IEEE Orlando Section
1993 Installation Banquet

Jorge Medina, Awards Chairman

The annual installation banquet was held on June 19th at the Outback Restaurant in Lake Buena Vista and attended by 30 people. Awards Chairman Jorge Medina served as Master of Ceremonies. Jacqueline Hines who doubles as the Section Vice Chairperson and the Programs Chairperson is to thank for a nice evening; she took care of all the arrangements with the restaurant, lined up the banquet speaker, and provided photographic coverage of the event. Mr. Derek Brennan, Vice President of Networks and Chief Information Officer of Sprint United Telephone of Florida was the speaker of the evening. The topic was: Telecommunications: Yesterday, Today, Tomorrow. After the question/answer session the installation ceremonies began.

The Outstanding Corporate Service Award was presented to Hewlett-Packard, Inc. of Orlando. H-P has been a constant and vigorous supporter of IEEE activities in the Orlando area. Specifically, H-P has provided meeting facilities for the Orlando Chapter AP/MTT and the Executive Committee each month for the past year. In addition, H-P provides very good refreshments at these meetings. We believe that H-P sets the standard for Corporate support of IEEE and we are delighted to make this award to the person who sets the tone in his organization: Rick Lane, District Manager for Hewlett-Packard. Accepting the award for Hewlett-Packard of Orlando was Bob Smallwood.

The Outstanding Service Award was presented to Dr. David E. Flinchbaugh for 25 years of continuous service and participa-

See 1993 Installation Banquet, page 3

Jim Walter (left) presents Section Chairman, Dr. Ali Atashroo, with a check for $16,000 as the remainder of proceeds to the Orlando Section for its sponsorship of the 1992 GlobeCom.

Outstanding Chapter Chairman Award, James R. Pipkin (left), Outstanding Entrepreneur Award, Eugene P. Augustine, Outstanding Corporate Service Award, Bob Smallwood, and Outstanding Service Award, Dr. David E. Flinchbaugh.

Outgoing Section Chairman, Dr. Ali Atashroo (left), presents Section Plaque and Gavel to incoming Section Chairperson, Jacqueline Hines.
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Region 03 Council 05 Section 51
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UFFC: Thomas E. Voor, Sawtek Inc.
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Neural Network: Dr. M. Georgiopoulos, UCF
(VM) 313, (O) 823-5338, (H) 275-2665

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(VM) 901, (O) 356-6914, (H) 539-0465
Conference: Ed Ellis, UCF, (VM) 90, (H) 834-3319
Education: Dr. Kalpathy B. Sundaram, UCF
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Historian: Dr. Madjid Belkerdij, UCF
(VM) 910, (O) 823-5793, (H) 699-4990
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PACE: Glenn Portz, (VM) 912, (H) 644-2408
Programs: Dr. Parveen Wahid, UCF
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Jr. Past Chair: Dr. Ali Atashroo, Martin Marietta
(VM) 901, (O) 356-6914, (H) 539-0465
Sr. Past Chair: Jorge Medina, Sigtone, Inc.
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Jacqueline H. Hines, Section Chairman
CHAIRMAN'S CORNER

A new year starts for the Orlando Section. I look forward to an exciting and challenging year serving the Section. The 1993-1994 year holds the promise of many technically rewarding and socially enjoyable IEEE functions. Dr. Wahid, Dave King, Dr. Sundaram, and I would like to welcome the active participation of Section members in the Executive Committee meetings and committees. Executive Committee meetings are held the first Tuesday of each month (see calendar), and are open to any interested members. If you are interested in getting involved in Strategic Planning or other committee functions, please attend the August meeting.

After several years in their respective positions, two of our appointed committee chairmen have decided to retire from their positions this month. Glenn Portz has done an outstanding job as the PACE Committee Chairman, organizing section meetings, assisting members with employment opportunities, and attending PACE conferences and functions as a means of keeping the Orlando Section up to date. Thank you, Glenn, for an outstanding job. Glenn will be glad to turn over his information to a new PACE Committee Chairman, so any members interested in serving the Section in this capacity, please contact a member of the Executive Board. Bob Smallwood, our Membership Committee Chairman, is also leaving his post this month. Another H-P engineer, Mr. Ron Miller, has volunteered to take on this position. Thanks for all your efforts in advancing the membership of IEEE and the Orlando Section, Bob, and welcome aboard, Ron. Both Bob and Glenn have contributed many years of service to the Orlando Section, and their efforts have been greatly appreciated.

In addition to maintaining the high activity levels of the past year in most Chapters, the upcoming year presents some challenges. Several of our smaller and/or joint chapters have not maintained the activity level required to remain valid chapters. While a grace period is given by National in such situations, this next year will be critical for these groups. Either more technical meetings will have to be held, or the Section will have to consider dis-establishing these chapters. Means are available for holding technical meetings without obtaining speakers, such as through the use of videotaped lectures. The Section video library is fairly extensive now, so let's make use of it!

Policy related challenges also face the Orlando Section in the upcoming year. A comprehensive review and revision of the Section Bylaws needs to be completed in the first half of this year. This revision was spurred by events of the past year, which made it evident that the Bylaws were not complete and consistent. Members of the Executive Board will generate a revised version, but additional Executive Committee members will be needed for the review process. If you are interested, please contact an Executive Board member.

While the section remains financially sound, we need to make an effort to determine how best to utilize the Section's resources for the good of the members. This could include many things, such as: leaving a majority of the funds invested, sponsoring engineering scholarships or academic awards, purchasing and donating books to libraries, or ensuring all Orlando Section members have access to E-mail capabilities. The Strategic Committee will actively be looking at this topic in the next few months.

Finally, I would like to encourage all Chapter Chairmen to attend the Executive Committee meetings. The agenda will be somewhat revised this year, but every effort will be made to make it realistic. The upcoming year looks exciting, but there is lots to do -- we need your help to succeed!
1993 Installation Banquet

from page 1

ion in Orlando IEEE activities at the Chapter, Section and Council levels, including Executive Committee and Board positions.

The Outstanding Entrepreneur Award is a new award the Orlando Section is presenting this year for the first time, as a result of the formation of a new working group within the Orlando Section, named the IEEE Consultants Network of Orlando. This award is designed to recognize a self-employed member of the Orlando Section who, through his technical, professional and consulting abilities, has made outstanding contributions to the electro-technology profession. This year's award was presented to Dr. Eugene P. Augstein for the design of the satellite TVRO rotary probe antenna that revolutionized the satellite TV industry, the design of SIMULSAT, which still being installed worldwide, and for founding three companies that are currently leaders in their field.

Certificates of Appreciation were presented to the Chapter and Working Group Chairpersons as follows:

AES ............ Dr. David Flinchbaugh
AP/MTT...........Laurie Dunn
C.................. Dr. Edwin K. Eveson
COM/VT......... Michael Germain
ED/CHMT .... Dr. Kalpathy B. Sundaram
LEO ............ Eric W. Van Stryland
PE/IA......... James R. Pipkin
SP ............... Dr. Ikram E. Abdou
SRC ............ Dr. Harley Myler
UFFC............ Thomas Voor
NN.............. Dr. Michael Georgiopoulos
CN.............. Jorge Medina

Each year at the June meeting of the Executive Committee, the Chairpersons of the ten Society chapters meet to decide which chapter conducted the best operation during the past year. This year, after a good deal of deliberation and the usual close competition, the Chapter Chairpersons selected the PE/IA as the 1993 Outstanding Chapter. The PE/IA is a very active chapter and has developed and presented an outstanding program of meetings and events for its membership. The person who has provided the leadership of that chapter this year is Mr. James R. Pipkin. The Orlando Section is delighted to present the 1993 Outstanding Chapter Chairman Award to him.

Dr. Ali Atashroo, the Outstanding Section Chairman, presented Certificates of Appreciation to Section Executive Officers, Committee Chairmen, and Essay Contest Participants during National Engineers Week. Mr. Jim Walter, Globocon '92 treasurer, presented Dr. Ali Atashroo with a check for $16,000 as the remainder of proceeds to the Orlando Section for its sponsorship of the conference. Dr. Ali Atashroo, then thanked everyone for support during his tenure as Section Chairman, introduced the new Section Chairperson, Jaqueline Hines, presented her with the Section Chairperson pin and turned over the gavel. Jaqueline then introduced the 1993-1994 IEEE Orlando Section Officers:

ViceChair........ Dr. Parveen Wahid
Treasurer.......David King
Secretary..........Dr. Kalpathy B. Sundaram

Jaqueline briefly discussed her agenda for her tenure, thanked everyone and bid farewell. Group photographs of the award recipients were taken and are presented herein.

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.

CONSULTANTS NETWORK

How a Consultant’s Network Benefits its Members

Abstract: This presentation will describe some of the ways that the local IEEE Consultant's Network benefits both their members and the general engineering community.

Speaker: Jorge Medina
Date: Tuesday, August 10, 1993
Time: 6:00 PM
Location: Orlando Public Library, 3rd. Floor, Magnolia Room.
Contact: Please make your reservations by leaving a message for Jorge Medina at 260-1676, ext. 7, voice mailbox 323.

SIGNAL PROCESSING

Tour of the Orlando Regional Medical Center Magnetic Resonance Imaging Facility

Date: Wednesday, September 22, 1993
Time: 5:00 PM
Location: 1300 S. Orange Ave., Orlando Ave., Orlando.
Contact: Tim Young 356-8865 or leave message at 260-1676, ext. 7, voice mailbox 233.

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Aug. 3  IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (VM) 901, (O) 888-8860, (H) 628-1604
Sep. 7  IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (VM) 901, (O) 888-8860, (H) 628-1604
Sep. 14  IEEE Consultants' Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (VM) 323, (O) 260-1676
Sep. 22  SP - Tour of the Orlando Regional Medical Center Magnetic Resonance Imaging Facility - T. Young, (VM) 233, (O) 356-8965
Oct. 5  IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (VM) 901, (O) 888-8860, (H) 628-1604
Oct. 12  IEEE Consultants' Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (VM) 323, (O) 260-1676
Oct. 24-28  ICALEO '93 - The 12th International Congress on Applications of Lasers & Electro-Optics - Orlando Airport Marriott, (407) 380-1553

Mar. 29-31, '94  REGION 3, FCIIEEE - SOUTHCON '94 - Orange County Convention/Civic Center, Orlando

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SECTIONS CONGRESS '93
EMPOWERING SECTIONS TO SERVE MEMBERS

Dr. M. Ali Atashroor
Orlando Section Jr. Past Chairman

IEEE triennial event brought leaders representing 208 Sections on
6 continents together in Puerto Rico to plan the Institute's future.
Three hundred ninety-one delegates, including representatives from
73% of IEEE Sections on six continents, gathered in San Juan,
Puerto Rico from July 1 - 4 for SECTIONS CONGRESS '93 (SC
'93).

The climax of 93 Section Congress was the final day of the Section
Congress when the IEEE Sections' delegates voted on the thirty three
Recommended Actions from the ten IEEE regions caucuses and the
breakout sessions. The top ten recommended actions voted by
Sections' primary delegates are presented in this report. Luis T.
Gandia, Vice President of Regional Activities and Chairman of the
SC '93 Organizing Committee oversaw a program which included
plenary sessions, tutorials, workshops, software demonstrations,
IEEE exhibits, and networking opportunities.

