Greetings for 1997. A prosperous New Year to all. Looks like another busy time this year.

This edition of the Region 3 Newsletter is a continuation of last year's sending of the newsletter to all the members in the region. You liked it so well we are doing it again.

Some of the Director goals for 1997 will be a continuation of the 1996 goals, to boost membership retention, continue employment assistance and greatly improve delivery of educational materials to our members. These are areas where you can help. Your Section Leaders can always use a hand in contacting members in arrears, and the unemployed member will always appreciate news of an employment opening. Education is going to be a big thing in a few years as more states require continuing education to renew P.E. registration.

I call the reports of the region's officers and committee chairs to your attention. They provide a good feel of what is happening in Region 3. These volunteers put a great amount of effort into the jobs they do for the Institute. If you have comments or suggestions con-
Each year Region 3 sponsors two major conferences. Southcon, an Exposition and conference, being held in Raleigh, NC for the first time this year, on March 25-27 in the Raleigh Civic Center. The other is SoutheastCon our very successful Professional, Student and Annual region Meeting, being held this year in Blacksburg, VA at Virginia Tech, April 11-14. There are pull out sections on each conference in this newsletter.

The Southcon Exposition and Conference is an excellent chance to see and put your hands on the latest electronic hardware and components. I am informed that better than 250 booth have been contracted for the exposition. What is needed now is YOUR attendance. The vendors at this exposition as any other show depend on good viable leads from a steady stream of engineers and buyers through the show floor. I encourage you to attend. We need a good turn out from both Virginia and South Carolina and other surrounding states as well as North Carolina.

SoutheastCon is the region’s Premier Technical Conference each year. It is held in various cities throughout the region in conjunction with a major University in the area. The conference proceedings are peer reviewed and published in a conference record available as part of the registration fee. At the same time and place students from the region are involved with a Hardware Contest, a Software Contest and the finals of a Technical Paper Contest. Oh yes, they have a good time too. So you all come and have a good time with us at Southeastcon in Blacksburg.

**DIRECTOR ELECT**

Dale Caston

Here it is 1997 and soon it will be the next millennium, time does past faster the older one gets. As we look back on 1996, some highlights are remembered:
- Jim Beall started his first year as Director of Region 3.
- An ice storm in the northern part of the Region prevented many of the EXCOM members (including myself) from attending the January meeting in Memphis.
- For the first time every Region 3 member received a special edition of the newsletter promoting SoutheastCon '96 and other Regional activities.
- While the attendance was down some, a successful SoutheastCon '96 was held in Tampa, sponsored by the Florida West Coast Section and Chaired by Jim Howard.
- The top event of the year was the Sections Congress in Denver. To my knowledge, no one lost his luggage at that airport. All IEEE Regions had excellent attendance at this informative and challenging meeting.
- The Atlanta EXCOM Meeting closed the year on a positive note. It was reported that the Electro-Technology Industry Database was expanded to included two additional regions.
- The revised Region 3 Awards Manual was placed on computer disk for the first time for ease of distribution.
- Numerous PACE and Student Activities happened during the year.
- The GOLD program was started to help retain young IEEE members.
There were many other events and committee projects that are too numerous to recount in this column. Thanks and appreciation are extended to all the good work accomplished by our Region 3 volunteers.

Looking forward to 1997, there are some encouraging signs:
- Continued technological advancements means engineers will be needed and in demand.
- Economy is forecast to remain stable with slow growth.
- Many Sections Congress recommendations will be implemented.
- A good SoutheastCon '97 is planned at Blacksburg, Virginia April 12-14th. It will be hosted by the Virginia Mountain Section and the Chair is Russell Churchill.

In closing, a quick word to our Section Officers, please have the end of year reports completed and mailed in a timely fashion, so that your section will receive the 10% rebate bonus.

And to all, have a great IEEE year 1997.

**TREASURER’S REPORT**

Reed Thompson

Region 3 had another excellent financial year in 1996. Although some final figures are not yet in, the preliminary results are very good. Receipts exceeded budget by $20,000 and disbursements were under budget by $37,000. While we had budgeted for a net deficit for the year, the actual result was that we had a net surplus to add to our reserves of $20,000. The total amount of funds available at the end of the year was $185,000. The Region is financially positioned to continue to provide excellent services to the members of Region 3.

A summary of the various account follows for your additional information.

<table>
<thead>
<tr>
<th>Account</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEEE Long Term Savings Account</td>
<td>$74,117.67</td>
</tr>
<tr>
<td>IEEE Concentration Account</td>
<td>$88,010.25</td>
</tr>
<tr>
<td>Money Market Account</td>
<td>$20,018.68</td>
</tr>
<tr>
<td>Checking Account</td>
<td>$2,691.88</td>
</tr>
<tr>
<td>TOTAL FUNDS</td>
<td>$184,838.46</td>
</tr>
</tbody>
</table>

**AREA 3 GEORGIA**

Bill Harrison, Jr.

The Atlanta, Central Georgia and Savannah Sections are starting 1997 with technical and social activities which will be reported in the next Region 3 newsletter.

**Wally Read Visits Atlanta**

IEEE members are invited to attend the Atlanta Section’s Annual Meeting & Banquet on Thursday, February 6, 1997. Wally Read, IEEE Past President, will be guest speaker. The meeting will be held...
in the Floyd Room of the Sloppy Floyd Building, the twin-tower State of Georgia Office Building located near the State Capitol. The social activities begin at 6:00 P.M. and dinner will be served at 7:30. Awards, recognition of new fellows, and remarks by Wally Read will follow dinner. Contact John Buck, 1996 Section Chair, to reserve your place and to obtain directions (e-mail john.buck@ee.gatech.edu or telephone 404-894-4705).

Sections Congress'2002

The Atlanta Section Executive Committee has submitted a “letter of interest” requesting to be considered as the host Section for Sections Congress 2002.

FLORIDA COUNCIL

Osama Mohammed

In its final meeting of 1996 which was held in Orlando, Florida, the Florida Council elected me to serve for another term through 1997. Most of the Florida Council officers and committee chairs and liaison representatives have agreed to continue serving IEEE members in Florida for one more year.

During 1996, the council and its 12 member sections were involved in a variety of activities. We have had four good meetings during 1996: the first on January 12, 1996 in Orlando, the second on April 12, 1996 in Tampa, the third on August 24, 1996 in Tampa, and the fourth meeting was held on December 7, 1996 in Orlando. Most of the council meetings are held in a central location for easy access to all sections. All four council meetings held throughout the year were well attended. The first council meeting for 1997 will be held on February 15 in Orlando. Some of the activities of the Florida Council during 1996 and our plans for 1997 include:

The Florida Council has established a WEB site http://www.flsig.org/ffceu/ and all Florida sections and student chapters are now encouraged to post their newsletters on this WEB site, for member review.

A Computer Society was formed at the Jacksonville Section and they are using their web page to announce meetings. Also, petitions have been submitted to form a joint IAS/PES chapter in Jacksonville.

A Computer Society was formed at the Florida West Coast Section.

The Student Chapter at Embry Riddle Aeronautical University in the Daytona Beach Section was created and has finally become official.

The council continued its strong awards program by selecting from section nominations three awards for outstanding educator, outstanding engineer and outstanding educator. Other sections have also their own awards programs. An example include the Miami Section which honored two of its members for their distinguished engineering work in industry.

A discussion at the council level on how we could become more helpful to sections and members. Some of the ideas being considered include: retirement, education, job, ethics, qualifications of engineers. Several ideas will be generated during this year.

In an effort to conduct more efficient meetings, a more “standardized” section report format was approved. Section reports will follow the standard one page section report. A copy of this form was placed on the councils web site. Also, the concept of a paper-less meeting was discussed and the web site will be utilized towards this goal. One of the Florida Council Meetings during 1997 will be held via teleconferencing.

The council has an alternate funding committee that is looking at future funding mechanisms for the council. All sections are currently involved in ensuring the success of Southcon and enhancing its future.

The Florida Council has a committee that is also looking at training needs for new section officers. One of the council meetings will be extended to a second day for training.

The Florida Council and its sections continue to be active in major conference organization. Southcon and SoutheastCon '98 will be held in Orlando. Furthermore, the 1998 PES Winter meeting will be held in Tampa.

The Council participated in the Engineering and Science Fair with awards carrying IEEE and the councils name. Many Florida IEEE Sections have programs to assist students and enhance membership.

