM VOOR*</td>
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<td>STUDENT</td>
<td>DEBRA KEMNITZ</td>
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<td>CONSULTANTS NETWORK</td>
<td>JORGE MEDINA*</td>
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<td>5. Treasurer's Report</td>
<td>PARVEEN WAHID*</td>
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<td>6. Minutes of previous meeting</td>
<td>DAVE KING*</td>
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<td>7. Vice Chairman's Report</td>
<td>JACKIE HINES*</td>
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<td>JEFF ROLLMAN*</td>
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<td>JACKIE HINES</td>
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<td>13. Conference</td>
<td>ED ELLIS*</td>
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<td>14. Globecom '92</td>
<td>ED ELLIS</td>
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<td>15. Strat Planning Committee</td>
<td>DAVE KING</td>
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<td>16. Publications</td>
<td>JORGE MEDINA</td>
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<td>KALPATHY SUNDARAM</td>
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<td>19. Old Business</td>
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<td>20. New Business</td>
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<td>Adjourn</td>
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| TOTAL | 77 |

* Voting Officers: Total 19
* Quorum 9+1=10
IEEE ORLANDO SECTION - TREASURER’S REPORT 4 MAY 1993

Checking account balance (6 Apr Treasurer’s rpt.) $6,043.09

DISBURSEMENTS
1076 7-Apr-93 Medina Software - April Newsletter $755.38
1077 7-Apr-93 Postmaster - Mailing $320.00
1078 7-Apr-93 I. Abdou - Mar, Apr SP mtg. $46.00
1079 7-Apr-93 L. Dunn - Mar AP/MTT mtg. $184.05
1080 7-Apr-93 D. Flinchbaugh - Mar AES mtg. $196.75
1081 12-Apr-93 E. Evenson - Mar COMP mtg. $86.78
1082 12-Apr-93 Burke - Feb IEEE/CFUUG mtg. $42.50
1083 12-Apr-93 M. Medidi - Mar COMP student mtg. $117.55
1084 27-Apr-93 M. Stickley - LEOS Apr mtg. $60.00
1085 30-Apr-93 M. Belkerdid - COM VT/UFFC Apr joint mtg. $37.06

Total Expenses $1,846.07

DEPOSITS:
  7-Apr-93 Consulting Network Group $524.00
  7-Apr-93 GlobeCom $2,000.00
  7-Apr-93 HQ Rebate 1993 $5,584.68

Total deposits $8,108.68

SUMMARY:

Checking account balance (6 Apr Treasurer’s rpt.) $6,043.09

Less Disbursements $1,846.07

Add deposits $8,108.68

$12,305.70

Checking account balance (4 May Treasurer’s rpt.) $12,305.70

Vanguard Short Term Treasury $20,000.00
Dreyfus Fund Balance (2 April 1991) $0.66
TOTAL LIQUID ASSETS $32,306.36

Respectfully Submitted
Tuesday, 4 May 1993

Parveen Wahid
IEEE Orlando Section Treasurer
IEEE Orlando Section

Dr. Sundaram has my proxy for today (Apr 6) Exec. Comm. meeting.

Parveen Wahid
Apr 6, '93
Meeting Announcements

Unless otherwise stated, non-IEEE members are welcome to attend the meetings listed here. Members are encouraged to invite and bring guests to these events.

AEROSPACE AND ELECTRONIC SYSTEMS SOCIETY
JOINTLY WITH THE
POWER ENGINEERING/INDUSTRY APPLICATIONS SOCIETY

"Florida's MAG PLANE High-Speed Transportation System"

Speaker: Dr. W. David Carrier, III
Bromwell & Carrier, Inc.
Date: Wednesday, May 19th, 1993
Time: Dinner at 6:00 PM (from menu)
Meeting at 7:00 - 8:30 PM
Location: Morrison's Cafeteria
East Colonial Drive - Hwy 50 - near Colonial Plaza on the south side between Bumby and Fern Creek
Contact: D. Flinchbaugh at 859-4855 (H), 859-7310 ext. 34 (W), Bob Nelson at 381-6308 or 260-1676, option 7 Voice Mailbox 213.

CONSULTANTS’ NETWORK
Starting and Running Your Own Consulting Business

Program: It will focus on the steps necessary for entering private practice including: Reference materials, seminars, sources of start-up information; separation issues associated with your current employer; fees, contracts and collections; developing a clientele; software and other business support tools.
Date: Tuesday, May 11th, 1993
Time: Meeting at 6:00 PM
Location: Orlando Public Library, 3rd. Floor, Magnolia Room
Contact: Please make your reservations by leaving message for Jorge Medina at 260-1676, option 7, Voice Mailbox 322.

COMMUNICATIONS/VEHICULAR TECHNOLOGY

Network Engineering: LAN, MAN, WAN
A Video-Conference between Apopka, Winter Park and Kansas City

Speaker: Sprint Representative for Picture-Tel
Program: Hold general election of chapter officers. Overview the Picture-Tel functions (15 minutes). Network Engineering (30 to 45 minutes). Questions and answers.
Date: Friday, May 14th, 1993
Time: 3:00 PM to 5:00 PM
Location: United Telephone building in Apopka, near the intersection of SR436 and Wekiva Springs Road and adjacent to the Albertson's Shopping Center. Look for United Telephone sign and proceed to parking lot and use unmarked parking spaces. Go by the flagpole and through front glass doors. Go immediately to receptionist on your left, in glass enclosure, to sign in and gain access to Room 3G.
Contact: Please make your reservations by calling the Voice Mail at 260-1676, option 7, VM 253 or M. Germain at 678-5599.

ANTENNAS AND PROPAGATION/MICROWAVE THEORY & TECHNIQUE

Frequency Selective Surfaces

Speaker: Dr. Christos Christodoulou, UCF
Program: Analysis of frequency selective surfaces
Date: Thursday, May 27th, 1993
Time: Refreshments at 5:30 PM
Meeting at 6:00 PM
Location: Hewlett Packard, 6717 Lake Ellenor Dr., Orlando
Contact: L. Dunn at 1-407-887-3193 or Bob Smallwood at 825-9217 or leave message at 260-1676 option 7, Voice Mailbox 223.