Other highlights of the weekend included the Opening Ceremony
featuring an address by The Honorable Baltasar Corrada del Rio,
Puerto Rico's Secretary of State, and a Puerto Rican Fiesta hosted by
the Baccardi Corporation.

The program also included a number of software demonstrations,
including the introduction of ROOT, a new semi-interactive officer
training and resource materials program, which, over time, is
expected to replace the hard copy information sent to Section, Chapter
and Regional officers.

The ROOT software which has been packed on two 3.5" floppy
diskettes provides the following contents in easy-to-use vivid color
hypertext. I strongly recommend a copy of the ROOT software for
every member of IEEE Orlando Section's Executive Committee.
We will install the ROOT on the upcoming Orlando Section
Bulletin Board Service (BBS) for the general membership access.

Two Regional Activities Board awards were presented during the
Congress. The William W. Middleton Distinguished Service Award
was presented by Bill Middleton to Wallace S. Read. The Larry K.
Wilson Transnational Award was bestowed upon Robert T. H.

Alden by SC '93 Program Chair Robert Noberini.

One of the key objectives of the triennial event is for Section
delegates to generate a list of recommended actions -- areas where
they feel that IEEE leadership needs to focus attention and resources
to benefit both IEEE members and the electrical engineering profession.
And, what were the synopsis of the top 10 recommendations
that came forth from SC '93?

1. Increase support to Sections in the form of rebates;
2. Take aggressive action to enhance the self and public image
of engineers through public debate on major issues, measuring
compensation, and encouraging engineering associations
worldwide to show their role in wealth creation and the
solution of society's problems;
3. Develop a variety of programs to encourage employer support
of Sections and volunteers;
4. Increase and improve technical societies' support to local
Chapters (and Sections);
5. Update membership diskette to include members' corporate
address;
6. Develop programs for portable benefits (health, life, pensions,
investments, etc.), which are transferable from job to job,
affordable and applicable (or tailored) to each Region of
the world;
7. Reinstall S300 Section Rebate for sponsoring a technical
conference;
8. Increase communication between high-level IEEE staff and
volunteers and appropriate high-level industry executives;
9. Prepare attractive, informative, practical material, highlighting
benefits of employee participation as volunteers with
particular attention to: (a) global competitiveness; (b)
international standardization; (c) information technology;
10. Require the Rousial Activities and Technical Activities
Boards to coordinate their activities to get lecturer information
to every Section and require the Regional Activities Board to assist Sections by coordinating these talks.

SECTIONS CONGRESS has, over the past nine years, given IEEE
members the opportunity to guide the future of the organization
through the leaders of their local units. Listening to the priorities of
IEEE members worldwide does not stop when delegates depart the
Congress. Their views will form the basis for activities and policy
actions at all levels of IEEE over the next three years.
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

EXECUTIVE BOARD
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Vice Chair: Dr. Parveen Wahid, UCF (VM 904, (O) 823-2610, (H) 677-0571)
Treasurer: Dave King, Datacube, Inc. (VM 903, (O) 862-9094, (H) 628-4462)
Secretary: Dr. Kalpathy B. Sundaram, UCF (VM 263, (O) 823-5326, (H) 671-6843)
Chapters: Laurie Dunn, Kennedy Space Center (VM 906, (O) 1-407-867-3193, (H) 678-9674)

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AP/MTT: Wally Arceneaux, (VM 223
C: Dr. Edwin K. Everson, UCF (VM 243, (O) 660-6116, (H) 788-3106
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LEO: Dr. Glenn D. Brewien, UCF (VM 293, (O) 658-6815
PEIA: James R. Pipkin, Westinghouse (VM 273, (O) 281-2916
SP: Timothy Young, Martin Marietta Corp (VM 233, (O) 356-8865, (H) 857-3878
SRC: Dr. Harley Myler, UCF (VM 303, (O) 823-5098, (H) 657-4680
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Neural Network: Dr. M. Georgiopoulou, UCF (VM 313, (O) 823-5338, (H) 275-2665

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Education: Dr. Kalpathy B. Sundaram, UCF (VM 909, (O) 823-5326, (H) 671-6843
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SRC: Scott Harrell, UCF (VM 93, (O) 366-7952

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September, 1993

Jacqueline H. Hines, Section Chairman

CHAIRMAN'S CORNER

The Executive Committee meeting held on August 3rd was quite productive. Mr. Wally Arceneaux, Chapter Chairman for AP/MTT, has accepted an appointment as PACE Committee Chairman for the Section. Wally will represent the Orlando Section at a PACE conference to be held in Oregon during September, and will work with Glenn Portz to ensure a smooth turnover of this position. Also, the Section would like say thanks for your dedication and support, and to wish Jeff Rollman farewell and best wishes as he relocates to Motorola in Arizona. The position he vacates as Chapters Chairman will be filled by Laurie Dunn. Chapter Chairmen should expect to receive a packet of information from Laurie sometime this month, outlining the procedures for the coming year. Remember that the September meeting is when proposed budgets for the calendar year 1994 need to be submitted. Please plan accordingly, and send a representative with this information if you are unable to attend September's Executive Committee meeting.

Dr. Ali Atashroo is currently working on procuring a computer system for the Section to use as a central bulletin board service (BBS) for establishment of e-mail capabilities. It is the Executive Committee's goal to have e-mail access available for all section members who desire to utilize it prior to the end of this year. The Section BBS will subscribe to some larger service, and members will be able to interface with IEEE headquarters, other members, leave messages, send meeting messages, and so on. We hope that all members will try to utilize this service as it becomes available. More information on this next month.

The Executive Committee is working diligently to involve the Section in several future conferences planned for Orlando. After considerable discussion, the national PE conference will be held in Orlando in 1998. The Section plans to be involved, although the details and the extent to which the Section will be involved and the benefits of this activity are still being established. The World Congress on Computing Intelligence which is being held in Orlando in 1994 is being actively supported by the Section. Members interested in volunteering assistance should watch the newsletter for more information.

The addition of the remaining proceeds from Globecom '92 (over $16,000) has substantially boosted our investment account balances. The strategic committee will be holding a planning meeting on August 29th. Topics of discussion will include how to best invest and/or utilize the financial assets of the Section in order to serve the membership. Anyone with an idea to contribute, or who would like to participate in this meeting, please contact a member of the Executive board for more information. All section members are welcome to participate in this strategic planning.

Our IEEE Orlando Section Executive Committee meetings are held the first Tuesday of each month (except July), at Hewlett-Packard, 6177 Lake Ellenor Drive, Orlando, at 5:30 P.M. Refreshments are provided courtesy of Ron Miller and Hewlett-Packard. Please join us this month!

EXTRA STEPS

EXTRA STEPS is a prototype for a schoolwide, technology based educational system using computers and other interactive technology. EXTRA STEPS actively involves students in education, within a stimulating, creative and fun learning environment.

While technological advances over the last 25 years created a global economy, with stiff business competition, education in this country continued to rely on the traditional curriculum to meet these challenges. We have not moved forward as rapidly as we must in the future. Our citizens, our students, our work force of the future will need a new set of competencies - with higher level skills, more creativity and greater problem solving abilities to order for us to remain competitive.
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.

CONSULTANTS NETWORK
Consultant Liability and Client Relations

Abstract: As consultants we provide advice, ideas, technical expertise and are remunerated for such service. In all cases we owe our clients ethical, professional treatment and under some agreement for confidentiality and compensation for work, which is many times defined after consultation begins. Ethical treatment must be a two way street and we must protect our interests in the event a client finds fault, real or imagined, with our work. Techniques for liability protection and maintaining client relations will be shown.

Speaker: Edward G. Tuttle, Consultant
Date: Tuesday, September 14th, 1993
Time: 6:00 PM
Location: Orlando Public Library, 3rd Floor, Magnolia Room.
Contact: Please make your reservations by leaving a message for Jorge Medina at 260-1676, ext. 7, voice mailbox 323.

SYSTEMS/ROBOTICS/ CONTROLS & NEURAL NETWORK WORKING GROUP

Competitive Learning Algorithms

Video Tutorial: Neural Networks Pioneer Series by Professor Teuvo Kohonen.

Abstract: Many contemporary applications of Artificial Neural Networks are based on competitive learning algorithms, such as the Self-Organizing Map and Learning Vector Quantization. The tutorial covers the principles and functioning of these learning processes, demonstrates their applications and gives practical advice and instructions for their implementation.

Date: Thursday, September 9th, 1993
Time: 6:00 PM, (root) Beer and Pizza!
Location: Video Conference Room, ENGR 288, UCF College of Engineering.
Contact: H. Myler, 823-5098 or M. Georgiopoulos, 823-5338. This meeting is restricted to IEEE members only.

SIGNAL PROCESSING

Tour of the Orlando Regional Medical Center Magnetic Resonance Imaging Facility

Date: Wednesday, September 22nd, 1993
Time: 5:00 PM
Location: 1300 S. Orange Ave., Orlando Ave., Orlando.
Contact: Tim Young 356-8865 or leave message at 260-1676, ext. 7, voice mailbox 233.

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We offer unemployed members an opportunity to run a free position wanted ad in the Orlando Section Monthly. Write your own ad copy and mail or fax it to the Orlando Section Monthly editorial office. Your ad will appear in the next available issue.
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Sep. 9  IEEE SRC/NNS - Competitive Learning Algorithms - UCF, H. Myler, (VM) 303, (O) 823-5098, M. Georgiopoulos (O) 823-5338
Sep. 14 IEEE CN - Consultant Liability and Client Relations - Orlando Public Library, 3rd Floor, J. Medina, (VM) 323, (O) 260-1676
Sep. 22 IEEE SP - Tour of the Orlando Regional Medical Center M.R.I. Facility - T. Young, (VM) 233, (O) 356-8865
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Nov. 9  IEEE Consultants' Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (VM) 323, (O) 260-1676
Dec. 6-12 IEEE C - 9th Annual Computer Security Applications Conf. - Orlando Marriott, Orlando, R. Gove (703) 902-5280
Dec. 7  IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (VM) 901, (O) 886-8860, (H) 628-1604
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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.

CONSULTANTS NETWORK

What is an Independent Consulting Engineer?

Abstract: Who becomes a consultant? What is a consultant? What does a consultant do? What are the characteristics of a consultant? These and many other factors that need to be considered before choosing consulting as a career will be presented.

Speaker: Jorge Medina, Medina Software, Inc.
Date: Tuesday, November 9th, 1993
Time: Meeting at 6:00 PM, Presentation at 6:30 PM
Location: Orlando Public Library, 3rd. Floor, Magnolia Room.
Contact: Please make your reservations by leaving a message for Jorge Medina at 260-1676, ext. 7, voice mailbox 323.

ELECTRON DEVICES/ COMPONENTS, HYBRIDS AND MANUFACTURING TECHNOLOGY

SubMicron BiCMOS Process Technology

Program: A two hour video technical tutorial seminar
Date: Thursday, November 18th, 1993
Time: 6:00 PM
Location: Room 288, UCF College of Engineering.
Contact: K. B. Sundaram (O) 823-5326

LASER AND ELECTRO-OPTICS

Recent Advances in Rare Earth Doped Fiber Lasers and Amplifiers

Speaker: Steven Grubb, Distinguished Lecturer, AT&T Bell Labs
Date: Thursday, December 9th, 1993
Time: 5:30 PM Wine & Cheese, 6:30 PM Lecture
Location: UCF. Call Glenn Boreman at 658-6815 for specific location information.