We look forward to an exciting year and to reporting on our experience throughout the year.

AREA 6
(AL AND MS)

Perry Wheless

Mark Williams, Mississippi Section Chair, reports some very good recent meetings, with presentations on the Internet, cellular technology, and new integrated circuit designs. John Marshall attended the PACE conference in Phoenix, and reported his findings to the membership at the next section meeting. The University of Southern Mississippi student branch participated in one Mississippi Section meeting, and the Mississippi State University student branch brought their SoutheastCon Hardware Competition entry and made an excellent student presentation at another. The Mississippi Section is working with three offices this year, and the Northeast Mississippi Subsection remains short of nominations and volunteers. If you are reading this Newsletter as a resident of either, be aware that IEEE leadership opportunities are open and available in your local neighborhood! You may reach Mark at Mark.M.Williams@bridge.bitls.com.

Rodney Johnson is now Mobile Section Chair. Since their September social meeting, average section meeting attendance has been 30+ for technical meetings featuring talks on pulsed power, Complex Programmable Logic Device (CPLD) architectures, advantages of In System Reprogrammability (ISR), and VHDLS as a design entry method for hardware designs. The January 21 topic is the Universal Serial Bus (USB) Interface, to be presented by Paul Peterson. USB has far reaching implications for plug-and-play extension, and Mr. Peterson will discuss Intel's USB microcontrollers for designing USB-compliant peripherals such as joysticks, digital cameras, and printers. This Newsletter hopefully will reach Mobile prior to
the January meeting, and additional details are available from Rodney by e-mail at rodney@rd.qms.com.

The Alabama Section GOLD committee, headed by Kim Garing, begins its first formal membership drive on January 10. Graduates of the Last Decade in the area have been invited to attend a reception in Birmingham, where they will have the opportunity to see and hear some of the benefits of becoming IEEE members. Also, the Alabama Section will support the Engineering Council of Birmingham in several activities associated with observance of Engineering Week, including (1) provision of volunteers for MathCounts competitions, (2) project demonstrations for high school students, and (3) support of the ECdOB Engineering Awards banquet.

A whole report could be devoted to an important pilot program for improving high school math and science education, which has been initiated with assistance of the Alabama Section and support from a demonstration project grant by the IEEE United States Activities Board (USAB). Dr. Mark Conner, whose degrees are all in engineering, has been hired as a full-time physical science teacher at Homewood High School and will direct the project. Mark’s hiring, with the approval of the State of Alabama School Superintendent Dr. Ed Richardson, is itself part of a historic demonstration of the viability of introducing engineers into the secondary education environment. Dr. Conner will develop a set of experiments, or laboratory exercises, that will teach high school students fundamental principles from the field of electrical engineering. Dr. Conner will report to USAB on (1) details of the laboratory initiatives developed by the Alabama Section, (2) deployment experiences, and (3) recommendations that will assist other IEEE sections that desire to initiate a similar program. We will follow this project in future Area 6 reports. Meanwhile, interested readers may obtain more information from Don Parker, Alabama Section Chair, at DONALD.M.PARKER@apc.com, or Dr. David Conner at UAB at daconner@eng.uab.edu. The Alabama Section gratefully acknowledges the kind consideration and assistance of Joel Snyder, this year’s IEEE Vice President for Professional Activities, concerning their demonstration project grant proposal.

**Area 8**

**Kentucky**

*Don Hill*

The Lexington and Louisville Sections had a successful joint section meeting this fall. Members from each section enjoyed a fruitful exchange of ideas about section operations and plans.

The Paducah Sub-Section continues to struggle. Attempts are continuing to establish a viable e-mail contact in Paducah. We are also attempting to get acurrent list of all members in the Paducah Sub-Section.

Each Area 8 section has been invited to SEC 97 in Virginia.

All sections are making plans for the NEW 97 program in Feb.

**Area 9**

**Jamaica**

*Dennis Hartley*

JamCon ’97 will be held at the Jamaica Pegasus Hotel, New Kingston, Jamaica, on August 15 - 17, 1997. Call for Papers was sent out early December and it is expected to be published in the January issue of the SCOOP. Presenters are expected to be from the leading-edge technology capitals of the world.

Dowzing has now become a critical factor in the life of the Jamaican employee. Every effort is being made to educate our membership, regarding its devastating effect and how to prepare for it. We intend to have a presentation at a monthly meeting, as well as a column in our newsletter, which will be communicated by E-mail and fax.

Concern is being expressed about the lack of student activities at the University of the West Indies and the Student Chapter at the University of Technology. There have been some efforts in the past to get activities streamlined, but these have not increased membership. So, more dynamic methods are in the pipeline.

The Section intends to have a presentation every month at our meetings and to invite student members, however, we are now being charged for the use of the meeting location. Consequently, a decision is to be taken regarding the number of meetings each year.

All efforts will be made to retain and increase our membership.

**AWARDS**

*Charles Hickman*

Thanks to everyone who submitted nominations for the various Region 3 awards; Outstanding Engineer, Outstanding Service, Joseph M. Biedenbach Outstanding Engineering Educator and Professional Service. The nomination packages have been sent to Awards and Recognition Committee(ARC) members for evaluation to choose the winner in each category. Each candidate has served the Region well and is a “winner” by virtue of being nominated by his/her peers. The recipients of each award will be recognized at SoutheastCon ’97 in Blacksburg, Virginia. We need more Sections to submit an application to be named as an Exemplary Section. We know that many Sections are serving their members in an outstanding manner.

Following approval at the Atlanta EXCOM meeting to proceed with developing complete specifications for a Region 3 Outstanding Student Branch Award, ARC members prepared appropriate documentation for submittal to IEEE Headquarters. Implementation is scheduled for SoutheastCon ’97 in conjunction with the Exemplary Student Branch Award. Also, at the Atlanta EXCOM meeting, three students from the University of Alabama at Birmingham(UAB), Allen Baxter, Anthony Grieco and David Kujawski, were the first recipients of the Student Professional Activities Service Award. This award recognizes specific achievements and efforts in advancing the professional aims of IEEE in Region 3. The UAB students were recognized for their outstanding support of the ETI database.

The ARC continues to count on you to assist us in identifying and rewarding
deserving Region 3 IEEE members. If you have any questions on our awards and recognition program, please contact me.

**CONFERENCES**

**David Green**

The next conference committee meeting will be in Columbia, SC as part of the February Region 3 EXCOM meeting. At this meeting we will be discussing our efforts this year including SoutheastCon '96 and the upcoming SoutheastCon '97 conference. Sections interested in bidding on SoutheastCon 2000 and beyond should be contacting the Conference committee regarding the schedule for bid processing as well as assistance if needed.

If anyone has any comments about the compressed conference format used in SoutheastCon '96 and '97 where most events are packed into a single weekend, please let the Conference Committee know so that it can properly plan future conferences taking this input into account. This input can be sent to the me at d.green@ieee.org.

**SoutheastCon '97**

SoutheastCon '97 will be held on the Virginia Tech campus at the Donaldson Brown Hotel and Conference Center and nearby buildings on April 12 through 14. The host for this conference are the Virginia Mountain Section and the Virginia Tech Student Branch. This conference will also follow the model of placing all three components (Region 3 meetings, technical conference and student conference) in parallel to occur mostly on a single weekend. It will feature technical sessions, tutorials, plenaries as well as an exciting student program. You can get more information about the conference visiting the conference web site at http://www.vt.edu:10021/org/ieee/secon97/.

**SoutheastCon '98**

Conference Chair Parveen Wahid reports that efforts proceed on SoutheastCon '98. A contract with the conference hotel has been signed and the conference committee has been named. Parveen's conference committee members attended SoutheastCon '96 in Tampa to observe activities and learn as much as possible from the 1996 efforts.

**SoutheastCon '99**

Conference Chair Don Hill reports that contract negotiations are underway with the Hyatt Regency Hotel in downtown Lexington for SoutheastCon '99. He expects that a contract will be signed by the February meeting. The present SoutheastCon schedule is shown below.

The conference committee is interested in working with sections to develop bids for future SoutheastCons. Interested section leaders should contact David Green, R3 Conference Chair.

**Southcon**

Region 3 has a major electro-technology show with technical sessions and product exhibitions which it sponsors with the Florida Council and Electronic Representatives Association. Southcon/97 is scheduled to be in Raleigh, NC. This will be the first visit to this area for Southcon.