POWER ENGINEERING/INDUSTRY APPLICATIONS

Fuel Cell Technology Update

Speaker: JoAnn Linder of Westinghouse Emerging Technologies
Program: Fuel cells produce DC electricity by direct chemical conversion of common fuels. Recent advances in DC-to-AC conversion make fuel cells cost effective and practical for bulk power applications. Ms. Linder will discuss fuel cell technology and likely future developments with particular emphasis on solid oxide fuel cells.
Date: Wednesday, May 19th, 1993
Time: Dinner at 6:30 PM, Presentation at 7:30 PM. (Note: There will be an officer’s meeting after the presentation)
Location: Lombardi’s Restaurant at Olympia Place (800 N. Magnolia Avenue, First Union Bank Building) in Orlando.
Contact: Please make your reservations with Neil Crandell at 422-4911, Jim Pipkin at 281-2916 or Bob Nelson at 381-6308.

SYSTEMS/ROBOTICS/CONTROL
JOINTLY WITH THE
NEURAL NETWORK WORKING GROUP

Learning, Recognition and Prediction by Self-Organizing Neural Networks

Program: Video tutorial by Stephen Grossberg, Center for Adaptive Systems, Boston University
Date: Thursday, May 27th, 1993
Time: 6:00 PM
Location: UCF, Eng. Bldg., Room 288, pizza, refreshments, wide-screen TV.
Contact: Dr. M. Georgiopoulos at 823-5338, Dr. H. Myler at 823-5098 or leave message at 260-1676, option 7 Voice Mailbox 303. IEEE members ONLY.
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

EXECUTIVE BOARD
Chairman: Dr. M. Ali Atashroo, Martin Marietta (VM) 901, (O) 356-6914, (H) 539-0465
Vice Chair.: Jacqueline Hines, Sawtek Inc. (VM) 902, (O) 868-8860, (H) 628-1604
Treasurer: Dr. Parveen Wahid, UCF (VM) 904, (O) 823-2610, (H) 677-0571
Secretary: Dave King, Datacube Inc. (VM) 903, (O) 862-9094, (H) 628-4462
Chapters: Jeff Rollman, Martin Marietta Corp. (VM) 906, (O) 356-6310, (H) 671-2568

SOCIETY CHAPTER CHAIRMEN
AES: Dr. David Fitchbaugh (VM) 213, (O) 859-7310, (H) 859-6855
AP/MTT: Laurie Dunn, Kennedy Space Center (VM) 223, (O) 1-407-867-3193, (H) 678-9674
C: Dr. Edwin K. Eversen, UCF (VM) 243, (O) 660-6116, (H) 788-3106
COM/VT: Michael C. Germain, United Tel. (VM) 253, (O) 1-904-326-1483, (H) 678-5599
ED/CHMT: Dr. Kalpathy B. Sundaram, UCF (VM) 263, (O) 823-5326, (H) 671-6843
LEO: Eric W. Van Stryland, UCF (VM) 293, (O) 658-6815
PE/A: James R. Pipkin, Westinghouse (VM) 273, (O) 281-2916
SP: Dr. Ikrarn E. Abdou, Martin Marietta Corp (VM) 233, (O) 356-0322, (H) 671-0397
SRC: Dr. Harley Myler, UCF (VM) 303, (O) 829-5098, (H) 657-4680
UFCC: Thomas E. Voor, Sawtek Inc. (VM) 283, (O) 896-8800, (H) 267-1146

WORKING GROUP CHAIRMEN
Consultants' Network: Jorge Medina, Signtone (VM) 323, (O) 628-4828, (H) 260-1676
Neutral Network: Dr. M. Georgiopoulos, UCF (VM) 313, (O) 823-5338, (H) 275-2665

COMMITTEE CHAIRMEN
Awards: Jorge Medina, Signtone, Inc. (VM) 905, (O) 628-4828, (H) 260-1676
Conf./Ed.: Ed Ellis, (VM) 907/908, (H) 834-3319
Education: Dr. Kalpathy B. Sundaram, UCF (VM) 909, (O) 823-5326, (H) 671-6843
Historian: Dr. Madjid Belkerdij, UCF (VM) 910, (O) 823-5793, (H) 699-4890
Membership: Bob Smallwood, Hewlett-Packard (VM) 911, (O) 826-9217, (H) 365-9724
PACE: Glenn Portz, (VM) 912, (H) 644-2408
Programs: Jacqueline Hines, Sawtek Inc. (VM) 913, (O) 886-8860, (H) 628-1604
Publications/Ed.: Jorge Medina, Signtone, Inc. (VM) 914, (O) 628-4828, (H) 628-5820
Strategic Plan.: Dave King, Datacube Inc. (VM) 915, (O) 862-9094, (H) 628-4462
Jr. Past Chair.: Jorge Medina, Signtone, Inc. (O) 628-4828, (H) 260-1676
Sr. Past Chair.: Dr. Madjid Belkerdij, UCF (O) 823-5793, (H) 699-4890

UCF STUDENT BRANCH
Advisor: Dr. Mario Szaiera, UCF, (O) 396, (H) 366-5694
Chairman: Debra Kemmitz, UCF (O) 83, (H) 658-4595
SRC: Scott Harrell, UCF (VM) 93, (O) 366-7952

IEEE ORLANDO INFORMATION CENTER
Voice Mail: (407) 260-1676, Fax: 260-1636

CHAIRMAN'S CORNER
M. Ali Atashroo, Section Chairman

The Nominating Committee has nominated the final new officers: Jackie Hines (Chair), Dr. Parveen Wahid (Vice Chair), David King (Treasurer), and Dr. Kalpathy Sundaram (Secretary) for the term 7/1/93 - 6/30/94 election. Each nominee has agreed to serve his/her office if elected. Since there was not more than one nominee for each office from the Nominating committee or the Section membership, Section 045, Page 5 of our bylaws states "In the event there is only one nominee in each office, the chairman of the Election Committee will cast the unanimous vote for the slate of the officers on behalf of the Orlando Section members without need for published ballot. To abide by our bylaws, I updated the Election Committee appointments to Dr. Harley Myler, Laurie Dunn, and Thomas Voor. In our May 4, 1993 Executive Committee meeting, the Election Committee will cast the vote on behalf of the Orlando Section members. The new officers then will be installed at our annual installation banquet in June.