Florida's Laser and Electro-Optics Industry: Challenges in the 90's

Speaker: William Schwartz, President, Schwartz Electro-Optics
Topic: Future Challenges for the Central Florida Laser Community
Speaker: Martin Stickley, Professor of EE and Assistant Director, CREOL, UCF
Topic: Federal Funding Opportunities for R&D
Date: Saturday, December 11th, 1993
Time: 9:00 AM
Location: UCF. Call Glenn Boreman at 658-6815 for specific location information.

NOTE: The ORMC tour will be rescheduled as soon as the hospital's schedule permits.

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Jacqueline H. Hines, Section Chairman

CHAIRMAN'S CORNER

Once again, the Orlando Section has set the standard for excellence! Jim Walter of GlobeCom contacted me last week, and told me that the GlobeCom executive board was "So pleased with the contribution made by the Orlando Section members that they decided to give us an additional $3,333.00 from the proceeds." Congratulations and a hearty thanks to Ron Kandell (Conference General Chairman) and to Ed Ellis and all the volunteers who contributed to making this effort a success.

The Section will have several opportunities to continue our record for active participation in conferences. The World Congress on Computational Intelligence will be in Orlando in 1994, and the section has the opportunity to participate in the PE conference in 1998 in Orlando, and to run SOUTHEASTCON in 1999 in Orlando. All of these conferences represent opportunities for significant revenue generation for the Section, and would allow us to provide funds for uses that would benefit the Section membership.

The Orlando Section Video Library is now being maintained by Dr. Isa Ba-tarseh at the University of Central Florida. Our collection of videos is quite extensive, and is available for viewing both at chapter technical sessions and on an individual basis. If you are interested in finding out more, or borrowing tapes for viewing, please contact Dr. Batarseh at 823-0185.

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

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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The Orlando Section Video Library now has over 50 technical video tapes. To borrow any of the videos listed below, simply contact the Educational Committee Chairman, Dr. Issa BATARSEH at 823-0185. There is no charge to the IEEE Orlando Section Chapters for their use. The Chapter will be responsible for return postage for the video, for providing a meeting room and projection equipment, and for making copies of any handouts which may accompany the video. Making copies of the video tapes is prohibited.

Videoconference materials are available only to IEEE Orlando Section Chapters with attendance limited to IEEE members. These are selected programs from IEEE's ongoing Seminars via Satellite series on timely engineering topics. Each video runs several hours and would be suitable for a day long program.

- Role of Artificial Intelligence in Manufacturing
- Desktop Publishing for Technical Writers
- GaAs Monolithic Microwave IC
- Microwave Opto-Electronics
- Noise in Microwave Circuits
- Nonlinear GaAs FET Modelling
- Gallium Arsenide - Key to Modern Microwave Technology
- Sensors from Microwave to Electro-Optical
- Parallel Processing
- Communications and Synchronization in Parallel Processing Systems
- Distributed Supercomputing
- Distributed Software Engineering
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- 11 Rules of Supercomputer Design
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- Submicron CMOS Technology Scaling
- What is all this about GaAs
- Gallium Indium Arsenide Heterostructures of Low Noise Amplification, High Speed Logic Circuits and Light Detection
- Heterostructure Transistors
- Adaptive Resonance
- Competitive and Cooperative Learning Systems
- Spread Spectrum Communications
- Error Correcting Codes for DSP
- Introduction to Modem Technology, Theory and Practice of Bandwidth Efficient Modulation from Shannon and Nyquist to date
- Three Phase Short Circuits
- Unsymmetrical Short Circuits
- Applications to Industrial Power Distribution
- Dynamical System Review
- Modeling and Control of Automated Manufacturing Systems
- Networking for Computer-Integrated Manufacturing
- Sensor Based Planning and Control in Robotics
- Adaptive Pattern Recognition
- Vision
- Light Wave Communications
- Photonic Switching
- MBE and MOCVD New Structures/Devices
- Digital Signal Processing
- The Structure of FFT and Convolution Algorithms
- Synthetic Aperture Radar Viewpoint
- High Resolution and Higher Order Spectral Analysis
- VLSI for Signal Processing
- Artificial Neural Systems
- Neural Networks: Adaptive Pattern Recognition
- Neural Networks: Algorithms and Microhardware
- Neural Networks: Optical Neurocomputers
- Learning, Recognition and Prediction by Self-Organizing Neural Networks
- Adaptive Signal Processing and Adaptive Neural Networks
- Adaptive Vector Quantization and Neural Networks
- Neural Network Based Speech Recognition

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9th Annual Computer Security Applications Conference

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Nov 2  
IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (VM) 901, (O) 886-8860, (H) 628-1604

Nov 7-11  
ASM '93 - 4th International Conference on Applications of Software Measurement - Peabody, Orlando, 800-423-8378

Nov 9  
IEEE CN - What is An Independent Consulting Engineer? - Orlando Public Library J. Medina, (VM) 323, (O) 260-1676

Nov 18  
IEEE ED/CHMT - Submicron BICMOS Process Technology Scaling - UCF, K.B. Sundaram, (VM) 263, (O) 823-5326

Nov 18  
IEEE SP - Recent Trends in Image Processing Applications and Hardware - UCF, T. Young, (VM) 233, (O) 356-8865

Dec 6-10  
IEEE C - 9th Annual Computer Security Applications Conference - Orlando Marriott , Orlando, R. Gove (703) 902-5280

Dec 7  
IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (VM) 901, (O) 886-8860, (H) 628-1604

Dec 9  
IEEE LEO - Recent Advances in Rare Earth Doped Fiber Lasers and Amplifiers - UCF, G. Boreman, (VM) 233, (O) 658-6815

Dec 11  
IEEE LEO - Florida's Laser and Electro-Optics Industry: Challenges in the 90's - UCF, G. Boreman, (VM) 293, (O) 658-6815

Dec 14  
IEEE Consultants Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (VM) 323, (O) 260-1676

Jan 4  
IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (VM) 901, (O) 886-8860, (H) 628-1604

Jan 11  
IEEE Consultants Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (VM) 323, (O) 260-1676

Jan 18  
SOUTHCON - Manuscripts Due - UCF, I. Batarseh, (O) 407-823-0185, Fax (310) 641-5117

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- The Measurement Tools & Services Exposition

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Meeting Announcements

CONSULTANTS NETWORK

Structuring Your Consulting Fees for Profit

Abstract: A discussion of the different consulting compensation methods will be presented. One part of this presentation will be a summary of the survey of fees charged by our members. We have asked all our members who have served clients during 1990-1993 to respond to a questionnaire on consultants' fees. Our goal is to establish a realistic appraisal of the prevailing rate structure in our areas of expertise and should be beneficial to both ourselves and our clients.

Speaker: Jorge Medina, Medina Software, Inc.
Date: Tuesday, December 14th, 1993
Time: Meeting at 6:00 PM, Presentation at 6:30 PM
Location: Orlando Public Library, 3rd Floor, Magnolia Room.
Contact: Please make your reservations by leaving a message for Jorge Medina at 260-1676, ext. 7, voice mailbox 323.

SIGNAL PROCESSING

Image Processing Applications to Face Detection and Recognition

Speaker: Dr. Thomas Huang, SP Distinguished Lecturer, University of Illinois Computer Science Lab
Date: Monday, January 31st, 1994
Time: 5:30 PM
Location: Hewlett Packard on Lake Elenor Drive
Contact: Please RSVP to Tim Young (O) 356-8865

LASER AND ELECTRO-OPTICS

Recent Advances in Rare Earth Doped Fiber Lasers and Amplifiers

Speaker: Steven Grubb, IEEE/LEO Distinguished Lecturer, AT & T Bell Labs
Date: Thursday, December 9th, 1993
Time: 6:00 PM Wine & Cheese, 7:00 PM Lecture
Location: Holiday Inn - Across from UCF. Call Glenn Boreman at 658-6815 for specific location information.

Florida's Laser and Electro-Optics Industry: Challenges in the 90's

Speaker: William Schwartz, President, Schwartz Electro-Optics
1st Topic: Future Challenges for the Central Florida Laser Community
Speaker: Martin Stickley, Professor of EE and Assistant Director, CREOL, UCF
2nd Topic: Federal Funding Opportunities for R & D
Speaker: Peter Baker, Director, Laser Institute of America
3rd Topic: Leadership and Management of Small Organizations
Date: Saturday, December 11th, 1993
Time: 10:00 AM
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IEEE ORLANDO INFORMATION CENTER
Voice Mail: (407) 260-1676, Fax: 260-1636

December, 1993

STAR SEARCH

ORLANDO SECTION AWARDS

1.1 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.

1.2 PROCEDURE
The Submitter fills out the form as indicated and suggests nominees and endorsers to support the nomination. After a review process, some candidates will be selected for nomination. If the Submitter 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 Nominator. (The members of the Awards Committee are not permitted to nominate or endorse any candidates.

1.3 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.

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 electro-technology profession.

1.4 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.

Jacqueline H. Hines, Section Chairman

CHAIRMAN'S CORNER

This year's Orlando Section Family Fun Day was held October 17th at Wet 'n Wild, and was well attended. Although gloomy skies threatened rain during the morning, the skies cleared and the afternoon was ideal for our outing. Perhaps due to the morning's weather, the park was particularly sparsely populated, so members attending our function benefited from very short lines on all attractions.

Regarding conference participation and sponsorship, the Section will serve as a partner in sponsoring the World Congress on Computational Intelligence in Orlando in late June of 1994. The first of its kind, this conference will provide a unique forum for technical discussions relating to neural networks, fuzzy logic, and evolutionary computing. The section participation will include volunteers during the conference, assistance with local arrangements and guest social programs, and publicity. Details will follow in future issues of this newsletter. Anyone interested in more information can contact Dr. Ratan Guha.

The section executive committee has voted to participate in the PE conference in 1998 in Orlando, and to run SOUTHEASTCON in 1999 in Orlando. Dr. Issa Batarseh has volunteered to coordinate the Section's activities for these two conferences. As in the case of the World Congress on Computational Intelligence, these conferences are not only forums for outstanding technical interactions, but also opportunities for significant revenue generation for the section, and would allow us to provide funds for uses that would benefit the section membership.
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

Please Return Form To:
Dr. Ali Atashroo, Awards Chair,
1512 Indian Dance Court
Maitland, FL 32751

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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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.
EVENTS CALENDAR

For the latest information call the IEEE Orlando Voice Information Center 260-1676, option 7 and enter the respective Voice Mailbox (VM) number.

Dec 6-10  IEEE C - 9th Annual Computer Security Applications Conference - Orlando Marriott, Orlando, R. Gove (703) 902-5280
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Feb 4  IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (VM) 901, (O) 686-8660, (H) 628-1604
Feb 11  IEEE Consultants’ Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (VM) 323, (O) 260-1676
Feb 12  GLOBECOM '94 - Complete Manuscript Due - D. Harris, Box P, Stanford Univ., Stanford, CA 94309, (415) 725-9868
Feb 13-16  APEC '94 - 1994 IEEE Applied Power Electronics Conference and Exposition - Walt Disney World Resort, Orlando

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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.