**Other Items**

We continue to seek corresponding members for the conference committee in all areas and councils. The NC Council and Florida Council will be represented by the NCSE '96 Chair and the Florida Council's senior representative respectfully. If you have an interest in serving, please contact the Region 3 Conference Committee Chair and/or your Area/Council Chair. Contact information for these people are elsewhere in the newsletter.

If your section has a conference please send information on this conference to the Region 3 Conference Committee chair. We would like to create a list of all the conferences that are planned in our region to enhance communication with, and service to, region members.

Finally, there are a couple of institute level opportunities with regards to conferences that are available. First, the Financial Department has prepared a collection of forms (both paper and electronic) and associated guidelines for use in managing conference finances. Electronic versions are available for use with Lotus 123 and Quicken. Second, the IEEE program called Book Broker desires to buy proceedings from IEEE-sponsored conferences. The program commits to purchasing conference proceedings prior to the conference. SoutheastCon and Southcon proceedings are both available through the Book Broker program but there are many Section conferences that are not yet participating.

---

**EDUCATIONAL ACTIVITIES**

**Dan Jackson**

Almost all IEEE activities are edu-

---

**SoutheastCon Schedule**

<table>
<thead>
<tr>
<th>Conference</th>
<th>Date</th>
<th>Host Section/Branch</th>
<th>Conf. Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoutheastCon '97</td>
<td>4/11-14</td>
<td>Virginia Mtn/VA Tech</td>
<td>Russell Churchill</td>
</tr>
<tr>
<td>SoutheastCon '98</td>
<td>3/28-4/01</td>
<td>Orlando Section</td>
<td>Parveen Wahid</td>
</tr>
<tr>
<td>SoutheastCon '99</td>
<td>3/25-3/29</td>
<td>Lexinton/Univ. of KY</td>
<td>Donald Hill</td>
</tr>
<tr>
<td>SoutheastCon '2000</td>
<td>&lt;to be decided at R3 meeting in Blacksburg, April 1997&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SoutheastCon E-mail Contacts**

<table>
<thead>
<tr>
<th>Conference</th>
<th>General Chair</th>
<th>Student Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southeastcon '97</td>
<td><a href="mailto:arcova@bev.net">arcova@bev.net</a>(*)</td>
<td><a href="mailto:vlearn@vt.edu">vlearn@vt.edu</a></td>
</tr>
<tr>
<td>Southeastcon '98</td>
<td><a href="mailto:pfw@engr.ucf.edu">pfw@engr.ucf.edu</a></td>
<td><a href="mailto:rfd@engr.ucf.edu">rfd@engr.ucf.edu</a></td>
</tr>
<tr>
<td>Southeastcon '99</td>
<td><a href="mailto:dhill@ukans.uky.edu">dhill@ukans.uky.edu</a></td>
<td><a href="mailto:sb.uky@ieee.org">sb.uky@ieee.org</a></td>
</tr>
</tbody>
</table>

(*) Be sure to mention that the e-mail is for Russell Churchill.
cational in nature but the Region 3 Educational Activities Committee will concentrate on specific activities to foster continuing education, professional development, and training opportunities for IEEE members in Region 3. In this regard, I call your attention to recent publications available from the IEEE Educational Activities Department.

1. IEEE Section Education Chairs Guide to Planning Successful Education Programs. This guide provides guidelines for organizing educational activities at the Section level and an overview of resources for planning educational and career development programs.

2. Special Programs for Sections. This brochure describes several new programs established by IEEE Educational Activities.

   a. Educational Publication Consignment Program wherein a Section can offer IEEE educational publications WITH NO INITIAL INVESTMENT - NO RISK.

   b. Career Asset Manager (CAM) - A mini-workshop.

   c. "CAM on Consignment" - NO UP-FRONT RISK.

   d. Educational Video Seminar Program - a pilot program.

3. IEEE Educational Activities Product Catalog 1997 listing videos, self study (or group study) courses, selected readings, and audio tapes on technical and career development topics.

In addition I will be getting the Region 3 tape library in the next few weeks. At that time I will publish a new listing of all the available Region 3 video and audio tapes. If you wish additional information on any of the listed publications contact me, address in the Region 3 Directory in this newsletter, or Barbara Coburn, b.coburn@ieee.org, 908-562-5498.

MEMBERSHIP DEVELOPMENT

Jim Howard

MD Retreat

Your Membership Development (MD) Committee has many plans for the 1997 year. First we will be attending the MD retreat January 17-19, 1997 in NY. All Region MD Chairs, along with all Society MD Chairs have been invited to attend this retreat. We will be hearing about the latest figures on membership, get updates on overall IEEE membership development plans, learn more about the SAMIEEE program and its uses for membership development. We hope to also hear about funding for Region/Society MD projects. Watch for the next edition of the newsletter for details of the retreat and information on special MD projects within Region 3.

MD Items

Your Region MD committee still continues to have MD items to help with your recruiting. These items are being recognized around the Institute and we have supplied Region 2, members in Region 1, and others throughout the Institute with these special MD items. These items are used for give-aways with new memberships, door prizes at meetings, speaker gifts, student MD drives, etc. Refer to the complete list of items and prices elsewhere in this newsletter.

PROFESSIONAL ACTIVITIES

Dick Riddle

Tools and Services For Job Longevity

With the improvement in the job market for electronic engineers and computer professionals and with the success of the many employment assistance services within Region 3 such as the BBS, ETI database, and ACN, and the success of the IEEE-USA Job Listing Service and other services offered by the USA-Employment Assistance Committee (EAC), perhaps we should devote some effort to trying to help our members keep their jobs for longer periods than the forecaster three to five years. The EAC and the Career Maintenance & Development Committee (CMDC) will work together in 1997 to develop tools and services that will help our members extend their employability. Issues such as why some professionals are retained and others are released and what can the IEEE do to help our members increase their value to an employer will be researched for possible tools and services development. We would appreciate any input you may have on this subject.

1997 Plans for PACE

by Lee Stogner, PACE Chair

1997 is shaping up to be a good year for PACE activities in Region 3. We will have a number of section, region and national events all happening within the Southeast. For starters, many sections are planning special projects during National Engineers Week. This will be a time to honor our profession and the engineers that have made both science and engineering a rewarding career. We can also use the occasion to visit schools to tell students about life as an engineer. If you can, try to involve the students in a learning experience that will remain with them and perhaps start their own engineering career.

In April, Region 3 will host SoutheastCon 1997. This will be a conference for students and working engineers. It will also be a time for PACE Representatives from all over the region to meet and share ideas about the important job that they have within their sections. If there is a particular topic that you would want to learn about during the PACE training, please contact Lee Stogner at l.stogner@ieee.org. During Labor Day weekend, the National PACE Workshop will be held in St Petersburg, Florida. At this workshop, national PACE leaders and PACE Representatives from all over the country will gather to discuss important issues for individual engineers and the profession as a whole. If you want to attend as a PACE Representative, now is the time to coordinate with your local section for the privilege and the funding. Attending the PACE Workshop is an honor and we expect every PACE Representative to carry their new knowledge back to their sections and share with the local membership.

1997 is also a time to develop and deliver projects that can impact sections and the region. Past projects included
Southcon, the largest and most prestigious electronics show and convention in the Southeastern United States, will host its 17th year on March 25-27, 1997 at the Raleigh Convention Center. The focus is on Computers and Communications and all indications are we will have one of the best Southcon’s ever.

Southcon, the largest and most prestigious OEM electronics show and convention in the Southeast U.S., will be held for the first time in the heart of Research Triangle.

Whether you’re looking for new products, new ideas, or new sources of supply, Southcon/97 provides you with practical information you can use on the job today and offers insights into technical and business trends that will impact the industry in the near future. As an industry professional, you’ll benefit from Southcon’s unprecedented selection of the latest electronics innovations, technical knowledge, and industry services.

What you will see at Southcon/97:

Applications Engineering Workshops - a timely series of “how-to” workshops will be presented by industry applications engineers.

Workshops will offer engineers training in a variety of today’s important design tools and device technology applications. Each workshop will focus on tools, techniques and innovations that relate to the manufacture of today’s electronic systems.

Short Courses focusing on critical issues involving the application of electronics technology.