The IEEE Florida Council and Region 3 Executive Committee meetings were held on April 3-5, ’93 at the site of the South East Conference (SECON ’93) in Charlotte, North Carolina. There were eight Area/Council representations in the Region 3. Florida Council with 12 Sections is the largest and accounts for 9,620 members of the total 33,439 members in the Region 3. Orlando was the recipient of the Region 3 Exemplary Section award for the second successive year.

Silvia Middleton, General Chair of SECON ’93, reported that the conference had 259 paid-registered attendees and 349 people participants. The thirty nine student-branch participants entered 20 autonomous vehicles for the exciting Hardware-Device Contest. Each vehicle was designed by a four-member student team over a six month period and a budget of $300. The SECON’94 will be held at Hyatt-Regency Miami on April 10-13, ’94. Dr. Osama A. Mohammed of Florida International University is the General Chair (Tel. 305-348-3040).

Carl Hussey, Region 3 Professional Activities director, has approved $500 for the Consultants Network Working Group’s project submitted by Jorge Medina that includes upgrading the Section’s voice mail computer with a mother board (386 SX 40MHz, 4 MB).

“Members in Arrears: Who Are They?” and why was presented at Region 3 ExCom. The statistics are: Total Institute- 13%, Fellows- 0.5%, Senior Members- 1.5%, Members- 8%, Associate- 20%, Recent Grads- (GM/GA)- 50%, Student Members- 25%. The members in arrears for Total Orlando Section is an alarming 19% as of 2/28/93. IEEE has a number of schedules and programs for retention of members in arrears such as 5 years graduated dues for Recent Graduates, Two Half- Payments Provision, and Minimum Income Provision for others. Please contact Bob Smallwood, Membership chair, if you need help with your dues. Also, retroactive to January 27, 1993, IRS reclassified IEEE from C6 to C3 not-for-profit organization which means dues will be deductible as well as no sales tax for Section’s purchase of goods and services.

☆ STAR SEARCH ☆
Jorge Medina, Awards Chairman

As Chairman of the Awards Committee, I need your help one more time to identify nominees for the Outstanding Service and Outstanding Entrepreneur Awards to be presented at the Installation Banquet in June.

The Outstanding Service Award is designed to recognize a member of the Section who, through his service to the Region and to the Institute, has made an outstanding contribution to the electrotechnology profession.

The Outstanding Entrepreneur Award is designed to recognize a self-employed member of the Section who, through his consulting abilities has made outstanding contributions to the electrotechnology profession.

Please use the enclosed Star Search form to nominate your candidate. Complete the form and send it to me by May 15th. I will solicit biographical information from each candidate for use at the June 1st meeting of the Executive Committee in deciding the winner. I will make the nomination process as painless as possible for the nominees! My mailing address and telephone are: P.O. Box 521917, Longwood, FS 32752-1917, (Work) 628-4828, (Voice Mail) 260-1676, option 7, VM 905, (Fax) 260-1636.

ELIGIBILITY
- Only IEEE members with 3 years residency in the Orlando Section are eligible.
- A nominee cannot be considered for more than one award simultaneously.
- Current members of the Section Executive Board and Awards Committee are not eligible.
- Previous award recipients, even from other Sections, are not eligible for the same award.
- The candidate need not be a member of a Group or Society.
National Telesystems Conference
June 16 - 17, 1993 • World Congress Center • Atlanta, Georgia

"Telesystems in Transition: Commercial Applications and Dual-Use Technology"
(held concurrently with the 1993 MTT-S International Microwave Symposium and Exhibition)

The 1993 National Telesystems Conference, to be held in Atlanta this June, focuses on the theme Telesystems in Transition: Commercial Applications and Dual-Use Technology. With recent real declines in military budgets, our industry is exploring ways to leverage existing military technology through dual-use commercial applications. In addition, the federal government is taking steps to stimulate growth in dual-use and commercial R&D as an element of technology policy. A key objective of NTC'93 is to bring together those with a common interest in the changing aerospace/electronics business environment. A Plenary Session focusing on government/industry partnerships and key trends in federal R&D funding will address this objective. Featured speakers include:

Plenary Session, June 16
"Emerging Strategic Partnerships in Technology: Industry, Government, and Universities"

Mr. John M. Swihart, President, National Center for Advanced Technologies
Dr. Robert H. Aten, Manager, Strategic Partnerships Initiative, U.S. Department of Commerce
Dr. Herbert Lee Buchanan, Defense Technology Transfer Office (DoD), Advanced Research Projects Agency

Panel Discussion, June 17
"Technology Transfer, Processes and Initiatives"

Mr. James Hughes, Electronic Industries Association
Mr. Lee Rivers, Executive Director, National Technology Transfer Center
Dr. Stuart Bailey, Vice President and General Manager, ARINC Research
Mr. William Martin, Vice President, Technology Transfer, Oak Ridge National Laboratory
Dr. John Copeland, Technology Transfer Chair, Georgia Center for Advanced Telecommunications Technology
Mr. Eliot Cohen, Executive Director, Microwave & MMW Technology, Advanced Research Projects Agency

Technical Sessions (June 16 - 17)

- Optical Communications
- Sensor Signal Processing
- Space Navigation/GPS
- Data/Video/Audio Sat. Transmission
- Personal Communications Systems
- Aircraft Navigation/Enhanced Vision
- Satellite Communications
- Telemetry & Remote Sensing
- Antennas
- IVHS
- Multimedia
- Radar

ADVANCE REGISTRATION

Name __________________________ IEEE Membership No. __________
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Country __________________________ FAX No. __________

IEEE Member @ $145/Non-member @ $175 (to May 15) $ _______
IEEE Member @ $165/Non-member @ $195 (after May 15) $ _______
Committee/Speaker @ $125 $ _______
Student @ $50 $ _______
Total Amount Enclosed $ _______

Make check payable to: 1993 National Telesystems Conference
(Checks only, please). Registration fee includes copy of NTC'93 proceedings, and admission to all NTC technical sessions, keynote address, and panel sessions.

Mail to: National Telesystems Conference Registration, Daniel H. Howard, GTRI/COML,
Georgia Institute of Technology, Atlanta, Georgia 30332-0800, Phone: (404) 894-3541
THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC.