CONSULTANTS NETWORK

Taxes: Business Structure, Business Expenses, and Tax Law Changes

Abstract: A discussion of tax issues for various business structures (sole proprietorship, partnership, C & S corporations), business expenses (depreciation/amortization, home office deductions, self-employment tax, health insurance and auto expenses) and tax law changes (tax rate increases, deduction/exemption limitations, intangible assets and other provisions) will be presented.

Speaker: Mr. Kenneth E. Norquist, Partner of Medina, Norquist & Associates

Date: Tuesday, January 11th, 1994

Time: Meeting at 6:00 PM, Presentation at 6:30 PM

Location: Orlando Public Library, 3rd. Floor

Contact: Please make your reservations by leaving a message for Jorge Medina at 260-1676.

ULTRASONICS, FERROELECTRICS, AND FREQUENCY CONTROL

Surface-Acoustic-Wave Devices: Fundamentals, Current Status and Future Trends

Speaker: Dr. Eric L. Adler, Fellow, IEEE

Date: Monday, February 3rd, 1994

Time: 6:30 PM for Dinner, 7:30 PM Lecture

Location: TBA

Contact: Please RSVP by Jan. 18th, to Jeff Mink (407) 886-8860, or Mike Garrity (407) 886-8860.

SIGNAL PROCESSING

Image Processing Applications to Face Detection and Recognition

Speaker: Dr. Thomas Huang, SP Distinguished Lecturer, University of Illinois Computer Science Lab

Date: Monday, January 31st, 1994

Time: 5:30 PM Refreshments, 6:30 PM Lecture

Location: Hewlett Packard on Lake Ellenor Drive

Contact: Please RSVP to Tim Young (O) 356-8865

STAR SEARCH

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 Awards will be presented in February, 1994 at the Awards Banquet. The Outstanding Service Award and the Outstanding Entrepreneur Award will be given in June, 1994 at the Installation Banquet. The deadline for nominations is January 15th, 1994. The Orlando Section consists of over 1,400 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 December 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.
Jacqueline H. Hines, Section Chairman

CHAIRMAN'S CORNER

Once again, the exceptional qualifications of Orlando Section engineers have resulted in an outstanding showing in the Florida Council award competition. All three FCIEEE award recipients chosen are from the Orlando Section! Dr. Jian S. Yuan was selected as the Outstanding Engineering Educator, Dr. Marion J. Soileau was selected as the Outstanding Engineer, and Dr. David E. Finchbaugh was chosen for the Outstanding Service Awards. Congratulations to all the award recipients! A representative of the Florida Council will present the awards at the Awards Banquet in February. Thanks to all of the section members who made nominations and wrote letters of recommendation, and to Dr. M. Ali Atashroo who coordinated the award nomination process. Also, three Orlando Section members have been nominated for Region 3 Awards. They are: Dr. Marion J. Soileau for Outstanding Engineer, Dr. Wasfy B. Mikhail for Outstanding Engineering Educator, and Mr. Ed Ellis for Outstanding Service. Good luck to all in the regional competition!

Regarding conference participation and sponsorship, the Section will serve as a partner in sponsoring the World Congress on Computational Intelligence in Orlando in June of 1994. The first of its kind, this conference will provide a unique forum for technical discussions relating to neural networks, fuzzy logic, and evolutionary computing. The Section participation will include volunteers during the conference, assistance with local arrangements and guest social programs, and publicity. Details will follow in future issues of this newsletter. Anyone interested in more information can contact Dr. Ratan Guha. The section executive committee voted to participate in the PE conference in 1998 in Orlando, however due to an impending deadline and a perceived lack of interest on the part of the local PE Chapter, Florida West Coast submitted a complete proposal package to hold the conference in Tampa instead. Since the Power Engineering Society tends to rotate this conference between North and South each year, our section has requested to host the 2000 Conference in Orlando instead. The Orlando Section has also requested to host SOUTHEASTCON in 1999 in Orlando. Dr. Issa Batareseh has volunteered to coordinate the Section's activities for these two conferences. As in the case of the World Congress on Computational Intelligence, these conferences are not only forums for outstanding technical interactions, but also opportunities for significant revenue generation for the Section, and would allow us to provide funds for uses that would benefit the Section membership.

Over the past few months, several Orlando Section members have inquired about how the Florida Council benefits its member sections. The Council performs several functions which benefit the individual sections, including conducting the annual statewide awards program, recommending Florida award nominees to Region 3 for consideration, coordination of the state science fair judging efforts and providing student awards for these events, and hosting SOUTCHON. Recent Council discussions have led to another benefit - the Florida Council has decided to distribute a portion of the surplus from SOUTCHON the Council's member sections, to assist their operations. Orlando has received a check for slightly over $660, with smaller sections receiving proportionally larger amounts based on membership. Although this is a relative small amount considering our current financial status, bear in mind that for many sections who are not able to obtain revenue by hosting conferences, this may represent a significant portion of their operating expenses for the year, and may allow them to serve their membership more effectively. This precedent setting decision demonstrates the Florida Council's desire to nurture and assist sections statewide, and we should look forward to further beneficial interactions, both with the Council and with other Florida sections.
Present APEC '94

Expanded Ninth Annual
APPLIED POWER ELECTRONICS CONFERENCE AND EXHIBITION

February 13-17th, 1994
Disney's Contemporary Resort
Lake Buena Vista (Orlando), Florida

The premier event in Power Electronics!!!

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- Rectifier & converter control
- AC PWM converters
- Semiconductors
- EMI simulation & prediction

Please send complete APEC '94  conference information  exhibit information

Name/Title

Company

Address

EVENTS CALENDAR

For the latest information call the IEEE Orlando Voice Information Center 260-1676

Jan 4  IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604
Jan 18 SOUTHCON - Manucripts Due - UCF, I. Batarseh, (O) 407-823-0185, Fax (310) 641-5117
Jan 31 IEEE SP - Image Processing Applications to Face Detection & Recognition - Hewlett Packard, T. Young (O) 356-8865
Feb 1 IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604
Feb 7-11 Software Quality Engineering - Software Test & Evaluation Courses - Radisson Inn Main Gate, 1-800-423-8378
Feb 8 IEEE Consultants' Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Feb 12 GLOBECOM '94 - Complete Manuscript Due - D. Harris, Box P, Stanford Univ., Stanford, CA 94309, (415) 725-9868
Feb 13-16 APEC '94 - 1994 IEEE Applied Power Electronics Conference and Exposition - Walt Disney World Resort, Orlando
Feb 20-26 NATIONAL ENGINEERS WEEK

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We offer unemployed Orlando Section members an opportunity to run a FREE position wanted ad in the Orlando Section Monthly. Write your own ad copy and mail or fax it to the Orlando Section Monthly editorial office. Your ad will appear in the next available issue.

Our warmest wishes for this holiday season and throughout the new year.

The Orlando Section
The Orlando Section of the Institute of Electrical and Electronics Engineers
Announces the

1994 IEEE Orlando Section Awards Banquet

Saturday, February 19th, 1994
Maison & Jardin Restaurant
430 S. Wymore Road, Altamonte Springs

Program:
6:00 PM - Cocktails (Cash Bar)
7:00 PM - Dinner

Presentation of Awards:
Chapter Engineer-of-the-Year Awards
Outstanding Student Award
Outstanding 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 Dr. Parveen Wahid at 823-2610 or 677-0571

Reservation Form
Please make reservation(s) for the 1994 IEEE Orlando Awards Banquet. My check for $________ (23 each) is enclosed. Make check payable to IEEE. Choice of Entree: [ ] Sautéed Breast of Chicken with Wild Mushrooms & Fontina Cheese [ ] Marinated Roast Top Sirloin of Beef with Pink and Green Peppercorn Sauce

Mail to: IEEE Awards Banquet
c/o Dr. Parveen Wahid
10527 Via del Sol
Orlando, FL 32817
823-2610 or 677-0571

Name:
Phone:

* No Charge to IEEE Orlando Section Fellows and their spouses.

Reservations must be received no later than February 15th, 1994

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.

CONSULTANTS NETWORK
Accounting Systems for Consulting Engineers

Program: A description of manual and computerized accounting systems (checkwriting, intermediate and high end) for consulting engineers will be presented.
Speaker: Mr. Kenneth E. Norquist, Partner of Medina, Norquist & Associates
Date: Tuesday, February 8th, 1994
Time: Meeting at 6:00 PM, Presentation at 6:30 PM
Location: Orlando Public Library, 3rd Floor
Contact: Please RSVP to Jorge Medina at 260-1676, ext. 400.

SIGNAL PROCESSING
Image Processing Applications to Face Detection and Recognition

Speaker: Dr. Thomas Huang, SP Distinguished Lecturer, Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign
Date: Monday, January 31st, 1994
Time: 5:30 PM Refreshments, 6:30 PM Lecture
Location: Hewlett Packard on Lake Ellenor Drive
Contact: Please RSVP to Tim Young (O) 356-8865 or leave message at 260-1716, ext. 280.

Image Compression Techniques

Speaker: Mr. Shomit Ghosh, UCF EECS Department
Date: Thursday, February 24th, 1994
Time: 5:30 PM Refreshments, 6:00 PM Lecture
Location: UCF CEBA I Room 407
Contact: Please RSVP to Tim Young (O) 356-8865 or leave message at 260-1716, ext. 280.

See Meeting Announcements, page 3
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

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LEO: Dr. Glenn D. Boreman, UCF 
(VM) 260, (O) 658-6815
PE/IA: James P. Pipkin, Westinghouse 
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SP: Timothy Young, Martin Marietta Corp 
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SRC: Dr. Harley Myler, UCF 
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Neural Network: Dr. M. Georgiopoulos, UCF 
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Conference: Dr. Issa Bataarseh, UCF 
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Education: Dr. Amir Mortazavi, UCF 
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SCct: Scott Harrell, UCF, (H) 366-7952

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Jacqueline H. Hines, Section Chairman
CHAIRMAN'S CORNER

Happy New Year! I hope everyone had a relaxing and enjoyable holiday season, and I'm sure you are all looking forward to an active and exciting IEEE year in 1994.

Southcon '94 is coming up soon - March 29-31 - and will be held in the Orange County Convention Center. The advance program booklets are complete, and the convention should provide an exciting opportunity to learn about current research and applications in a number of technical areas. Over 350 companies will have exhibits, featuring Components; EDA Tools and Software; Systems and Subsystems; Test and Measurement Equipment; and Production Equipment, Materials and Services. Additionally, over 100 technical presentations will be given, with 5 keynote speakers and 10 tutorials. Tutorial topics include Neural Networks, Power Electronics, Electromechanical Actuation, Electric Vehicles, SPICE Modeling and Simulation, parallel Computing, DSP, Worst Case Circuit Analysis, Surface Mount Technology, and TOM/SPC. The conference will highlight electric vehicle technology, and includes an alternative energy auto rally, the "FEC SunDay Challenge". Orlando Section members interested in volunteering to help during the conference may be able to receive complimentary registrations. Anyone interested in volunteering or obtaining additional information should contact Dr. Issa Bataarseh at 823-0185.