Topics include:
- Understanding and Using SMT
- Trouble Shooting the SMT Process
- Basic Electronics Part I and Part II
- MPEG Standards
- Do It Right The First Time and Develop Your Products In Half The Time
## Workshops and Short Courses

| Workshops and Short Courses | SC1 | SC2 | SC3 | SC4 | SC5 | SC6 | SC7 | SC8 | SC9 | SC10 | SC11 | SC12 | SC13 | SC14 | WS1 | WS2 | WS3 |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| **TUESDAY**                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Full Day $150 ($200 after 3/14/97) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

Program subject to change. For final dates, times and place, call (800) 877-2668 or (310) 215-3976. Visit Southcon's website at [http://www.southcon.com](http://www.southcon.com) for complete details and registration form.

Revised 1/15/97
Southcon '97 to Offer Over 350 State-of-the-Art Exhibits

Some of the many exhibitors who have already reserved booths include:

Aavid Thermal Technologies, Inc.
Advanced Components Industries, Inc.
Advanced Interconnections
Advanced Power Technology
Advanced Quick Circuits
Aeromotive*
AGA Chemicals, Inc.
Airtechnics, Inc.
A.J. Knott Tool & Mfg. Corporation
All-State, Inc.
American Elect. Cable Co.
American Precision Inc. Delehan Div.
Arthur, Harris & Associates, Inc.
Atlanta Hardware Specialty Co., Inc.
Avalon Enterprises
B&K Precision*
Berg Electronics, Inc.
Bivar**
Brel International Products
Buckeye Stamping Company
Bud Industries, Inc.
Bulova Technologies
Bumper Specialties**
Busmann Circuit Components
Busmann Division/Cooper Industries
C&K Components Inc.
Cabtron Systems, Inc.*
Cal-Chip Electronics, Inc.
Cal Crystal Lab. Inc.
California Switch & Signal, Inc.
Capital Electronics, Inc.
CCI
Cartwright & Bean
Central Semiconductor, Corp.
Century Fasteners Corp.
Cincinnati Sub-Zero Products, Inc.
CommCon Connectors, Inc.
Compulink Cable Assemblies
Conect Corporation
Control Design Supply
Corpoform Corporation*
Cosel U.S.A. Inc.
CPF Atlantic Inc.
Crane Connectors*
Crydom Corporation*
CTS Corporation
Decimal Engineering, Inc.
Details, Inc.
Dexter Magnetic Materials Div.
Dolch Computer Systems
Dyna-Graphics Corporation
EAO Switch Corporation*
E-A-R Specialty Composites
Electro Assemblies Corporation
sem/Papst Industries
Ediplek Corporation
ECN Magazine/Chilton Co.
EDAC Inc.
EDN Products Edition
Elmec Manufacturing
Equipto Electronics Corporation*
ET-A Circuit Breakers
Everbouquet Internation Co., Inc.
Evergreen Batteries*
EvoXhita*
Fab Source
Fair-Rite Products Corp.
Far East Enterprises/
Singapore Resources, Inc.
Fastbolt
Filter Concepts, Inc.
Gerome Manufacturing Co.
GM Nameplate
Goguen Industries, Inc.
Gowanda Electronics Corp.
Guardian Electric Manufacturing Co.
GWS, Inc.
H. A. Guden**
Hallmark Technologies, Inc.
Hammond Electronics, Inc.
Hartwell**
Harwin, Inc.
Hisco Inc.
Hoffman Engineering Company
Hyundai*
Illinois Lock Company
Inductor Supply, Inc.
Information Handling Services
Interconnect Systems, Inc.
Intermark (USA), Inc.
International Electric Res. Corp. (IERC)
International Power Devices
International Rectifier
ITT Pomona*
JAN Crystals
Jet/Western Abrasives**
Johnson Components, Inc.
JSC U.S., Inc.*
Kingstone Electronics Corporation
Krurr USA Inc.
KOA-Speelectronics Inc.
Hycon Inc.
Lamons Sales/P-Tec
LMR Plastics*
Low Keyp Corporation
Magnetics, Div. of Spang
Mallory Controls
Manhattan/CDT
Marcuarts Switches*
Max Visions, Inc.
Mega Electronics*
Melter*
Meritek Electronics Corporation
Micro Care Corp
Microwave Components, Inc.
Minco Products, Inc.
Mouser Electronics
Multi-Contact USA
National Wire & Cable
Newark Electronics
New England Electric Wire Corp.
NMB Technology Inc.
Nortake Co., Inc.
North American Capacitor Co.
NRT Contract Manufacturing
Omnite*
Omrone Electronics Inc.
Otto Controls*
P-Tec
Pace, Incorporated
Panduit
Panel Components Corp.
PAT Associates
Pelican Products*
Perrn Engineering**
Phoenix Contact
Pinnacle Marketing, Inc.
Pneumall Corp.
Philip Products
POP Fasteners**
Potrans International, Inc.
Power-Sonic Corp.
Power-Ten*
Praegitzer Industries
Precision Custom Products, Inc.
Pro Fasteners & Components
Projects Unlimited
Prototype Express/Pythenic
ProTronics, Inc.
QA Technology*
RAF Electronic Hardware
Railtron*
RA Sales
R. C. Dudek & Company, Inc.
The Resource Center for
Organizational Effectiveness
Resource Electronics
RIA Electronic, Inc.
Richo**
Robert G. Allen Company, Inc.
Rod-L Electronics, Inc.*
RSA Power
Sager Electronics
Samtec, Inc.
Sanex Corporation, UPS Division
Sanyo Denki America, Inc.
Saronix
Seastrom Manufacturing Co., Inc.
SEC/Potter & Brumfield
SEI Electronics, Inc.
Shindengen America, Inc.
Sicon International*
Sigma Electronics
Singapore Resources, Inc.
SK America*
Sola/Heavy-Duty Electric
Southeastern Metal Products, Inc.
Spectro Electronics Corporation
Standard Inserts**
Statek Corporation
Steinmack Power Specialists &
Components/Caltron Systems, Inc.
Surmount Inc.
Taitron Components Inc.
Tamura Corporation
Tapecon, Inc.
Taracont Imaco, Inc.
Taij Yuden*
TDI Batteries
TDK Corporation of America
Tech-Elch, Inc.
Techdyne, Inc.
Technical Materials, Inc. (TMI)
Technical Sales & Applications, Inc.
TEC-REP Marketing, Inc.
Tellcon Corporation
Thermaloy, Inc.
Thomson Passive Components*
Tocos America
Topflight Corporation
Toroid Corporation of Maryland
Tompete Electronics*
Tritium Industries, Inc.
Tropic Fasteners, Inc.
TTI, Inc.
Ulveco, Inc.
Unitech*
United States Crystal Corp.
Unitrack Industries, Inc.
U. S. Tech
Vahalla Scientific*
Ventricons
Vishay
Wago Corporation
Warren G-V
Wayne-Kerr Electronics
Weco Electric Connectors
Wesmaw Hollingsworth Corporation
Westak
Weidmuller, Inc.
Wes-Garde Components Group
Wingpoint America*
WPO Termillex, Inc.
Wyle Electronic Enclosures*
Yokogawa Corporation of America
The Zipperthing Co.
Zucker Associates
1. General Information

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Company</th>
<th>Division</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mailing Address</th>
<th>Dept. or M/S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>State</th>
<th>Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Country</th>
<th>e-Mail</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- □ BG Purchasing and Procurement
- □ BH Marketing including Sales
- □ BI Advertising, Media or Public Relations
- □ BJ Other __________

2. Principal Job Responsibility (check only one)
- □ AA Engineering Management
- □ AB Management other than Engineering
- □ AC Engineering
- □ AD Buyer, Purchasing Agent
- □ AE Other ______________________

3. Principal Job Function (check only one)
- □ BA General & Corporate Management
- □ BB Design & Dvlps. Engineering (circuits, components, equipment, systems)
- □ BC Engineering Services (evaluation, quality control, reliability, standards, test)
- □ BD Baseline Research
- □ BE Manufacturing & Production
- □ BF Engineering Assistants (craftsmen, lab assistant, technician)
- □ BG Purchasing and Procurement
- □ BH Marketing including Sales
- □ BI Advertising, Media or Public Relations
- □ BJ Other __________