ORLANDO SECTION AWARD CANDIDATE SEARCH FORM

1. AWARD: ______ Outstanding Service Award
   ______ Outstanding Entrepreneur Award

2. NOMINEE:
   Professional Affiliation and Title:
   Current Address:
   Work Phone: (    ) __________________________
   Home Phone: (    ) __________________________

3. PROPOSED CITATION (30 words or less) FOR:

4. IEEE SOCIETY/BOARD RELEVANT TO ACHIEVEMENT CITED:

5. SUBMITTED BY:
   IEEE Position and Grade:
   Current Address:
   Work Phone: (    ) __________________________
   Home Phone: (    ) __________________________

6. ARE YOU WILLING TO PREPARE THE NOMINATION FORMS YOURSELF? YES _____ NO _____

7. POTENTIAL ENDORSERS (two required who are familiar with nominee, who can attest to his/her contributions and to the importance thereof)

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<thead>
<tr>
<th>A. Name</th>
<th>B. Name</th>
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8. BRIEF EVIDENCE TO SUPPORT NOMINATION/YEAR ACHIEVEMENT/IMPORTANCE:

9. SUGGESTED NOMINATOR(S) IF DIFFERENT FROM #5:

Submittal of this form does not replace the necessity of a completed nomination form. See page #2 for candidate qualifications.
The Orlando Section Monthly Advertisement Rates

The Orlando Section of the IEEE encourages placement of technical, professional, promotional, and commercial advertisement in the Orlando Section Monthly. This newsletter, read by more than 1,400 members and over 200 key area industries, is published 11 times a year, August through June. The due date for the receipt of the camera ready ad and payment is the 1st Tuesday of the month preceding the month of publication.

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Please call the IEEE Orlando Voice Information Center to place your ads or mail your camera ready material and payment to:
IEEE Orlando Section
385 Commerce Way, Suite 101
P.O. Box 521917, Longwood, FL 32750
Tel.: (407) 260-1676, Fax: (407) 260-1636

EVENTS CALENDAR

For the latest and/or additional information call the IEEE Orlando Voice Information Center 260-1676, option 7 and enter the respective Voice Mailbox (VM) number.

April 29
IEEE COMVT & UFFC - Crystal Filters Intermodulation Characteristics and Measurements - J. Mink (O) 886-8860

May 3

May 4
IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465

May 11
IEEE Consultants' Network - Starting and Running Your Own Consulting Business - Orlando Public Library, J. Medina, (VM) 323, (O) 260-1676

May 14
IEEE COMVT - Network Engineering: LAT, MAN, WAN - United Telephone, M. Germain, (VM) 253, (O) 678-5599

May 19
IEEE AES & PE/A - Florida's MAG PLANE High-Speed Transportation System - Morrison's Cafeteria, D. Finglingham, (VM) 213, (O) 859-7310

May 19

May 27

May 27
IEEE SRC & NN - Learning, Recognition and Prediction by Self-Organizing Neural Networks - UCF, M. Georgiopoulos, (O) 823-5338

Jun. 1
IEEE Orlando Section - EXCOM - Hewlett-Packard, A. Atashroo, (VM) 901, (O) 356-6914, (H) 539-0465

Jun. 1-3
IEEE CHMT - 43rd Electronic Components & Technology Conference - P. Walsh, (202) 457-4932

Jun. 8
IEEE Consultants' Network - Video Technical Tutorial Seminar on Neural Networks: Algorithms and Microhardware - Orlando Public Library, J. Medina, (VM) 323, (O) 260-1676

Jun. 14-18
ACM/IEEE/EDAC - 30th Design Automation Conference - Dallas Convention Center, Dallas, TX - MP Associates (930) 530-4333

Jun. 16-17
IEEE National Telesystems Conference - Telesystems in Transition: Commercial Applications and Dual-Use Technology - World Congress Center, Atlanta, Georgia, E. Barnhart, (404) 894-8248

NEED ANY ASSISTANCE?
The Referral Service of the IEEE CONSULTANTS NETWORK OF ORLANDO has over 60 engineering, technical and managerial consulting professionals available to help you with your particular problem. The Network's ethical code ensures the highest professional standards.

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7381 114 Ave. N., Unit 410
Largo, FL 34643
(813) 546-9371
TO: Parveen F Wahid, Treasurer

FROM: Gloria Gutwein, Supervisor,
Section/Chapter Support

SECTION: IEEE ORLANDO Section

SUBJECT: 1993 SECTION REBATE FOR 1992 REPORTED ACTIVITIES

To calculate your 1993 Section Rebate, we have the option of two formulas. They are the new 1993 Section membership formula and the other is the 1992 membership and meeting activity formula. Enclosed are copies of the 1992 and 1993 Rebate Schedules.

We have provided statements generated by each formula, paying the greater rebate calculated by either of the two.

Attached is the 1993 Statement of Rebate for your Section. PLEASE NOTE: THE CHECK WAS FORWARDED SEPARATELY TO YOUR ATTENTION.

PLEASE DEPOSIT THE CHECK PROMPTLY and return this memo to me by July 1, 1993 indicating below that you have received payment. For convenience in responding an envelope is provided.

We wish to thank you for your cooperation in providing the necessary financial, meeting and current Section Officer reports. Should you have any questions concerning your Section Rebate, please contact Ms. Gloria Gutwein, Supervisor, Section/Chapter Support. Email: g.gutwein@ieee.org, Tel: 908-562-5515, Fax: 908-981-0027.

cc: Section Officers

__________________________________________________________________________

THIS IS TO ACKNOWLEDGE THE ORLANDO SECTION HAS RECEIVED AND DEPOSITED THE 1993 REBATE PAYMENT OF $ 5584.68.