Regarding conference participation and sponsorship, the Section will serve as a partner in sponsoring the World Congress on Computational Intelligence in Orlando in late June of 1994. The first of its kind, this conference will provide a unique forum for technical discussions relating to neural networks, fuzzy logic, and evolutionary computing. The section participation will include volunteers during the conference, assistance with local arrangements and guest social programs, and publicity. Anyone interested in volunteering or obtaining more information can contact Dr. Ratan Guha.

The section executive committee voted to put together a proposal to bring the PE conference in 2000 in Orlando, and SOUTH- EASTCON may now be in Orlando in 1997, rather than 1999. More on these conferences later. Dr. Issa Bataarseh has volunteered to coordinate the Section's activities for these two conferences. As in the case of the World Congress on Computational Intelligence, these conferences are not only forums for outstanding technical interactions, but also opportunities for significant revenue generation for the Section, and would allow us to provide funds for uses that would benefit the Section membership.

Finally, the 1994 Section Awards Banquet is scheduled for Saturday, February 19, 1994, at Maison & Jardin Restaurant in Altamonte Springs. A cocktail hour with cash bar will begin at 6:00 PM, with dinner planned for 7:00 PM. This promises to be an enjoyable evening, with several selections from Maison & Jardin's delectable menu. As always, vegetarian meals can be arranged given advance notice. The cost for this banquet is $23.00 per person. Everyone interested in attending should return the response portion of the reservation form in this newsletter to Dr. Parveen Wahid, or call her at 823-2610 for reservations. I look forward to seeing you there!

Formation of the Alliance of IEEE Consultants' Networks (AICN) and its Coordination Committee (AICNCC)

Jorge Medina, Orlando CN Chairman

The United States Activities Board (USAB) of IEEE approved the establishment of an alliance of the local consultants' networks and a Coordinating Committee which will exist as a chartered committee within the Member Activities Council of USAB. Full committee members will meet periodically to coordinate IEEE Activities and projects oriented toward self-employed members. Corresponding members will receive all mailings and be asked to comment. The first 1994 national newsletter is almost ready for printing and mailing. Watch for it!
WORKSHOP ON IMPROVING PRODUCT AND PROCESS QUALITY USING EXPERIMENT DESIGN

April 25 - 29, 1994

Howard Johnson Hotel, Lake Buena Vista, Florida

Sponsored by the National Institute of Standards and Technology (NIST), an agency of the Department of Commerce. NIST promotes U.S. economic growth by working with industry to develop and apply technology, measurements, and standards.

This workshop covers the fundamental principles and techniques of efficient experiment design—a rigorous strategy for conducting an experimental investigation. A "good" design yields unambiguous scientific and engineering conclusions with a minimal amount of experimental effort. The widespread development and use of run-efficient designs is one of the major reasons for Japanese breakthroughs in quality engineering and has been "standard operating procedure" in the Japanese engineering community for the last 20 years.

The workshop covers specific designs that have proven best for three very important problems:

- ferreting out the most important parameters from a large number of potential parameters
- converging to an optimal operating condition starting from a "best guess"
- identifying settings of controllable parameters that reduce product and process variation (Taguchi’s quality engineering approach)

This workshop is for engineers in research and development or manufacturing with a goal of improving product and process quality.

For more information contact Eric Lagergren by phone at (301) 975-3245 or e-mail at lager@cam.nist.gov.
THE ORLANDO SECTION MONTHLY

Circulation 1625

EVENTS CALENDAR

For the latest information call the IEEE Orlando Voice Information Center 260-1676

Jan 31 IEEE SP - Image Processing Applications to Face Detection & Recognition - Hewlett Packard, T. Young (O) 356-8865
Feb 1 IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604
Feb 7-11 Software Quality Engineering - Software Test & Evaluation Courses - Radisson Inn Main Gate, 1-800-423-8378
Feb 8 IEEE CN - Accounting Systems for Consulting Engineers - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Feb 12 GLOBECOM '94 - Complete Manuscript Due - D. Harris, Box P, Stanford Univ., Stanford, CA 94309, (415) 725-9868
Feb 13-16 APEC '94 - 1994 IEEE Applied Power Electronics Conference and Exposition - Walt Disney World Resort, Orlando
Feb 16 IEEE ED/CHMT - What is all this about GaAs? - UCF, K.B. Sundaram (O) 823-5326
Feb 19 IEEE Orlando Section - Awards Banquet - Maison & Jardin, P. Wahid, (O) 823-2610, (H) 677-0571
Feb 20-26 IEEE - National Engineers Week
Feb 24 IEEE SP - Image Compression Techniques - UCF, T. Young (O) 356-8865
Feb 25 IEEE UFFC - Time Domain Finite Element Electromechanical Modeling - T. Voor (O) 886-8860
Mar 1 IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604
Mar 8 IEEE Consultants' Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Mar 29-31 REGION 3, FOIEEE - SOUTHCON '94 - Orange County Convention/Civic Center, Orlando

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POSITION WANTED
Orlando Area

Computer science educator/trainer seeks comparable or compatible position.

- Most recent position: VAX/VMS instructor.
- Extensive PC experience: DOS and Windows.
- Eight years college teaching experience.
- EE experience.

Call John Hay, (407) 682-4890

Southcon/94
Electronics Show and Convention

March 29-31, 1994
Orange County Convention Center
Orlando, Florida
For more information, call 800-877-2668

Sponsored by
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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.

CONSULTANTS' NETWORK

CONPRO: Consulting Professional Advisories

Program: A presentation about consulting professional advisories (self assessment, self marketing, work standards, access to funding, taxes, long terms goals, etc.) for engineering, technical and managerial consulting professionals.

Speaker: Mr. John A. Connor, P.E.
Date: Tuesday, March 8th, 1994
Time: Meeting at 6:00 PM, Presentation at 6:30 PM
Location: Orlando Public Library, 3rd. Floor
Contact: Please RSVP to Jorge Medina at 260-1676, ext. 400.

ULTRASONICS, FERROELECTRICS, AND FREQUENCY CONTROL

Time Domain Finite Element Electromechanical Modeling

Speaker: Mr. Gregory L. Wojick
Date: Friday, February 25th, 1994
Time: 10:00 AM
Location: Sawtek, Inc.
Contact: Please RSVP to Tom Voor (O) 886-8860 or leave message at 260-1676, ext. 300.

POWER ENGINEERING/INDUSTRIAL APPLICATIONS

Seminar: Recent Advances in Power Electronics & Business Meeting: Chapter Reorganization and Elections

Speaker: Dr. Issa Batarseh
Date: Tuesday, March 8th, 1994
Time: 6:30 PM
Location: Orlando Utilities Commission
Contact: Issa.Batarseh(O) 823-0185, (H) 366-6269, Gary Engmann (O) 240-9013, (H) 521-7985 or leave message at 260-1676, ext. 620.

COMMUNICATIONS/VEHICULAR TECHNOLOGY

General Meeting - Preparation for Chapter Election and General Discussion

Date: Thursday, March 10th, 1994
Time: 6:00 PM
Location: Amigos Restaurant, 494 North Semoran Blvd., Winter Park
Contact: Please RSVP to Michael German (O) 1-904-326-1483, (H) 678-5599 or leave message at 260-1676, ext. 240.

SIGNAL PROCESSING

Image Compression Techniques

Speaker: Mr. Shomit Ghosh, UCF EECS Department
Date: Thursday, February 24th, 1994
Time: 5:30 PM Refreshments, 6:00 PM Lecture
Location: UCF CEBA I Room 407
Contact: Please RSVP to Tim Young (O) 356-8865 or leave message at 260-1676, ext. 280.

Geometrical Ideas in Signal Processing

Speaker: Dr. Louis Scharf, SP Distinguished Lecturer, University of Colorado
Date: Thursday, March 24th, 1994
Time: 5:30 PM Refreshments, 6:00 PM Lecture
Location: Hewlett Packard on Lake Ellenor Drive
Contact: Please RSVP to Tim Young (O) 356-8865 or leave message at 260-1676, ext. 280.

See Meeting Announcements, page 3
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

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Education: Dr. Amir Mortazawi, UCF
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Jacqueline H. Hines, Section Chairman
CHAIRMAN'S CORNER

Mr. Ali Atashroo has the Section e-mail bulletin board functional, with a dedicated phone line providing full-time access to the system. Members can call in at (407) 260-0084 to leave messages and peruse those left by other section members. During the next month, the system will be upgraded to operate on O/S2 for Windows, allowing system maintenance to be performed without taking the system off-line.

The Student Chapter of IEEE at UCF is very active this year. They meet weekly, often with meeting attendance of 30 or more people! Advisors Dr. Sam Richie and Dr. Ron DeMarz have facilitated the groups efforts, encouraging activities such as "PC Kindergarten" for less-than-literate would-be computer users, and a number of other creative projects. The students plan to fill a tented pavilion provided by the Orlando Section with projects for Engineer's week at UCF. Included will be several attention getting items, including the UCF MicroMouse, robot, and a Van de Graaff generator to give the visiting high school students a "charge". This is the type of involvement the Section likes to see -- keep it up, students!!

SOUTHCON '94 is coming up soon -- March 29-31 - and will be held in the Orange County Convention Center. The conference should provide an exciting opportunity to learn about current research and applications in a number of technical areas. Over 350 companies will have exhibits, featuring Components; Systems and Subsystems; Test and Measurement Equipment; and Production Equipment, Materials and Services. Additionally, over 100 technical presentations will be given, with 5 keynote speakers and 10 tutorials. Tutorial topics include Neural Networks, Power Electronics, Electromechanical Actuation, Electric Vehicles, SPICE Modeling and Simulation, parallel Computing, DSP, Worst Case Circuit Analysis, Surface Mount Technology, and TOM/SPC. As a special bonus for Orlando Section IEEE members, five of the tutorials will be offered at a reduced fee -- even if you register late -- see the enclosed newsletter insert for details. The conference will highlight electric vehicle technology, and includes an alternative energy auto rally, the "FEC SunDay Challenge". A large number of members of the Orlando Section will present technical sessions and short courses at SOUTHCON. Orlando Section members interested in volunteering to help during the conference or obtaining additional information should contact Dr. Issa Batares at 823-0185.

The World Congress on Computational Intelligence will be held in Orlando in late June of 1994. This conference will provide a unique forum for technical discussions relating to neural networks, fuzzy logic, and evolutionary computing. The section participation will include volunteers during the conference, assistance with local arrangements and guest social programs, and publicity. Anyone interested in volunteering or obtaining more information can contact Dr. Ratan Guha.

Finally, I would like to encourage all Chapter Chairmen to attend the Executive Committee meetings. The meeting on February 1 had a very low attendance, and since we did not have a quorum, several issues could not be brought to a vote. These items will be discussed again at the March meeting. I hope to see all of you there -- we need your continued help to succeed!
WORKSHOP ON IMPROVING PRODUCT AND PROCESS QUALITY USING EXPERIMENT DESIGN

April 25 - 29, 1994

Howard Johnson Hotel, Lake Buena Vista, Florida

Sponsored by the National Institute of Standards and Technology (NIST), an agency of the Department of Commerce. NIST promotes U.S. economic growth by working with industry to develop and apply technology, measurements, and standards.