4. What type of design are you involved in? (check all that apply)
- □ CA Analog Design
- □ CB Digital Design
- □ CC Software Design
- □ CD Test and Evaluation
- □ CE Systems Design
- □ CF Circuit Design
- □ CG Component Design
- □ CH Microprocessors for Embedded Systems
- □ CI Other Design __________

5. What is the primary end product (or services) at this location? (check only one)
- □ DA Computers, Systems, Peripherals
- □ DB Communication Systems
- □ DG Controls, Test, Medical Equipment
- □ DD Avionics, Government & Military Electronics
- □ DE Automotive, Consumer Electronics & Appliances
- □ DF ICs and Semiconductors
- □ DG Components (other than ICs)
- □ DH Other __________

6. Which of the following products and/or services do you specify, recommend, approve, purchase or influence the purchase of? (check all that apply)
- □ EA Standard ICs
- □ EB ASICs, PLDs, FPGAs
- □ EC Design Automation, Engineering Software
- □ ED Test Equipment & Development Tools
- □ EE System Boards
- □ EF Computers/Software
- □ EG Computer Peripherals
- □ EH Components (other than ICs)
- □ EI Interconnection, Production/Packaging Equipment & Supplies

Four Ways to Register:

MAIL this completed form by March 7 to:
Southcon Registration
6110 Airport Blvd.,
Los Angeles, CA 90045-3194.

Do Not Both Fax and Mail.
YOUR BADGE WILL BE MAILED 3 WEEKS PRIOR TO THE SHOW.

FAX after March 7, but before March 17, to (310) 641-5117.

Do Not Both Mail and Fax.
BADGES WILL BE HELD FOR PICK-UP AT THE ADVANCE REGISTRATION COUNTER.

ELECTRONICALLY http://www.southcon.com
AFTER MARCH 7, BADGES WILL BE HELD FOR PICK-UP AT THE ADVANCE REGISTRATION COUNTER.

ON-SITE after March 17, bring this form with you to Southcon/97 for FREE Admission.
Save $10.

Bring Your Colleagues. This Form may be Duplicated www.southcon.com
ANNOUNCEMENT & REGISTRATION FORM

IEEE Southeastcon '97
"Engineering the New Century"

Virginia Polytechnic Institute and State University
Blacksburg, Virginia
April 12-14, 1997

ABOUT THE CONFERENCE
SOUTHEASTCON '97 will bring together science and engineering professionals and students from the southeastern United States and from around the world. This conference provides the ideal forum for meeting a broad range of technical specialists and for discovering new ideas and innovations for the purpose of enhancing the partnership between education, science and technology.

You can get the latest information about SOUTHEASTCON '97 and the Blacksburg region by visiting our World Wide Web page:

ABOUT THE CONFERENCE LOCATION
Located in the scenic Blue Ridge mountains of Virginia, Blacksburg is accessible from I-81 and US 460. The Donaldson Brown Hotel and Conference Center is a short 40-minute drive from the Roanoke, Virginia, airport. Blacksburg provides a unique backdrop for SOUTHEASTCON '97. The tri-cities area, comprising Blacksburg, Christiansburg and Radford, offers a wide variety of cultural sites and events, including the Smithfield Plantation Home on the Virginia Tech campus and the 17th International Bartok-Kabalevsky Piano Competition with world-famous pianist Gyorgy Sandor (April 11-13) on the Radford University campus in Radford, Virginia. Blacksburg will also be hosting several art exhibitions, concerts, and recitals during these dates, including a solo viola recital by Doris Lederer of the Audobon Quartet (April 12, at Virginia Tech's Squires recital salon). Best of all, living is very inexpensive in Southwest Virginia. Hotels, restaurants and even the registration fees are considerably lower than those of recent conferences!

GENERAL INFORMATION
SOUTHEASTCON is the annual IEEE Region 3 Technical Conference. The Conference brings together Electrical and Computer Engineering professionals with students for the purpose of sharing information through personal contacts and through the presentation of professional and student technical papers. SOUTHEASTCON is the most influential outlet for promoting awareness of technical contributions made by our profession to the advancement of engineering science and society.
FEATURES INCLUDE THE FOLLOWING: APROXIMATELY 100 TECHNICAL PAPERS PRESENTED BY AUTHORS FROM AROUND THE WORLD • EIGHT TUTORIALS • NATIONAL AND LOCAL EXHIBITORS, INCLUDING TEST EQUIPMENT PROVIDERS, SOFTWARE PROVIDERS, AND TEXTBOOK PUBLISHERS • DEMONSTRATIONS IN THE EXHIBIT HALL • STUDENT HARDWARE, SOFTWARE, PAPER AND WEB PAGE COMPETITIONS • HALF-DAY SYMPOSIA ON WIRELESS COMMUNICATIONS, FIBER OPTICS AND POWER ELECTRONICS • IEEE REGION 3 COMMITTEE MEETINGS • SOCIAL ACTIVITIES FOR PARTICIPANTS AND SPOUSES

SUMMARY OF TECHNICAL PROGRAM
Tutorials and technical sessions will take place all day Saturday and Sunday, April 12-13, and will continue until 1:00 PM on Monday, April 14. Please refer to the Southeastcon ’97 web page for schedule information.

TUTORIALS:
• EMC Systems Design by Ronald Brewer of Instrument Specialities Co., Inc.
• PCB EMC Design Practices by Ronald Brewer of Instrument Specialities Co., Inc.
• How to Apply Interconnect Cables Without Creating Electromagnetic Interference Problems by Thomas Jerse of The Citadel
• ATM Networking and Switching: Principles, Operations, Architectures, and Switching by Mohsen Guizani of KFUPM, Saudi Arabia
• Desktop Videoconferencing: Technology and Applications by Scott Midkiff of Virginia Tech
• Personal Positioning for Professionals by Paul Kostek of TekSci
• Optical Fiber Communication Technology and System Overview by Ira Jacobs of Virginia Tech
• Time Domain Measurement Techniques and RF and Microwave Applications by Sedki Riad of Virginia Tech

SESSION TOPICS:
Image Processing
Digital Design
Communications
Computer Networks
Controls
Education

HALF-DAY SYMPOSIA:
Wireless Communications
Fiber Optics
Power Electronics

LABORATORY TOURS:
Tours will be conducted by research groups at Virginia Tech

Neural Networks and Intelligent Systems
Digital Signal Processing and Speech
Photonics and Guided-Wave Optics
Electromagnetic Fields and Applications
Electronic Circuits and Devices
Electronic Materials and Microelectronics
Power Distribution and Energy
STUDENT ACTIVITIES

This year’s student conference will consist of several rewarding and exciting events, including the traditional hardware and short-term competitions, student paper presentations, student social activities, and the first ever student website competition.

The **hardware competition** is appropriately named ‘Hokie Hunt’ (after the Virginia Tech mascot). This competition will test student designs in a rugged search and retrieve mission. Vehicles will be pitted in head-to-head competition requiring both game strategy and good design practice.

The **short-term (software) competition** will require rapid programming of software to control a device through a parallel port. Students will bring their own controlling device, allowing maximum flexibility of programming platforms and languages.

The **student website competition** allows students who are not able to travel to the conference, to participate and develop Internet resources within individual student branches.

Students, don’t forget that Southeastcon ’97 offers you a reduced registration fee. A current school ID and IEEE student membership are required. To find out more about conference registration, contact your student branch chair or advisor. Remember, more information about any of the competitions or registration may be found at the Southeastcon ’97 web page.

IT’S A BARGAIN

See the attached registration form for a complete description of registration categories and fees. Note that the fee for tutorials is only about ¼ of that charged for similar tutorial sessions at other professional meetings—a real bargain! For additional information refer to the Southeastcon ’97 web page (http://www.vt.edu:10021/org/ieee/secon97) or contact one of the following:

**Conference General Chair:**

Dr. Russell J. Churchill  
American Research Corporation of Virginia  
Phone 540-731-0655  
Fax 540-731-0836  
e-mail: arcova@swva.net

**Conference Vice Chair:**

Dr. Ira Jacobs  
Virginia Tech  
Phone 540-231-5620  
Fax 540-231-3362  
e-mail: ijacobs@vt.edu

TRAVEL ARRANGEMENTS

Upon arrival at the Roanoke Regional Airport, claim your baggage at the airport’s lower level. Rental car check-out is located beside the baggage claim area. In addition, Blacksburg Limousine Service (540-951-3973) provides transportation to Blacksburg from the airport—the information desk is located near the baggage claim area. If you are driving from the airport, take the exit to I-581 North (Bristol), get in the left-hand lane and exit left onto I-81 South (Bristol). Follow I-81 to the Christiansburg/Virginia Tech exit and get onto US-460. Stay on US-460 to Blacksburg.