DATE: ___________________ SIGNATURE: ________________________

OFFICER: ___________________________
IEEE REGIONAL ACTIVITIES DEPARTMENT
STATEMENT OF REBATE
MARCH 1993

SECTION: ORLANDO (FC)  
GEOCODE: 03 05 51 00

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MEETING REBATES

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| Chapter Members (HG)/Affil.Rebate:* | 734 | $ 0.70 each | 513.80 |

TOTAL ANNUAL 1993 REBATE
March 1993 Rebate

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LESS DEDUCTIONS

| LESS DEDUCTIONS | 25.62 |

MARCH 1993 REBATE

| MARCH 1993 REBATE | 2779.53 |

*UNIT BREAKDOWN ATTACHED
# Meeting Category Summary

**Date: 04/06/93**

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<th>Exec</th>
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**TO BE ELIGIBLE FOR A REBATE:**

- **Sections** must hold **5 or more meetings.** This can include **chapter meetings.**
- **Subsections** must hold **5 or more meetings.**
- **Chapters** must hold **4 or more meetings.**

**Reference 1993 Rebate Schedule**
1993 IEEE STATEMENT OF REBATE
CHAPTER ACTIVITIES

SECTION ORLANDO (FC) 03 05 51 00

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* For computational purposes - chapters having less than the required 2 meetings appear as having 0 meetings.
IEEE REGIONAL ACTIVITIES DEPARTMENT
STATEMENT OF REBATE
1993

05/17/93

SECTION: ORLANDO (FC)  GEOCODE: 03 05 51 00

SECTION ALLOWANCE  1500.00

Section Members (HG)  1178
Student Members  87
Affiliates  84

Total  1349  @ 2.50  3372.50

TOTAL ANNUAL 1993 REBATE  4872.50

LESS DEDUCTIONS  25.62

NET REBATE  4846.88

*UNIT BREAKDOWN ATTACHED
# IEEE ORLANDO SECTION - FINANCIAL SUMMARY, 4 MAY 1993

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## INCOME

1. '93 Section Rebate for 1991 Activities
2. Chapter Income (National Society Support):
   - AES
   - AP/MTT
   - CHMT/ED
   - COM/VT
   - COMP
   - LEOS
   - PE/IA
   - SP
   - SRC
   - UFFCS
   - Strategic Planning Committee
   - Consulting Network Working Group
   - PE/A Tutorial
   - Banquet/Social Events
   - Advertisement
   - GlobeCom '92
   - Student Chapter
   - Newsletter Rebate
   - Interest

### TOTAL INCOME

| 40439.22 | 9175.55 | 23 |

## EXPENSES

1. Publications/Mall/Directory
2. Officer Expenses:
   - Secretary
   - Chapter's Chairman
3. Chapters:
   - AES
   - AP/MTT
   - CHMT/ED
   - COM/VT
   - COMP

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by: Dr. David E. Flinchbaugh, P.E., Chairman & Treasurer
     Dr. Robert E. Harey, Vice Chairman & Secretary

During the past operations year our chapter enjoyed the participation in and planning of four very interesting meetings. Three of these meetings were conducted at the offices of the Technology Consulting Center at 822 East Wallace Street in south Orlando, and the fourth was held at Morrison's Restaurant on Colonial Drive near Bumby Avenue. The restaurant meeting also had invited co-sponsors from the IEEE PE & IA Society and from the Society of Manufacturing Engineers.

Drs. J. Robert Ashley and David E. Flinchbaugh presented the November 24, 1992 meeting on the subject of "EMFs, Epidemiology, and IEEE Standards." Attendance included 6 IEEE members and 6 guests for this very timely topic involving misguided public perceptions and a strong lack of any definitive scientific data on potential public health hazards.

Dr. David C. Webb, Director of the International Hypersonic Research Institute, presented a novel view of future earth and space travel and exploration utilizing the "Single Stage to Orbit Rocket System" on December 15, 1992. Attendance included four IEEE members and four very interested guests, some representing Air Force, NASA, and space coast industries.

Dr. W. David Carrier is the speaker for the May 19, 1993 meeting at Morrison's Cafeteria. He is presenting detailed information on the design, construction, and operation of "Florida's MAG PLANE High-Speed Transportation System". This is of particular interest to us because of the potential bidding and construction of a 300-mph vehicle flying just 6-inches off the ground rail between Orlando and Tampa in just a few years. The IEEE PE & IA Society local members also expressed an interest in learning about this fantastic commuter system, along with the manufacturing engineers who may perform the fabrication of the vehicles.

Mr. James E. Mizell, former NASA Kennedy Space Center spokesman, will provide "An Update on Florida's Commercial Space Ventures" on June 16, 1993 at the Technology Consulting Center. We are looking forward to hearing about the new contracts involving E-Prime Aerospace, Coleman Research, Inc., and Eckler Corvette, Inc. which should keep many of our aerospace experts constructively employed as we compete for future national, international, and private industry sponsored space programs.
## AWARDS BANQUET FEBRUARY 1993

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FLORIDA COUNCIL/REGION 3 - SECTION'S REPORT

Today Date: April 4, 1993 Covers Period: 1/92-3/93

Section Name: Orlando
Chairman's Name: M. Ali Atashroo

Section Meetings Held:
The Executive Committee held meetings faithfully every first Tuesday of the month at HP facility except in July 1992 when the new executive board members had their organization meeting. All executive committee meetings had quorum (>11 voting officers in attendance). See the attached summary table.

Society Meeting Held:
The Section's ten society chapters and two working groups held a spectrum of technical meetings with invited speakers or video presentations. See the attached summary table for the meetings and the attendance.

Other Meetings/Seminars/Etc. Held:
The "Family Fun Day", a social gathering for Section members and their families, was held at Wet & Wild in Orlando on Sunday Sept 13, 1992. One hundred and eighty eight (188) IEEE members and their family members participated in the event.

PE/IA ran a well received seminar series on Power Generator during the period September through November 1992. Forty seven registered for the seminar and there were on average thirty five attenders per each of the nine sessions. The seminar proceeds were over $2,900.

The Section co-sponsored GLOBECOM 92 Conference held at Buena Vista Palace on Dec 6-9, 1992. See the attached for details.

Section co-sponsored a "Student Essay Contest" with University of Central Florida and Westinghouse Electric Corporation for National Engineering Week. Held a luncheon in honor of Award recipient on February 17, 1993.

Section Awards banquet was held on Saturday February 27th, 1993 at Omni Orlando Hotel with seventy in attendance. The Section's nine Fellows and their squads were invited as guests. Florida Council representative presented the Florida Council Outstanding Engineer and Outstanding Engineer Educator Awards to the Section winners.