This workshop covers the fundamental principles and techniques of efficient experiment design—a rigorous strategy for conducting an experimental investigation. A "good" design yields unambiguous scientific and engineering conclusions with a minimal amount of experimental effort. The widespread development and use of run-efficient designs is one of the major reasons for Japanese breakthroughs in quality engineering and has been "standard operating procedure" in the Japanese engineering community for the last 20 years.

The workshop covers specific designs that have proven best for three very important problems:

- ferreting out the most important parameters from a large number of potential parameters
- converging to an optimal operating condition starting from a "best guess"
- identifying settings of controllable parameters that reduce product and process variation (Taguchi's quality engineering approach)

This workshop is for engineers in research and development or manufacturing with a goal of improving product and process quality.

For more information contact Eric Lagergren by phone at (301) 975-3245 or e-mail at lager@cam.nist.gov.
EVENTS CALENDAR

For the latest information call the IEEE Orlando Voice Information Center 260-1676

Feb 24 IEEE SP - Image Compression Techniques - UCF, T. Young (O) 356-8865
Feb 25 IEEE UFFC - Time Domain Finite Element Electromechanical Modeling - T. Voor (O) 886-8860
Mar 1 IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604
Mar 8 IEEE Consultants' Network - Consulting Professional Advisories - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Mar 8 IEEE PEIA - Recent Advances in Power Electronics - Orlando Utilities Commission, I. Batarseh, (O) 823-0185, (H) 366-6269
Mar 10 IEEE COM/VT - General Meeting - Preparation for Chapter Elections - Amigos Restaurant, M. Germain, (O) 1-904-326-1483
Mar 24 IEEE SP - Geometrical Ideas in Signal Processing - Hewlett Packard, T. Young (O) 356-8865
Mar 29-31 REGION 3, FCIIEEE - SOUTHCON '94 - Orange County Convention/Civic Center, Orlando
Apr 5 IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604
Apr 12 IEEE CN/COM/VT - Portable Pension Plans - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Apr 25-29 NIST - Improving Product & Process Quality Using Experiment Design - Lake Buena Vista, E. Lagergren 301-975-3245
May 3 IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604
May 10 IEEE Consultants' Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Jun 7 IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604
Jun 14 IEEE Consultants' Network - TBA - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Jun 26 - Jul 2 IEEE NNC - World Congress on Computational Intelligence - Walt Disney World Dolphin Hotel, (714) 752-8205

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POSITION WANTED
Orlando Area

Computer science educator/trainer seeks comparable or compatible position.
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- Extensive PC experience: DOS and Windows.
- Eight years college teaching experience.
- EE experience.

Call John Hay, (407) 682-4890

Southcon/94
Electronics Show and Convention

March 29-31, 1994
Orange County Convention Center
Orlando, Florida
For more information, call 800-877-2668

Sponsored by
Region 3, Florida Council, IEEE ⚪ and Sunshine Chapter, ERA ⚪
IEEE Orlando Section 1994 Awards Banquet

The 1993 Awards Banquet was held on February 19th at the Maison Jardin Restaurant and attended by over 80 people. The Orlando Section gave six student awards, twelve Chapter Engineer-of-the-Year awards, and three important Section awards. In addition, the Orlando Section was pleased to have Mr. Dorrel Shirley from the Florida Council of IEEE to present three Outstanding FCIIEEE awards to Orlando Section members, who were selected from all of the Sections in the State of Florida.

Student Awards
Each year the Orlando Section presents an award to the Outstanding Graduate and Undergraduate Student in Electrical Engineering, and in Computer and SRC chapters. This year's winner was presented with a certificate and a $50 check from the Orlando Section. They were the following:

Outstanding Undergraduate Student in C
Mr. Michael Smith
Outstanding Graduate Student in C
Mr. Glenn Martin
Outstanding Undergraduate Student in EE
Mr. Richard Heckenstaller
Outstanding Graduate Student in EE
Mr. Charles Folks
Outstanding Undergraduate Students in SRC
Mr. Wayne Haney and Mr. Joe Martinez

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 design, papers, and technical presentation, 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. The Chapter Engineer-of-the-Year awards were as follows:

Outstanding Orlando Section Award
Again this year, there were many excellent and well qualified nominations for the two Section Awards. The Orlando Section Outstanding Engineering 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. Majid A. Belkerid.

Dr. Ali Atashroo (left), Awards Chairman, presents the Outstanding Engineer Award to Dr. Gerald C. Holst

IEEE Florida Council Awards
Each year the Florida Council of the IEEE gives awards for Outstanding Engineer, Outstanding Engineering Educator, and Outstanding Service. The Orlando Section nominated the Section award winners from last year for the FCIIEEE awards and for the Region 3 awards of the same names. This year the nominees from Orlando won all three FCIIEEE awards. Mr. Dorrel Shirley, Vice Chairman of the FCIIEEE, presented these awards:

Outstanding Engineering Educator
Dr. J.S. (Peter) Yuan
Outstanding Engineer
Dr. Marion John Soileau
Outstanding Service
Dr. David F. Flinchbaugh

Mr. Dorrel Shirley (left), FCIIEEE Vice Chair.; Dr. J.S. Yuan, Outstanding FCIIEEE Engineering Educator; Dr. Marion J. Soileau, FCIIEEE Outstanding Engineer; Dr. Narsingh Des, Computer Engineer of the Year; and Dr. David F. Flinchbaugh, FCIIEEE Outstanding Service

Special thanks goes to Dr. Ali Atashroo for preparing all the certificates and plaques and serving as Master of Ceremonies, to Dr. K.B. Sundaram, who provided photographic coverage throughout the ceremonies. And special thanks to the Section's programs Chairperson, Dr. Parveen Wahid, 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 1994 IEEE Orlando Section Awards nomination.
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

EXECUTIVE BOARD
Chair: Jacqueline Hines, Sawtek Inc.
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Vice Chair: Dr. Parveen Wahid, UCF
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Secretary: Dr. Kalpathy B Sundaram, UCF
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CHAIRMAN'S CORNER

The tented pavilion provided by the Orlando Section was filled by the student members with projects for Engineer's week at UCF. Included were the UCF Micro-Mouse, robot, and a Van de Graaff generator. The students also handed out bumper stickers that say "UCF and IEEE - get a charge out of life." Unfortunately, rain caused the group to move indoors during the afternoon, but all in all, it was a fairly successful attempt to bring IEEE to the attention of younger engineering students and high schoolers.

Dr. Ali Atashroo has the Section e-mail bulletin board functional, with a dedicated phone line providing full-time access to the system. Members can call in at (407) 539-0884 to leave messages and peruse those left by other section members. There may be some brief downtime during the next month while Ali modifies the operating system, so please be patient and try back if you can't get through at first.

The World Congress on Computational Intelligence will be held in Orlando in late June of 1994. This conference will provide a unique forum for technical discussions relating to neural networks, fuzzy logic, and evolutionary computing. The section participation will include volunteers during the conference, assistance with local arrangements and guest social programs, and publicity. Anyone interested in volunteering or obtaining more information can contact Dr. Ratan Guha.

In addition to the World Congress, the Section has several other conferences under consideration for the next few years. One new addition is the National Telecommunications Conference (NTC), proposed for 1995. This conference would run in conjunction with the MTT Symposium, and would be financially supported by the Section. Section volunteers would also provide services to plan and run the conference. Anyone interested in volunteering, please contact Dr. Parveen Wahid at 823-2610.

Finally, I would like to encourage all Chapter Chairmen to continue to attend the Executive Committee meetings. The meeting on March 1 did have a quorum, and I appreciate those of you who attended. This meeting adjourned at 7:30 PM, and I will try to see to it that future meetings are similar in length. Our next meeting is April 5, and I hope to see all of you there -- we need your continued help to succeed!

Orlando Section Monthly

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ADVANCE PROGRAM

Wednesday, June 22
Invited Presentation - "Principled Design of Programming Languages" by Guy L. Steele Jr., Thinking Machines Corporation
"Is Continuation-Passing Useful for Data Flow Analysis?" A. Sabry, M. Felleisen
"Separate Compilation for Standard ML" A. Appel, D. MacQueen
"Lazy Functional State Threads" J. Launchbury, S. Jones
"VLJW Compilation Techniques in a Superscalar Environment" K. Eboigbodu, R. Groves, K. Kim, G. Silberman, I. Ziv
"Link-Time Optimization of Address Calculation on a 64-bit Architecture" A. Srivastava, D. Wall
"Division by Invariant Integers using Multiplication" T. Granlund, P. Montgomery
"Precise Compile-Time Performance Prediction for Superscalar-Based Computers" K. Wang
"Accurate Static Estimators for Program Optimization" T. Wagner, V. Maverick, S. Graham, M. Harrison
"Improving Semi-static Branch Prediction by Code Replication" A. Krall
"Counting Solutions to Presburger Formulas: How and Why" W. Pugh
"Parallelizing Complex Scan and Reduction Operations" A. Fisher, A. Gholam

Student Research Forum
Thursday, June 23
"Partial Dead Code Elimination" J. Knoop, O. Rutherford, B. Steffen
"Effective Partial Redundancy Elimination" P. Briggs, K. Cooper
"The Program Structure Tree: Conquering Control Regions in Linear Time" R. Johnson, D. Pearson, K. Pingali

Memory Access Coalescing: A Technique for Eliminating Redundant Accesses" by J. Davidson, S. Jinturkar
"ATOM: A System for Building Customized Program Analysis Tools" A. Srivastava, A. Eustace
"Measured Cache Performance of Scheme Programs" M. Reinhold
"A General Data Dependence Test for Dynamic, Pointer-Based Data Structures" J. Hummel, L. Hendren, A. Nicolau
"Interprocedural May-Alias Analysis for Pointers: Beyond k-limiting" A. Deutsch
"Context-Sensitive Interprocedural Points-to Analysis in the Presence of Function Pointers" M. Emami, R. Ghiya, L. Hendren
"Zero-cost Range Splitting" S. Kurlander, C. Fischer
"Register Allocation over the Program Dependence Graph" C. Norris, L. Pollock

TUTORIALS

Functional Programming Languages, Benjamin Goldberg, New York University, (Monday, June 20, 9:00-12:00)
Object Oriented Language Paradigm and C++, San Lippman, AT&T Bell Laboratories, (Monday, June 20, 1:30-4:30)
A Perspective on Languages and Compilers, Francis Allen, IBM T.J. Research Center, Monday, June 20, 5:00-6:00)
Compiler Construction, Ron Cytron, Washington University, (Tuesday, June 21, 8:30-12:30)

Compiling for Parallelism, Guy L. Steele Jr., Thinking Machines Corporation, (Tuesday, June 21, 2:00-5:00)

To increase the representation of women and minorities in computer science, a grant was awarded by NSF to provide a limited number of travel grants to faculty from undergraduate minority and women's colleges and universities. Registration fee scholarships will be provided by SIGPLAN for the faculty awarded these travel grants. More information on application procedures can be found via the anonymous ftp address at the bottom of this ad.

STUDENT RESEARCH FORUM

The Student Research Forum on Wednesday, June 22, 1994, provides an opportunity for graduate students attending PLDI'94 to discuss their research at poster sessions. This two hour evening session will feature concurrent short presentations by student participants organized in poster formats. Students who wish to present a poster display of their research can obtain more information via the ftp address at the bottom of this ad (deadline April 15, 1994).