ACCOMMODATIONS

A block of rooms has been reserved at the Donaldson Brown Center for Continuing Education, located on the Virginia Tech campus in Blacksburg (phone 540-231-5156). The room rate is $66 (single) or $74 (double), plus tax, per night. Additional accommodations are available at hotels in the surrounding area; please refer to the Southeastcon Web page for further information.
REGISTRATION FORM

Last Name          First Name          Middle Initial          SSN
Telephone Number        FAX Number        E-Mail Address
Company/Organization/University        FID# (needed for company refunds)
Mailing Address
City          Province/State          Country          Zip/Postal Code

IEEE Membership Number/Grade          Guest/Spouse (if attending)

- Session Chair          - Speaker          - Region 3 ExCom          - Student          - Participant

Admission to all conference social functions will be through Name Tag identification. Name Tags must be worn for all conference sessions, exhibits, and social functions, as well as all student technical and social functions.

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee per Seminar/Tutorial</th>
<th>By 3/21/97</th>
<th>After 3/21/97</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student</td>
<td>$20</td>
<td>$30</td>
<td>$225</td>
</tr>
<tr>
<td>Member</td>
<td>$50</td>
<td>$75</td>
<td>$20</td>
</tr>
<tr>
<td>Non-Member</td>
<td>$100</td>
<td>$125</td>
<td>$20</td>
</tr>
<tr>
<td>Region 3 EXCOM</td>
<td></td>
<td>$20</td>
<td>$25</td>
</tr>
</tbody>
</table>

SEMINARS AND TUTORIALS: Includes course materials and refreshments. DOES NOT include conference registration or social functions.

- EMC Systems Design          - Personal Positioning for Professionals
- PCB EMC Design Practices          - Desktop Video Conferencing: Technology and Applications
- How To Apply Interconnect Cables without Creating EMI Problems
- ATM Networking and Switching: Principles, Operations, Architectures, Switching
- Time-Domain Measurement Techniques and RF and Microwave Applications
- Optical Fiber Communication Technology and System Overview

TOURS: Please check if interested in spouse tours.

ADDITIONAL TICKETS
- Reception on Friday, April 11, 1997
  QTY __ @ $20
  QTY __ @ $25
- Banquet on Saturday, April 12, 1997
  QTY __ @ $20
  QTY __ @ $25
- Awards Luncheon on Sunday, April 13, 1997
  QTY __ @ $30
  QTY __ @ $35

TOTAL REMITTANCE (US Dollars Only) $ ___

Make Checks/Bank Drafts (US Dollars Only) and draw on a US bank payable to Treasurer, VA Tech-CE, or enter Credit Card Information

☐ Check No. (US Bank) _______ ☐ Cash (On-Site only) ☐ Visa ☐ Master Card
Credit Card Account No. ___________________ Expiration Date ____________

Signature: ____________________________

IMPORTANT: No refund after March 21, 1997. Cancellation requests shall be in writing and are subject to a $25 cancellation fee. There is a $25 fee for returned checks.
REGION 3 EXPANDS ETI DATABASE

In an effort to enhance employment services to Region 3 members who may have to seek employment outside of Region 3, the ET Database has now been expanded. The database was previously limited to electro-technology companies within the geographic boundaries of Region 3 (Southeast USA). The University of Alabama at Birmingham (UAB) Student Branch has taken the lead in updating the database. It now includes over 35,000 companies in 50 states. The database updating and expansion activity is part of the Region 3 Special Project, ET Database Phase 5. 1997 funding was approved as part of the proposed 1997 Budget by the Region 3 EXCOM at their November meeting in Atlanta.

ELECTRO-TECHNOLOGY INDUSTRY (ETI) DATABASE

Want to know who hires IEEE members? Region 3 maintains a national database of electro-technology companies, and it's available to IEEE members. All you need to do is send an internet e-mail message to empaccess.ri3@eng.uab.edu. Use the exact wording below. An auto-response file will be sent to you by return e-mail with instructions on how to access the ETI Database.

REQUIRED FORMAT* for "access" e-mail message:

NAMELINE: [IEEE Member Number] [Last Name, First Name M.I.]  
ADDRESS1: [Address Line #1]  
ADDRESS2: [address Line #2]  
ADDRESS3: [Address Line #3]  
SECTNAME: [Section Name]  
STBRANCH: [Student Branch Name]  
HOMENMBR: [Home Phone Number]  
WORKNMBR: [Work Phone Number]  
EMPLOYER: [Employer]  
EMAILADR: [E-Mail Address]

*Note: Do not type brackets!

For Membership information contact j.howard@ieee.org.
For Employment Assistance Information contact r.riddle@ieee.org.

NEW SERVICE AVAILABLE - THE AUTOMATED CONSULTANT'S NETWORK

The Automated Consultants’ Network (ACN) is scheduled to start its “Pilot” Program February 1, 1997. A 4-6 month Region 3 pilot program, (part of 1997 Phase 3) will be used to make system improvements, incorporate enhancements and generate publicity. The Region 3 ACN system is a free service to clients, employers and IEEE members during Phase 3, and the system is accessible by a direct dial phone number (770) 446-9721. IEEE consultants interested in being in the Region 3 ACN Directory can register either by downloading the consultants’ template, completing the template off-line, and uploading the template to the ACN system, or registering online.

The DeVry Student Branch is the system Administrator for the ACN and the points-of-contact are Mr. John Blake, Branch Chair at (770) 978-3461 or e-mail: tazmax@mindspring.com, and the Region 3 Special Project Coordinator, Vernon Powers at (770) 449-6161 or e-mail: v.powers@ieee.org

Student Branch Volunteers Needed - Special Project Support

If your Region 3 Student Branch is interested in supporting a Region member services Special Project, contact the Region 3 Regional Student Representative, David Lee at d.c.lee@ieee.org, Region 3 Special Projects Coordinator Vernon Powers at v.powers@ieee.org or PAOC Chair, Dick Riddle at r.riddle@ieee.org
high school career days, employment workshops and the Electrotechnology Industry Database. If you want to start a PACE Special Project, consult your PACE Leaders Handbook and generate interest within your section. If you need help from Region 3, please let us know.

It takes an active organization to support the important needs of our membership. If your section doesn’t have a PACE Representative, find that special volunteer and let us know who they are. We’ll take care of the training materials and add a lot of inspiration. Subject: IEEE Region 3 Newsletter Article

**PUBLIC INFORMATION**

**Bob Duggan**

The P.I. Committee has also been in touch with IEEE HQ (Corporate Communications), and their support has been assured. Their 23-page “Publicity Guide for IEEE Sections, Chapters, and Branches” provides useful suggestions for publicizing IEEE activities and for dealing with the various media.

Region 3 officers desiring a copy should address their request to corporate_communications@ieee.org or to (908)-562-6820.

Most importantly, though, your P.I. Committee is willing to work with Region 3 Sections and Committees to enhance our external relations for our internal benefit.

**STRATEGIC PLANNING**

**Roy Harris**

The Strategic Planning Committee (SPC) will concentrate on two special areas this year which will involve all EXCOM members.

1. Region 3 Strategic Plan and Annual Goals & Objectives - The SPC is developing procedures and time-lines for setting and reporting on goals and objectives in each area of region activities. In order to provide periodic updates to our Region 3 Strategic Plan, the SPC will seek the Director-Elect’s personal goals and emphasis for Region 3 during his/her two-year term. These inputs will be sought in early fall prior to his/her taking office in January. This will permit us to present an updated Strategic Plan for consideration at the Fall EXCOM meeting in the odd years.

2. Strengthening our volunteer and committee structure for Region 3 operation - The SPC will develop and recommend a program for improving our committee operations. This will involve recommending better training programs for committee chairs and vice-chairs. We need strong vice-chairs for each committee so that we have continuity of leadership as well as a process for on-the-job training. We are in the process of developing a Committee Chair Training Manual to assist in this important endeavor.