The Section's Technical Video Library (TVL) started in early 1992 and grew to twenty nine video tape sets by December 1992. As of April 1993, the TVL contains forty six video tape sets. Twenty seven Orlando Section members have borrowed one or more video tape sets from TVL during this period.

World Congress on computational Intelligence sponsored by IEEE Neural Network Council will be held in June 25-July 4, 1994 at Walt Disney Dolphin Hotel. The Orlando Section volunteer team will help with the local operations for five percent of the surplus.

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REPORT TO IEEE REGION 3 AND FCIEEE FOR PRESENTATION BY
DR. ALI ATASHROO ON 3 APRIL 1993.

GLOBECOM' 92, A CONFERENCE JOINTLY SPONSORED BY THE
COMMUNICATIONS SOCIETY (COMSOC) OF IEEE AND THE ORLANDO SECTION,
WAS HELD IN ORLANDO IN DECEMBER 1992. ATTENDANCE AND EXHIBITOR
PARTICIPATION BOTH EXCEEDED THE ANTICIPATED NUMBERS, WITH OVER
1700 TOTAL ATTENDANCE. THE TECHNICAL PROGRAM AND OVERALL
CONFERENCE ACTIVITIES WERE VERY WELL RECEIVED BY ALL ATTENDING.

THE ANALYSIS OF ATTENDANCE FIGURES BY TYPES OF
REGISTRATION (MEMBER/NON-MEMBER/STUDENT, FULL/PARTIAL/SINGLE-DAY
REGISTRATION) AND FINANCIAL REPORTS ARE BOTH TO BE PRESENTED AT
THE NEXT INTERNATIONAL COMMUNICATIONS SOCIETY CONFERENCE, TO BE
HELD IN GENEVA, SWITZERLAND, IN JUNE 1993, BUT THESE REPORTS
HAVE NOT BEEN COMPLETED TO DATE.

PLANNING FOR THIS CONFERENCE STARTED WITH PRESENTATION
OF A PROPOSAL TO THE COMSOC CONFERENCES BOARD IN 1987.
PREPARATIONS STARTED IN EARNEST WITH THE NAMING OF A GENERAL
CHAIRMAN AND COMPLETION OF THE HOTEL SELECTION PROCESS IN EARLY
1990. OVERALL, CONFERENCE PLANNING WAS A LEARNING PROCESS,
GUIDED BY EXPERIENCED COMSOC PERSONNEL INVOLVED IN EARLIER
CONFERENCES. MOST OF THE EXECUTIVE COMMITTEE WERE FROM THE
MARKETING AREA IN COMMUNICATIONS, WITH ONLY THE TECHNICAL
COMMITTEE AND FOUR OTHER COMMITTEE MEMBERS BEING IEEE MEMBERS.
PLANNING FOR THE TECHNICAL PROGRAM WAS PERFORMED BY PERSONNEL
FROM AT&T AND BELLCORE, BOTH IN N.J., AT CONSIDERABLE SUPPORT
EXPENSE TO THESE TWO COMPANIES. LOCALLY, FOUR COMPANIES
CONTRIBUTED VERY SUBSTANTIALY TO THE CONFERENCE, IN SERVICES--
PERSONNEL, SUPPLIES, MAILING, REPRODUCTION, HOSTING COMMITTEE
MEETINGS, TRAVEL EXPENSES. THERE IS LITTLE DOUBT BUT THAT TOTAL
CONTRIBUTIONS OF THESE SIX COMPANIES EXCEEDED EVEN THE GROSS
FINANCIAL RECEIPTS MANY-FOLD.
### ORLANDO SECTION IEEE EXECUTIVE COMMITTEE

#### MEETING AGENDA

June 1, 1993

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<td>18. Old Business/New Business</td>
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<td>19. Adjourn</td>
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* Voting Officers: Total 19

Quorum 9+1=10

### TOTAL

74
Date: May 4, 1993

Location: Hewlett-Packard, 6177 Lake Ellenor Drive, Orlando, Florida 32809

Attendants: Parveen Wahid
Jorge Medina
Tim Young
Issa Batarseh
Michael Germain
David Flinchbaugh
Tom Voor
Jim Pipkin
Laurie Dunn
Ed Ellis
Dave King
Ali Atashroo
Ewell Menghe
Harley Myler
Jeff Rollman
Jackie Hines

1. Call to Order

The meeting was called to order at approximately 6:05 pm.

2. Chairman's Remarks - Ali Atashroo

The $500.00 dollar request for upgrading the voice mail computer and the money for approving travel to the section congress is about $100 dollars over plan.

Ali sent around a proposed update to the IEEE constitution for signature.

At the region 3 meeting in North Carolina a PACE meeting was held. Ali picked up a package for Glen Portz.

Another package was retrieved for education and a list of video tapes kept by Region 3. Three tapes for engineering week promotion were ordered from headquarters. These tapes are good for IEEE promotion on general.

Yuel Menghe presented the region 3 award for exemplary section for good record keeping and reports. Ali commended the section on good teamwork.
Ali passed on a call for papers from Singapore for signal processing.

IEEE line teleconferencing was brought up. The cost per society is $200.00.

Membership math. If we do not have 50,000 new members every year, the IEEE does not stay even. Hence 50,000 = 0. The bad news is that we are dropping to 1119 members. 191 members are in arrears. We used to be up around 1400 and have dropped. Ed Ellis also mentioned that it is typical to have this many in arrears. Jorge Medina also mentioned that the number of members climbed last month to around 1219.

A PE refresher course is going to be set up for late spring early summer. Dick Miller is going to teach the course. Only one more issue of the newsletter is coming out so timeliness is important.

A technical session director for Southcon is being solicited. Last year Dr. Osamo Mohammad from FIU did the job. The responsibilities include putting out a call for papers, receive and review them etc. Dr. Issa Batarseh expressed interest in the position.

3) Quorum/Agenda

The session had a quorum.

4) Chapter Reports

AES - David Flinchbaugh

Next meeting on the 19th of May. A joint PE/IA meeting is going to be held on the Mag Plane. A detailed talk on the design and construction of this system will be held. The suggestion was made to contact the Sentinel for publicity on the Magplane.