WORKSHOPS

Program Co-Chairs: Thomas Marlowe (Seton Hall University) marlowe@cs.rutgers.edu, William Pugh (University of Maryland) pugh@cs.umd.edu

ACM SIGPLAN Workshop on ML and its Applications, June 25-26, 1994
Program Chair: Didier Remy (INRIA) Didier.Remy@inria.fr Workshop Chair: John Reppy (AT&T Bell Laboratories) jhn@research.att.com

ACM SIGPLAN Workshop on Partial Evaluation and Semantics-based Program Manipulation, June 25, 1994
Program Co-Chairs: Peter Sestoft (Technical U. of Denmark) sestof@id.dtu.dk, Harald Sonderegger (U. of Melbourne) harald@cs.mu.oz.au

GENERAL INFORMATION

Conference Co-Chairs: Barbara Ryder, Rutgers University ryde@rutgers.edu
Mary Lou Soffa, University of Pittsburgh soffa@cs.pitt.edu

Program Committee: Vivek Sarkar, IBM Santa Teresa Lab, vivek_sarkar@vnet.ibm.com (chair)
Craig Chambers
Rajiv Gupta
Tom Markowe
Anne Rogers
Michael Wolfe
Francois Irigoin
James McGraw
Linda Torczon
Benjamin Zorn

Registration Information - In order to register, obtain a registration form at the anonymous ftp address below or fax a request for a form to (407) 628-3186.

Hotel Reservations - The conference hotel is Lake Buena Vista Hilton in Lake Buena Vista, Florida. Call 1-800-782-4414 to make reservations. Be sure to identify the reservation as with the group ACM-SIGPLAN.

More information about PLDI'94 - All information and documents concerning PLDI'94 and Disney information can be obtained in electronic form via the anonymous ftp from speedy.cs.pitt.edu:pub/pldi'94. The index of information can be found in file READ_ME in the ftp directory.
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.

ELECTRON DEVICES/COMPONENTS, HYBRIDS AND MANUFACTURING TECHNOLOGY
Series Resistance and Effective Channel Length Extraction on MOSFET Devices

Speaker: Dr. A. Ortiz-Conde, UCF, EECS Dept.
Date: Wednesday, April 13th, 1994
Time: 6:00 PM. Refreshments will be available
Location: UCF, CEBA I, Room 407
Contact: Dr. K.B. Sundaram 823-5326 (O), or leave message at 260-1676, ext. 250.

SIGNAL PROCESSING
Geometrical Ideas in Signal Processing

Speaker: Dr. Louis Scharf, SP Distinguished Lecturer, University of Colorado
Date: Thursday, March 24th, 1994
Time: 5:30 PM Refreshments, 6:00 PM Lecture
Location: H-P on Lake Ellenor Drive

Lossless Compression Techniques

Speaker: Mr. George F. McClure
Date: Tuesday, April 12th, 1994
Time: 6:00 PM Meeting, 6:30 PM Lecture
Location: Orlando Public Library, 3rd Floor
Contact: Please RSVP to Jorge Medina at 260-1676, ext. 400.

ALLIANCE OF THE IEEE CONSULTANT'S NETWORK and COMMUNICATIONS/VEHICULAR TECHNOLOGY Joint Meeting

IEEE Member Benefits
Topic: IEEE member benefits will be the subject of a talk by George McClure. The present insurance program, credit card, and new benefits in the offering will be described, including the IEEE Travel Service. Special insurance needs of consultants will be discussed, with an opportunity for members present to provide feedback on new requirements for benefits that IEEE might fulfill.

Speaker: Mr. George F. McClure
Date: Tuesday, April 12th, 1994
Time: 6:00 PM Meeting, 6:30 PM Lecture
Location: Orlando Public Library, 3rd Floor
Contact: Please RSVP to Jorge Medina at 260-1676, ext. 400.

IEEE-USA INTRODUCES NEW JOB REFERRAL SERVICE

The IEEE U.S. Activities is offering members and their families a new, inexpensive job referral service in conjunction with JOB BANK USA, one of the nation's premier employment database companies. Their career advancement service combines the speed and efficiency of a state-of-the-art computerized database with a large client base of employers throughout the nation.

Until March 31, 1994, IEEE members and members of their families can enroll at an introductory rate of only $27.00 - 65% less than the non-member price of $75.00. After March 31, IEEE members will be eligible for a special, but slightly higher, rate. For more information and a Career Advancement Service enrollment form, call JOB BANK USA toll-free at 1-800-296-1872, and indicate IEEE affiliation.

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Mar 24
IEEE SP - Geometrical Ideas in Signal Processing - Hewlett Packard, T. Young (O) 356-8665

Mar 29-31
REGION 3, FCIIEEE - SOUTHCON '94 - Orange County Convention/Civic Center, Orlando

Apr 5
IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604

Apr 12
IEEE AICN/COM/VT - IEEE Member Benefits - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676

Apr 13
IEEE EDCHMT - Series Resistance & Effective Channel Length Extraction on MOSFET Devices - UCF, CEBA I Room 407, K. Sundaram, (O) 823-5326

Apr 21
IEEE SP - Lossless Compression Techniques - UCF, Engineering Bldg. Room 407, T. Young (O) 356-8665

Apr 25-29
NIST - Improving Product & Process Quality Using Experiment Design - Lake Buena Vista, E. Lagergren 301-975-3245

May 3
IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604

May 10
IEEE AICN - TBA - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676

May 19
IEEE SP - Radar Signal Processing - UCF, Engineering Bldg. Room 407, T. Young (O) 356-8665

Jun 7
IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604

Jun 14
IEEE AICN - Section 1706 of the Tax Reform Act of 1986 - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676

Jun 20 - 24
ACM - Programming Language Design and Implementation - Walt Disney World Village, Orlando, (O) 628-3186

Jun 26 - Jul 2
IEEE NNC - World Congress on Computational Intelligence - Walt Disney World Dolphin Hotel, Orlando, (714) 752-8205

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POSITION WANTED

Ph.D. Candidate graduating in May is seeking a position requiring expertise in Neural Networks, Pattern Recognition, Image/Signal Processing, or Spread Spectrum Communications.

Contact Ms. Juxin Huang at (407) 282-3576 (H), (407) 823-0016 (O) or jnh@engr.ucf.edu

POSITION WANTED

FRESH UCF Graduate - BSEE

10 year Navy veteran, bright, dedicated, eager to gain experience in Communications and Software Engineering.

Call Zack Loban, (407) 696-5827
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.

Consultant's Network

*The Business of Troubleshooting*

**Topic:** Many aspects of the business of troubleshooting will be discussed, including troubleshooting techniques and how it is done, some experiences in the field, together with finding prospects, approaching the customer, invoicing, contracts and finances. There will be ample opportunity given for questions and discussion.

**Speaker:** Mr. Peter Hoyles, Consultant

**Date:** Tuesday, May 10th, 1994

**Time:** Meeting 6:00 PM, Presentation 6:30 PM

**Location:** Orlando Public Library, 3rd. Floor

**Contact:** Please RSVP to Jorge Medina at 260-1676, ext. 400.

Power Engineering/Industry Applications and Power Electronics Joint Meeting

*Power Quality Seminar*

**Topic:** Power Quality, an overview of causes, effects and mitigation.

**Speaker:** Mr. Bruce Ashley, P.E.

**Date:** Tuesday, May 24th, 1994

**Time:** Dinner 6:00 PM,
Meeting 7:00 PM

**Location:** Morrison's Cafeteria,
1840 East Colonial Drive, Orlando

**Contact:** Issa Batarseh 823-0185 (O), 366-6269 (H),
Gary Engmann 240-9013 (O), 521-7985 (H)

Signal Processing

*Officer Elections and Radar Signal Processing*

**Speaker:** Dr. Jim Hughen, Martin Marietta

**Date:** Thursday, May 19th, 1994

**Time:** Refreshments 5:30 PM,
Lecture 6:00 PM

**Location:** UCF, Eng. Bldg. Room 407

**Contact:** Please RSVP to Tim Young (O) 356-8865 or 260-1676, ext. 280.

1994 IEEE Installation Banquet

6:00 PM, Sunday, June 12th, 1994

**Lee's Lakeside Restaurant**
431 East Central Boulevard, Orlando

**Cost:** $25.00

For reservations or additional details please contact Dr. Parveen Wahid at 823-2610 (O) or 677-0571 (H)
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       (VM) 150, (O) 1-407-867-3193, (H) 678-9674

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       (VM) 220, (O) 273-5940
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       (VM) 240, (O) 1-904-326-1483, (H) 678-5599
ED/CHMT: Dr. Kalpathy B. Sundaram, UCF
        (VM) 250, (O) 823-5326, (H) 671-8483
LEO: Dr. Glenn D. Boreman, UCF
     (VM) 260, (O) 658-6815
PE/IA: James R. Pipkin, Westinghouse
       (VM) 270, (O) 281-2916
SP: Timothy Young, Martin Marietta Corp
    (VM) 280, (O) 356-8685, (H) 857-3878
SRC: Dr. Harley Myler, UCF
     (VM) 290, (O) 823-5098, (H) 657-4680
UFFC: Thomas E. Voor, Sawtek Inc.
      (VM) 300, (O) 866-8860, (H) 267-1146

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Neural Network: Dr. M. Georgioupolous, UCF
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Education: Dr. Amir Mortazawi, UCF
          (VM) 630, (O) 823-5957
Historian: Dr. Madjid B. Westedid, UCF
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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)

   A. Name
   Position/Title
   Address
   City/ZIP/Phone

   B. Name
   Position/Title
   Address
   City/ZIP/Phone

   C. Name
   Position/Title
   Address
   City/ZIP/Phone

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 #5 for candidate qualifications.
one voting member that represents us on the Council) is aware of our feelings on the issue. Since this issue will not be raised for a vote by the Region until this fall (at the earliest), we have a few months in which to contact the ExCom members, and this issue will be discussed in detail at the next Orlando Section ExCom meeting. Section members interested in knowing more (and there are several aspects to consider) are welcome to attend. A summary of the meeting proceedings regarding this topic will be published in the next issue of the newsletter. It may be advisable to postpone contacting region representatives until after this meeting, however any member who wants to contact the Region 3 ExCom can e-mail at reg03.excom@ieee.org. Contact information for regular mail can be found in the Region 3 newsletter, or feel free to call a member of the Section Executive board for contact information.

In case you are wondering what other issues were discussed at the Region meeting, there were several, of which the following are highlights. The Baton Rouge and New Orleans Sections has desired for some time to leave Region 3 and join Region 5. This has been an emotional issue for all involved, and has been actively discussed for about the last two years. Region 3 has now voted to allow the continuation of the process to transfer these sections, which may ultimately lead to a vote by the members at large to resolve this question. A Region 3 special project is well underway to provide an employer database for use by members who are searching for new positions. A demonstration of the computerized search system at the Region 3 meeting showed that this holds a lot of promise for successfully providing the membership with much needed information on potential employers (including detailed point of contact information, etc.). More news on this as it develops. Region 3 has more funds available for Section "special projects", so let's get thinking about some good ways to put Region funds to use for the whole Region membership!