**STUDENT ACTIVITIES**

**Pat Donohoe**

The deadline for nominations for the Larry K. Wilson Regional Student Activities Award is January 31, 1997. The purpose of this award is to recognize annually, in each Region of the IEEE, the student most responsible for an extraordinary accomplishment associated with IEEE student activities. If your Section knows of a deserving student in the Student Branch(s) in your area, please nominate that person. The nominations should be sent to me at the address given at the back of this newsletter.

Be sure and mark your calendars for SoutheastCon ’97 which will be held in Blacksburg, Virginia on April 12-14, 1997 (See the SECON ’97 webpage at [http://www.vt.edu:10021/organ/IEEE/secon97](http://www.vt.edu:10021/organ/IEEE/secon97)). The Virginia Tech Student Branch has been working hard in preparation for the student portion of this conference. Please encourage the Student Branches in your area to participate in the student paper competition, the hardware competition (“Hokie Hunt”), the software competition, and the webpage competition. Details concerning each of these competitions can be found on the SECON ’97 webpage. The “Hokie Hunt” consists of two robots from opposing teams going head-to-head on a playing board, trying to collect the most points as fast as possible. The robots gain points by collecting balls and returning them to their “nest.” The balls will be of three different basic types: steel (3 points), brass (8 points), and nylon (-2 points). The nests are square-shaped bins surrounded by boundary walls, located at opposing corners of the playing board. In order for the vehicles to guide themselves, a white polar coordinate system will be painted on the black board. Centered on the board will be a circular pit which vehicles should avoid. Balls will be located at predetermined intersections of certain polar coordinate lines. A map of these locations will be given out prior to the beginning of each round of competition so that the teams may program their robots accordingly.

Region 3 is currently soliciting papers from students for the 1997 IEEE Region 3 Professional Issues Student Paper Contest. Papers will be judged by a Regional committee. The six Regional winners from the six IEEE-USA Regions will be provided travel expenses to the 1997 PACE Conference and Workshop to be held in St. Petersburg, Florida (August 29 - September 1, 1997). The six Regional winners will present their papers at the conference and the most outstanding will be recognized with an award of $200. The runner-up will receive $100. All six papers will be eligible for publication in an appropriate IEEE publication, including the Proceedings of the PACE conference itself.

**COMMUNICATIONS**

**Brian Skelton**

The Communications Committee was established to facilitate the Region’s move toward more effective communications with members and a more cohesive operation at the Region level. The committee is composed of the Newsletter Editor, E-Mail Coordinator, BBS SysOp, Public Information Chair, and any other chair of a special Region 3 communications-related project, including the Re-
E-MAIL

Brian Swail

The new year brings many officer changes throughout Region 3 and provides me with the task of updating our email lists. You can help me out by sending me any email changes. If you are a new chair, please send me a note. I would like to get our lists corrected well before Southeastcon.

A goal for the coming year is to improve our electronic communication with the student branches. You can help me reach this goal by sending an email contact for the student branch(es) in your section.

World Wide Web

If you have a website for your section (or other Region 3 entity), please send me your URL and a link will be placed on the Region 3 website.

NOMINATIONS

David Conner

For 1997, the Region 3 Nominations Committee has been tasked with the responsibility of assisting Delegate/Director-Elect Dale Caston in developing a list of candidates to fill (a) the appointed positions on the Region 3 Executive Committee (EXCOM) for 1998 and (b) the numerous positions within the Region that support EXCOM activity. The Region 3 EXCOM, for example, is composed of 23 members, 15 of which are appointed by the Region 3 Delegate/Director: Secretary, Treasurer, Area 3 (Georgia) Chair, Area 6 (Alabama and Mississippi) Chair, Area 8 (Kentucky) Chair, Area 9 (Jamaica) Chair, Awards and Recognition Committee Chair, Communications Committee Chair, Conference Committee Chair, Education Activities Chair, Membership Development Chair, Professional Activities/Operations Chair, Strategic Planning Chair (must be a Past Region 3 Director), Student Activities Chair, and Regional Student Representative. Supporting positions include (1) Sub-Committee Chairs in the areas of Awards and Recognition, Communications, and Professional Activities and (2) Chairs for special activities such as Leadership Development, the Nominations Committee (must be a recent Past Region 3 Director), and special review committees.

The Nominations Committee needs your help! We need to hear your suggestions of individuals that you feel should be considered for service within Region 3. If you have a suggestion or if you have a personal interest in serving in a particular EXCOM or EXCOM-support position, please E-Mail me at d.conner@ieee.org concerning your suggestion or personal interest.

---

Your Region 3 Membership Development Committee Presents
Membership Development Tools for Sections and Student Branches

These items are being provided by the R3 MD Committee at or near cost to allow all Sections and Student Branches to take advantage of the bulk prices.

Use for Awards, Prizes, Give Aways, New Member Incentives, etc.

Complete the following and send to the R3 MD Chair at the address in the R3 Directory on Page 11.

NAME __________________________ Date __________________
Member # __________________ Section __________________
SHIP TO: __________________________

<table>
<thead>
<tr>
<th>ITEMS (All with IEEE Logos):</th>
<th>Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flyers (Frisbees)</td>
<td>$1.00</td>
</tr>
<tr>
<td>Can Coolers (Koozies)</td>
<td>$1.00</td>
</tr>
<tr>
<td>Pens (Black/Silver)</td>
<td>$10.00</td>
</tr>
<tr>
<td>Coasters (Wood)</td>
<td>$7.00</td>
</tr>
<tr>
<td>Post-It Note Dispenser (Wood)</td>
<td>$15.00</td>
</tr>
<tr>
<td>Key Chain Flashlight</td>
<td>$1.00</td>
</tr>
<tr>
<td>Mouse Pad</td>
<td>$2.00</td>
</tr>
<tr>
<td>Pens (Ball Point)</td>
<td>$1.00</td>
</tr>
<tr>
<td>Magnetic Screwdriver</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

Total Amount of Order $________
Southcon/97

Thousands of electronics and communications professionals from the Southeast are preparing for the 17th annual Southcon, the region’s largest OEM electronics conference and exhibition.


Tentative show hours are as follows:  
Tuesday, March 25  
Wednesday, March 26  
Thursday, March 27  
10:00 a.m. - 6:00 p.m.  
10:00 a.m. - 6:00 p.m.  
10:00 a.m. - 3:00 p.m.

Engineers and corporate managers will find an unprecedented selection of new and emerging electronics and communications technologies and products from many of the world’s leading manufacturers at Southcon/97. The goal for the technical conference is to provide attendees with state-of-the-art information as well as identify future trends in the electronics industry. With the emphasis that has been put forward by industry and government in the Research Triangle Park area with regard to both Computers and Communications technology, it is only fitting that these areas become the focus of the Conference technical sessions. Additionally, sessions are planned for product development / manufacturing and education.

For specific information regarding Southcon/97 contact: Deb Powers at (770) 263-9200 or e-mail d.powers@ieee.org or Jim Howard at (813) 228-4653 or e-mail: j.howard@ieee.org

Southcon is sponsored by Region 3 and Florida Council, IEEE and Sunshine Chapter, ERA.

---

Deborah Powers to receive RAB Leadership Award

Past Region 3 Director, Deborah Powers has been selected by the Regional Activities Board (RAB) to be the recipient of the RAB “Leadership Award”. Deb was selected for her significant contribution and innovative effort in the development and production of the Region 3 Leadership Development Training (LDT) Manual - “The first formal regional training manual”. The LDT Manual has been used for nine (9) years in training Region Areas/Area-Councils, Sections, Subsections and Chapters in Region 3. During this period there have been more than fifty (50) separate training sessions, including eight major training sessions held at Region 3 conferences at the Region training program continues to expand each year. The LDT Manual has been used on numerous occasions by other Regions outside Regions 3.

Deb developed the LDT Manual in 1988 while serving as the Region 3 Newsletter Editor. Deb realized there was a need for a more synergistic training program where the volunteers could review the forms and reports volunteer has to complete while in office and receive a general orientation on the Institute organization. The addition of the LDT Manual to the Region 3 training program has resulted in Region 3 being recognized as the Institute leader in volunteer training and training resources. Deb has definitely accomplished many “Firsts for Region 3” and many of her contributions like the LDT Manual are living testaments - congratulations!