The point was made that some effort needs to be made to avoid conflicts in the meetings scheduled for every month. A further suggestion was made to utilize the voice mail to implement this. The further suggestion was made to amend the by-laws. The point was raised about having section officers attend officer training.

The June meeting has been planned with James Mizell for KSC. there will be an update on Central Floridas commercial space ventures.

AP/MTT - Laurie Dunn

A meeting is to be held this month on frequency selective surfaces.

COMPUTER - E. Evenson

No Report.

COM/VT - Michael Germain
There is a meeting to be held this month in a video conference on 'network engineering'. The capabilities of televideo conferencing will be highlighted. The meeting will be held on May 14th for 3:00 to 5:00. Apopka and Kansas City will be connected for this meeting.

The proposal is put forth that we need to decide exactly what we should be doing for communications capability. I.e. bulletin board service, faxbroadcast, e-mail etc. A substantial discount could be gotten as an affiliate of United Tel for instance.

A committee is being formed to investigate the options for IEEE communications. Jorge Medina, Michael Germain, Harley Myler and Ali Atashroo will sit on the committee.

ED/CHMT - Kalpathy Sundaram

No Report. Sundaram gave his proxy to Parveen. Fourteen people attended the March meeting.

LEOS - Dr. William Silfvast

No report.

Neural Network WG - Dr. M. Georgiopoulos

No Report.

PE/IA - Jim Pipkin

The meeting being held by PE/IA on the same night as the AES will be changed. Jim is going to put off the change for a couple of weeks. PE should contact Karl Lohman for the forms for exemplary chapter in the region.

SP - Ikram Abdou

A planning session will be held this month. The officers have been chosen.

SRC - Dr. Michael Harris

A joint meeting will be held this month with the Neural Net group. Noone came to the last meeting.

UFFC - Tom Voor

A meeting was held last month voting to retain the current officers.

STUDENT - Debra Kenmitz

No Report.
Consultants Network - Jorge Medina

Last month a meeting was held on the University Commerce connection. The consultants directory has been assembled. The national membership is at 1000. The goal for this year is 2000 members with 20 networks. A door prize is being offered of a consultants services for one day.

Nominating Committee

The new executive committee officers were nominated, and voted in. The are Jackie Hines for Chairman, Parveen Wahid for Vice Chairman, David King for Secretary and Sundaram Kalpathy for secretary.

The chapters chairman moved to begin chapter elections for outstanding chapter of the year.

5. Treasurers' Report - Wahid Parveen

Ali mentioned that the cost of the West Coast newsletter is much cheaper than ours. The treasurers report was approved.

6. Minutes of Previous Meeting - David King

The minutes of last meeting were reviewed and approved.

7. Vice Chairman's Report - Jackie Hines

The Florida science fair was a very interesting event. The winner of the IEEE award was a young girl who had made a light seeking robot. There was a mix-up on the award. The lesson is to be sure that, as a judge, you make clear to the awarders who is to receive the award.

A speaker has been selected for the banquet. Derek Brennan from United Tel who is VP of network and CIO has been selected.

The by-laws revision committee has agreed to approach the task in two stages with an initial group doing the preliminary draft and a letter review.

8. Chapter's Chairman - Jeff Rollman

PE/IA has been selected as the chapter of the year. Several changes were proposed in the process for determining the outstanding chapter. PE/IA was cited for an outstanding activity index. UFFC actually had a higher index, but their low membership masks the actual activity level. It was suggested that the strategic committee discuss this topic and recommend ways to improve the chapter award selection process.
9. Voice Mail - Jorge Medina

See Publications below.

10. Membership Development - Bob Smallwood

No Report.

11. Awards - Jorge Medina

No Report.

12. Programs - Jackie Hines

Two choices have been made for the banquet. Either the heritage Inn on International drive or the Outback at Lake Buena Vista. The heritage inn is a very relaxing setting. There would be a band and dancing afterwards. The cost would be $23.00 dollars including tax and gratuity. The choices of dinner menu were reviewed and the venues were reviewed. The date for the banquet is June 19th.

The choice was a tough one, but the Outback won the day. A combination of ribs and chicken was selected. Mousse was selected for dessert.

13. Conference - Ed Ellis

The Florida section for a flat fee of 5,000 would do local arrangements for the PE conference. The Florida Council would get some benefit from the conference. This arrangement was put forth by Jim Hoard at the Region 3 meeting. This idea was met with considerable discussion. It was suggested that we have some more input as to the arrangements for this conference.

14. Publications - Jorge Medina

Jorge needs the meeting announcements by the end of the week 260-1636 is the fax number for Jorge.

Two nominees for outstanding entrepreneur and one for outstanding engineer have been recieval.

Jorge put in for $675.00 from region 3 and received $500.00, for the upgrade for the voice mail system. Jorge can get a 486 for approximately $800.00. Jorge also has several systems under consideration for alternative systems. The same communication committee will look into this matter.

15. PACE - Glen Portz

Glen is concentrating on employment assistance. Glen has recently heard from a local
employer in antennas. The company is called technical systems associates located in Regency Park in South Orlando. The section is going to publish mini-resumes in the newsletter for employment assistance. The mini-resume should include the title of the job sought for, a 75 word resume and a phone number.

16. Education - Sundaram Kalpathy

No report.

17. Strat Planning Committee - Dave King

No Report

18. Old Business/New Business

No Business.

19. Adjourn

The meeting was adjourned at approximately 9:00 pm.
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<thead>
<tr>
<th>Name</th>
<th>Phone 1</th>
<th>Phone 2</th>
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<tbody>
<tr>
<td>Dave King</td>
<td>862-9094</td>
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<td>Ali Atashroo</td>
<td>356-6914</td>
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<td>Parveen Wahid</td>
<td>823-2610</td>
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<td>KB Sundaram</td>
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<td>Jorge Medina</td>
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<td>Glenn Portz</td>
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<td>Bob Smallwood</td>
<td>826-9217</td>
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<td>Ron Miller</td>
<td>826-9379</td>
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<tr>
<td>Maurie Dunn</td>
<td>678-9074 (H)</td>
<td>407 867-3193 (W)</td>
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<td>Dr. Dave Flinchbaugh</td>
<td>859-7510 x34 W</td>
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<td>Tim Young</td>
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ORLANDO SECTION IEEE
EXECUTIVE COMMITTEE MEETING MINUTES
REGION 03, SECTION 05, COUNCIL 51
Volume III, Number II, Circulation 18

Date: June 1, 1993
Location: Hewlett-Packard, 6177 Lake Ellenor Drive,
Orlando, Florida 32809
Attendants: Ali Atashroo
Parveen Wahid
Jorge Medina
Kalpathy Sundaram
Glenn Portz
Bob Smallwood
Ron Miller
Tim Young
David Flinchbaugh
Laurie Dunn
Dave King

1. Call to Order

   The meeting was called to order at approximately 6:06 pm.