On a lighter note, the 1994 Orlando Installation Banquet will be held in mid June, at Lee's Lakeside Restaurant in Orlando. A cocktail hour with cash bar will be held before dinner. More details can be obtained from Dr. Wahid, at 823-2610.

Finally, I would like to encourage all Chap-

ter Chairman and interested members to attend the Executive Committee meeting on May 3 — there are some substantive issues which need to be discussed, and which affect the entire section.

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★ STAR SEARCH ★

M. Ali Atashroo, 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 electro-technology 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 electro-technol-

ogy 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 nominators! My mailing address and telephone are: 1512 Indian Dance Court, Maitland, FL 32751; Voice Mail: 260-1676 Ext. 905, Office: 356-6914, Home: 539-0465.

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.

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Page 5
The Orlando Section Monthly

Events Calendar

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May 3
IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604

May 10
IEEE AICN - The Business of Troubleshooting - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676

May 19
IEEE SP - Radar Signal Processing - UCF, Engineering Bldg. Room 407, T. Young (O) 356-8865

May 24
IEEE PE/IA - Power Quality Seminar - Morrison’s Cafeteria, G. Engmann, (O) 240-9013, (H) 521-7985, I. Batarseh, (O) 823-0185

Jun 7
IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 886-8860, (H) 628-1604

Jun 12
IEEE Orlando Section - Installation Banquet - Lee’s Lakeside Restaurant, P. Wahid, (O) 823-2610, (H) 677-0571

Jun 14
IEEE AICN - Section 1706 of the Tax Reform Act of 1986 - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676

Jun 20 - 24
ACM - Programming Language Design and Implementation - Walt Disney World Village, Orlando, (407) 628-3186

Jun 26 - 29
IEEE NNC - The 3rd International Fuzzy Systems Conference - Walt Disney World Dolphin Hotel, Orlando, (714) 752-8205

Jun 26 - Jul 2
IEEE NNC - World Congress on Computational Intelligence - Walt Disney World Dolphin Hotel, Orlando, (714) 752-8205

Jun 26 - Jul 2
IEEE NNC - International Conference on Evolutionary Computing - Walt Disney World Dolphin Hotel, Orlando, (714) 752-8205

Jun 28 - Jul 2
IEEE NNC - International Conference on Neural Networks - Walt Disney World Dolphin Hotel, Orlando, (714) 752-8205

Aug 2
IEEE Orlando Section - EXCOM - Hewlett-Packard

Aug 9
IEEE AICN - TBA - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676

Dec 14-16
IEEE CSS - The 33rd IEEE Conference on Decision and Control - Lake Buena Vista, M. Masten, 214-462-3433

May 15-19, ’95

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Position Wanted

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Contact Ms. Juxin Huang at (407) 282-3576 (H), (407) 823-0016 (O) or jnh@engr.ucf.edu

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Call Zack Loban, (407) 696-5827
The Orlando Section of the Institute of Electrical and Electronics Engineers
Announces the

1994 IEEE Orlando Section

Installation Banquet

Sunday, June 12, 1994
Lee's Lakeside Restaurant
431 East Central Boulevard, Orlando

Program:
6:00 PM - Cocktails (Cash Bar)
7:00 PM - Dinner

Guest Speaker:
Ms. Sondra Quinn
Director of the Orlando Science Center

Presentation of Awards:
Certificates of Appreciation
Outstanding Chapter Award
Outstanding Service Award
Outstanding Entrepreneur Awards

This is an excellent opportunity to meet other members of the Orlando engineering community. For reservations or additional details please contact
Dr. Parveen Wahid at 823-2610 or 677-0571

Reservation Form
Please make ___ reservation(s) for the 1994 IEEE Orlando Installation Banquet. My check for* $___ ($25 each) is enclosed. Make check payable to IEEE. Choice of Entree: [ ] Prime Rib Au Jus, [ ] Seafood-Fresh Catch of the Day, and [ ] Chicken Marsala with Mushrooms.

Mail to: IEEE Installation Banquet
        c/o Dr. Parveen Wahid
        10527 Via del Sol
        Orlando, FL 32817
        823-2610 or 677-0571
        * No Charge to IEEE Orlando Section Fellows and their spouses.

Reservations must be received no later than June 7th, 1994

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.

CONSULTANT'S NETWORK

Section 1706 of the Tax Reform Act of 1986
Program: Most engineers in private practice are at least vaguely aware of this "Anti-Engineer Law." If you have not yet taken action to support its repeal or are unsure of just what it is, please join us.

Speaker: Mr. Jorge Medina, MSI
Date: Tuesday, June 14th, 1994
Time: 6:00 PM Meeting, 6:30 PM Presentation
Location: Orlando Public Library, 3rd. Floor
Contact: Jorge Medina 260-1676, ext. 400.

POWER ENGINEERING/
INDUSTRY APPLICATIONS/
POWER ELECTRONICS

Three Phase Short Circuits Seminar/Video

Video Topic: Part One of the Power Systems Fault Calculations Series.
Date: Tuesday, June 21st, 1994
Time: 6:00 PM
Place: Westinghouse Power Generation Training Room 2E17, 4400 Alafaya Trail
Contact: I. Batarseh 823-0185, G. Engmann 240-9013, B. Nelson 281-5381

SYSTEMS, ROBOTICS & CONTROL

H∞ and Methods of Robust Control Video Tutorial

Topic: This begins a series of meetings that will cover the entire two day tutorial (seven video cassettes) presented by R. Lane Dailey and guest lecturers from the UK. At this meeting we will schedule future showing times of the tapes.
Speaker: R. Lane Dailey, The Boeing Co.
Date: Thursday, June 9th, 1994
Time: 6:00 PM
Location: UCF, Engineering Bldg., Room 274
Contact: Dr. H. Myler 823-5098
This meeting is restricted to IEEE members only.
IEEE ORLANDO SECTION
Region 03 Council 05 Section 51

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Jacqueline H. Hines, Section Chairman
CHAIRMAN'S CORNER

The World Congress on Computational Intelligence sponsored by the IEEE Neural Network Council will be held June 25-July 4, 1994 at the Walt Disney World Dolphin Hotel. The Orlando Section volunteer team will help with the operations, and although time is getting short, there is still time for you to volunteer! Section volunteer participation at the conference will include assistance with local arrangements and guest social programs. Anyone interested in volunteering or obtaining more information can contact Dr. Ratan Guha, or contact a member of the executive board.

At the May Section Executive Committee meeting, the proposal before the Region 3 Executive Committee to consider purchasing laptop computers was discussed. As described last month, the purchase would entail the expenditure of roughly $40,000 of Region 3 funds, approximately 25% of the entire financial resources of Region 3. The purpose for the purchase is to move toward “paperless” meetings, thus avoiding the expenses associated with copying and shipping of hard copies of reports, etc., and to increase the efficiency of Region 3 ExCom meetings. The laptops could also be used to generate disk versions (instead of hardcopy) for Region manuals such as the Awards manual, etc. After considering all apparent aspects of the situation, the Orlando Section Executive Committee has concluded that:

1. There is no apparent financial “payback” associated with purchase of laptops significant enough to justify the expenditure of these funds.
2. There is no apparent benefit to the members of Region 3 from this purchase (with the exception, of course, of the EXCOM members, for whom it is a nice perk)
3. Use of such electronic media for meetings, while eliminating paper, would do nothing to reduce the amount of last-minute “shuffling” that goes on because people get their reports in at the last minute - - - it would just be disk shuffling rather than paper!
4. The money intended for use in this manner could be much better spent on projects that would benefit the entire Region 3 membership, such as the employment database, etc. (Our Strategic Planning Committee is meeting to try to develop some ideas for special projects to utilize the “available” Region funds).
5. Purchase of a limited number of laptops for use by specific EXCOM members (such as secretary, treasurer, conference chairman, and director) would be a much more reasonable proposal, and would provide the EXCOM members who really need access to computers at meetings with this capability.

I am drafting a letter to the Region 3 EXCOM indicating that the Orlando Section does not think the proposed purchase is a wise use of Region Funds, and will forward copies to other Regional and Section officials for their information. I strongly encourage individual section members to voice their opinions on this matter - - only by letting the EXCOM members know what we think can we influence how they vote! Any member who wants to contact the Region 3 EXCOM can e-mail them at reg03.excom@ieee.org. Contact information for regular mail can be found in the Region 3 newsletter, or feel free to call a member of the Section Executive board for contact information.

The 1994 Orlando Installation Banquet will be held on June 12, at Lee’s Lakeside Restaurant in Orlando. A cocktail hour with cash bar will be held at 6 P.M. before dinner. Our programs chairman has arranged for an informative speaker from the Orlando Science Center - - see the announcement for more information and prices.

Candidates for Orlando Section Officers Named
In accordance with the Section Bylaws, the following candidates for Section Officers for terms beginning July 1, 1994 and ending June 30, 1995, are as follows:

Chairperson: Dr. Parveen Wahid
Vice Chairman: Mr. Dave King
Treasurer: Dr. Kalpathy B. Sundaram
Secretary: Mr. Michael Germain

Each person was contacted by the Nominations Committee and was found to be qualified and willing to serve.

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Electronic Bulletin Board
The IEEE Orlando Section is sponsoring a free, 24-hour electronic bulletin board system (BBS). Dr. Ali Atashroo set up and manages the BBS which can be accessed via modem (8 Bits - No Parity -1 Stop Bit) by dialing 539-8884. The goal of the BBS is to promote fellowship, education, and communication with fellow engineering and scientific professionals and students. The IEEE-OS BBS is at its infancy and with members’ help and volunteerism we will grow to a full-fledged BBS to service our local members as a local BBS and ultimately as an e-mail hop to Internet. Assistance of old-hands sysops is appreciated.

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Jun 7  IEEE Orlando Section - EXCOM - Hewlett-Packard, J. Hines, (O) 866-6860, (H) 628-1604
Jun 9  IEEE SRC - H and Methods of Robust Control - UCF, H. Myler, (O) 823-5098
Jun 12 IEEE Orlando Section - Installation Banquet - Lee's Lakeside Restaurant, P. Wahid, (O) 823-2610, (H) 677-0571
Jun 20 - 24 ACM - Programming Language Design and Implementation - Walt Disney World Village, Orlando, (407) 628-3186
Jun 21 IEEE PE/A/PEL - Three Phase Short Circuits - Westinghouse, I. Batarseh, (O) 823-0185, G. Engmann, (O) 240-9013
Jun 26 - 29 IEEE NNC - The 3rd International Fuzzy Systems Conference - Walt Disney World Dolphin Hotel, Orlando, (714) 752-8205
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Jun 26 - Jul 2 IEEE NNC - International Conference on Neural Networks - Walt Disney World Dolphin Hotel, Orlando, (714) 752-8205
Aug 2  IEEE Orlando Section - EXCOM - Hewlett-Packard
Aug 9  IEEE CN - TBA - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Sep 6  IEEE Orlando Section - EXCOM - Hewlett-Packard
Sep 13 IEEE CN - TBA - Orlando Public Library, 3rd Floor, J. Medina, (O) 260-1676
Dec 14-16 IEEE CSS - The 33rd IEEE Conference on Decision and Control - Lake Buena Vista, M. Masten, 214-462-3433

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