2. Chairman's Remarks - Ali Atashroo

   Bob Smallwood spoke first on membership. Bob is relinquishing the duties of
   membership chairman to Ron Miller, also of HP. Hearty thanks were recomended to
   Bob for his years of service and a job well done.

   Ali has distributed names for all of the chapters coordinators and presidents. This is
   important info for the chapters chairman.

   The section congress is starting July 1-4. Ali has the agenda. Let Ali know if there are
   any inputs for that congress. Section management, concerns and activities are major
   areas of discussion. IEEE exhibits and newsletters is another area.

   With regard to e-mail and bulletin board service, Ali has a quote to distribute to the
   committee. Ali was able to get the quote through Martin Marietta with Ali as
   coordinator using an alias. alia@orl.mmc.com is the e-mail adress for Ali at Martin.
   a. atashroo@ieee.org may be the internet alias to be used.

3) Quorum/Agenda

   The session had a quorum.
Chapter Reports

AES - David Flinchbaugh

There will be a meeting as scheduled on June 16. David would like the street address to be published with the announcement. The magplane meeting was excellent. The 300 mph number is real. There were 19 people in attendance. The proposal is being negotiated with the DOT in Florida. There has been a grant from DOT nationally. It does look like a promising technology. Models have been tested but no such system is as yet in existence. It is a linear synchronous motor with superconductive magnets in the vehicle itself.

AP/MTT - Laurie Dunn

There was an interesting and well received meeting on frequency selective surfaces presented last month. Amir Mortazawi and Walter Arjeneaux will be vice and chairman respectively.

COMPUTER - E. Evenson

No Report

COM/VT - Michael Germain

No Report.

ED/CHMT - Kalpathy Sundaram

No Report.

LEOS - Dr. William Silfvast

An excellent meeting was held last Saturday. The speaker from Berkely and working in conjunction with Lawrence Livermore spoke on very very fast laser systems. He is the national distinguished lecturer this year. There were about 45 people in attendance. There was good student turnout. The speaker from University of Paris covered primarily on the interaction of laser light of various types. Frequency multiplication, different laser types and specifically for ophthalmological applications was the focus of the talk.

Neural Network WG - Dr. M. Georgiopoulos

No Report.

PE/IA - Jim Pipkin

No Report.
SP - Tim Young

There was a meeting last month with the new officers. Some activities are planned for next year, including a meeting for June and a tour of ORMC MRI labs.

SRC - Dr. Michael Harris

There was a meeting last month.

UFFC - Tom Voor

No Report.

STUDENT - Debra Kenmitz

No Report.

Consultants Network - Jorge Medina

There was a panel discussion with three practicing consultants. Next month we will have video tutorials. Three new members joined at the last meeting. The topics will be reviewed this month and there will not be a meeting in June.

A new publication called 'Hotflash' is out for contract engineering and consultants. It is published in Tennessee.

There are two new Consultants networks. One in Arizona and one in Texas. There will be a national meeting taking place hopefully in August. The IEEE will be voting on accepting the CN as a formal entity by the USAB. Approval of backing for the local CN is not going through. The Orlando network is currently the second largest in the country.

5. Treasurers' Report - Wahid Parveen

A question was raised about the COM/VT book purchase. The Treasurer's report was reviewed and approved.

The financial summary was reviewed. We will look into the IEEE fund as a possible alternative to the current Vanguard account.

6. Minutes of Previous Meeting - David King

Several corrections were made to the last report. The minutes were left intact regarding the amount of money applied for through region 3. It was noted that it now appears that that money will not be approved after all. The Minutes of the previous meeting were reviewed and approved.

7. Vice Chairman's Report - Jackie Hines
No Report.

8. Chapter's Chairman - Jeff Rollman

No Report

9. Voice Mail - Jorge Medina

Jorge's wife has been updating the system since none of the chapters chairman have been leaving messages. Some new software upgrades have become available and Jorge will report on these most likely at the next meeting. The UPS seems to help.

10. Membership Development - Bob Smallwood

Ron Miller at HP is willing to take over as membership development for Bob as he is resigning as head of membership development. The latest membership count as of 4/30 is 1273.

11. Awards - Jorge Medina

At the end of the meeting tonight we will vote on the outstanding entrepreneur and the outstanding service award. The outstanding corporate award will be going to Hewlett Packard again this year.

12. Programs - Jackie Hines

No Report.

13. Conference - Ed Ellis

It was mentioned that we need to find out about World Conference and Southcon. Also Rathana Gutha has been receiving bills for label for the upcoming conference but has not responded to these bills thus far.

15. Publications - Jorge Medina

We received a six month payment for the continuation of the ad from Largo. Also an optical company has inquired for advertising.

16. PACE - Glen Portz

In the last section monthly there were two items. One for positions wanted ads. No responses came in for this. Two responses came in for positions available with the antenna manufacturer. The information was passed on to the inquirers.

There will be a national PACE conference in Oregon this year. Glen is not planning to attend. Jackie needs to know about this since she will be putting together standing
conference chairs for next year. National has enough travel budget for about ten people, but that will most likely include regional chairman etc.

Ali suggested requesting the $400.00 for travel and Orlando may work out the rest of the travel money.

17. Education - Sundaram Kalpathy

All of the missing videos have been found and all are put in order.

18. Strategic Planning Committee - Dave King

The interest rates look like they will be staying even or going down so our vanguard account looks like it is in good shape.

18. Old Business/New Business

A student has been in contact with Bob Smallwood to present the electric cart project. It was discussed as to when and where it would be good to have a presentation. The suggestion was made to have it presented at the banquet.

19. Adjourn

The meeting was adjourned at approximately 7:20 pm.