---

IEEE REGION 3 NEWSLETTER  
WINTER 1997
Region 3 Director
James H. Beall
9636 Stephenson Drive
New Port Richey, FL 34655
(813)376-2790 H
J.BEALL@IEEE.ORG

Region 3 Director Elect
Dale C. Caston, P.E.
PO Box 442
D'Lo, MS 39062
(502)887-2479 H
D.CASTON@IEEE.ORG

Region 3 Secretary
Leadership Development
J. Cullen Wright
500 Mountaintop Drive
Waynesville, NC 28786
(704)452-2921 O
(704)452-2921 H
(704)452-2011 F
J.C.WRIGHT@IEEE.ORG

Region 3 Treasurer
K. Reed Thompson
14 Forty First Avenue
Isle of Palms, SC 29451
(803)886-6623 H
(803)886-6623 F
K.REEDTHOMPSON@ IEEE.ORG

Region 3 Past Director
Deborah M. Powers
3685 Heathwood Lane
North Augusta, GA 29802
(704)263-9200x4238 O
(704)263-9214 H
(704)441-3757 F
D.POWERS@IEEE.ORG

Area 1 (VA Council) Chair
Samuel C. Harris
Route 1, Box 445
Waynesboro, VA 22980
(540)942-1996 O
S.HARRIS@IEEE.ORG

Area 2 (NC Council) Chair
Marvin M. Neilitz
4302 Dogwood Drive
Greensboro, NC 27410
(910)279-5699 O
(910)278-9496 H
(910)278-7705 F
M.NEILITZ@IEEE.ORG

Area 3 (Georgia) Chair
W. Bill Harrison, Jr.
944 Bramwell Lane
Stone Mountain, GA 30083
(404)292-7902x265 O
(404)292-3457 H
(404)292-2321
W.HARRISON@IEEE.ORG

Area 4 (FL Council) Chair
Osama Mohammed
FIU, Electrical and Computer Engineering
Room 104-03
Miami, FL 33199
(305)348-3040 O
(305)348-3040 H
(305)348-7877 F
O.MOHAMMED@IEEE.ORG

Area 5 (TN Council) Chair
William L. Allen, Jr., P.E.
602 Sango Circle
Cordova, TN 38018
(901)528-4443 O
(901)528-4443 H
(901)528-4443 F
W.L.ALLEN@IEEE.ORG

Area 6 (AL, MS) Chair
William P. Wheless
P. O. Box 11134
Tuscaloosa, AL 35408
(205)348-1757 O
(205)348-1757 H
(205)348-6730 F
P.WHELESS@IEEE.ORG

Area 7 (SC Council) Chair
Richard Coleman
311 Lake Front Drive
Columbia, SC 29212
(803)749-3707 O
(803)749-3707 H
(803)343-2340 F
D.W.HILL@IEEE.ORG

Area 8 (Kentucky) Chair
Donald W. Hill
1767 Donelson Drive
Lexington, KY 40511-9021
(859)263-8437 O
(859)263-8437 H
(859)263-8437 F
D.W.HILL@IEEE.ORG

Area 9 (Jamaica) Chair
Dennis Hartley
37 Ovillo Drive
Kingston 3, Jamaica
(809)925-6700 O
(809)925-6717 H
(809)937-5309 F
D.HARTLEY@IEEE.ORG

Area 10 (FL Council) Chair
Charles E. Hickman, Ph.D., P.E.
Center for Electric Power
6012 Korn 1
Cockeysville, MD 21030
(410)372-8375 O
(410)372-8375 H
(410)372-8375 F
C.HICKMAN@IEEE.ORG

Conference Committee Chair
David G. Green
533 Shadybrook Circle
Birmingham, AL 35236
(205)924-8340 O
(205)924-8340 H
(205)975-3337 F
D.GREEN@IEEE.ORG

Educational Activities Chair
Daniel W. Jackson, P.E.
5704 Castle Rock Road
Roanoke, VA 24018
(540)774-0484 H
(540)774-0484 F
D.JACKSON@IEEE.ORG

Membership Development Chair
James M. Howard
Tampa Electric Company
PO Box 111
Tampa, FL 33601
(813)229-4653 O
(813)229-4653 H
(813)229-4653 F
J.M.HOWARD@IEEE.ORG

Professional Activities Chair
Richard L. (Dick) Riddle
2725 London Lane
Winston-Salem, NC 27103-5728
(336)785-9702 O
(336)785-9702 H
(336)785-9702 F
R.RIDDLE@IEEE.ORG

Strategic Planning Chair
Roy H. Harris
2025 Nottingham Lane
Burlington, NC 27215
(910)584-7810 O
(910)584-7810 H
(910)584-7810 F
R.HARRIS@IEEE.ORG

Student Activities Chair
J. Patrick (Pat) Donohoe
P.O. Drawer EE
Mississippi State, MS 36782
(601)325-2180 O
(601)325-2180 H
(601)325-2180 F
P.DONOHOE@IEEE.ORG

Student Representative Region 3
David C. Lee
Virginia Tech
475 Whitmore Hall
Blacksburg, VA 24061-1011
(540)231-3368 O
(540)231-3368 H
(540)231-3368 F
D.C.LEE@IEEE.ORG

Communications/Newsletter Editor
R. Brian Skelton
8056 Windyridge Drive
Bartlett, TN 38133
(901)258-4353 O
(901)258-4353 H
(901)258-4353 F
B.SKELTON@IEEE.ORG

Public Information Chair
Robert S. Duggan, Jr., P.E.
1112 Mason Woods Drive
Atlanta, GA 30329-3804
(404)986-2110 H
R.DUGGAN@IEEE.ORG

E-Mail Region 3 Coordinator
Brian K. Swall
1144 Viking Drive
Knoxville, TN 37932
(423)671-2180 O
(423)671-2180 H
(423)671-2180 F
B.SWALL@IEEE.ORG

BBS Sysop/Special Proj.
Region 3 Coordinator
Vernon Powers
3995 Heathwood Lane
North Augusta, SC 29802
(707)849-6114 H
(770)441-3757 F
V.POWERS@IEEE.ORG

Special Review Chair
David McClaren
2279 Glenbrook Road
Clearwater, FL 34624-4291
(727)303-8708 O
(727)303-8708 F
D.MCLAREN@IEEE.ORG

Nominations & Aptmnts Chair
David A. Conner, Ph.D., P.E.
4005 Summit Cove
Hoover, AL 35226-4207
(205)934-8440 O
(205)934-8440 H
(205)975-3337 F
D.A.CONNER@IEEE.ORG

Sections Congress Region 3 Rep
Daniel W. Jackson, P.E.
5704 Castle Rock Road
Roanoke, VA 24018
(540)774-0484 H
(540)774-0484 F
D.JACKSON@IEEE.ORG

Send corrections, article submissions, comments to:

R. Brian Skelton
8056 Windyridge Drive
Bartlett, TN 38133
b.skelton@ieee.org
THE REGION 3 BULLETIN BOARD SYSTEM STARTS THIRD YEAR OF OPERATION

Did you know, Region 3 is the only IEEE Region which has an electronic Bulletin Board System (BBS) available to its membership? The BBS went operational in January 1995 and is starting its third year of operation. To date, the BBS has averaged over 100 calls per month with approximately 20% of the calls being outside the geographic boundaries of Region 3. When you have a few minutes, log-on and browse the BBS, you will be pleasantly surprised at the breadth of information available.

The primary basis for the BBS is to make information available to those of our members who have a computer and a modem, but not necessarily email or internet access. Region 3 has a toll free number (1-800-555-REG3) for those members living within Region 3 (area code 404 and 770 use 770-446-0740), and members from outside the region are welcome to access it at 770-446-0740.

The Region has allocated menu space to all Region 3 entities so they can have their own remote BBS on toll free phone lines. If your area, council, section, subsection or chapter is interested in utilizing this unique Region 3 resource contact Director Beall at j.beall@ieee.org or BBS Sysop, Vernon Powers at v.powers@ieee.org.

<table>
<thead>
<tr>
<th>Important Addresses and Phone Numbers to Know.....</th>
</tr>
</thead>
<tbody>
<tr>
<td>R3 Web Site:</td>
</tr>
<tr>
<td>ETI Web Site:</td>
</tr>
<tr>
<td>ETI Authorization:</td>
</tr>
<tr>
<td>ETI Queries:</td>
</tr>
<tr>
<td>Region 3 BBS:</td>
</tr>
<tr>
<td>in Atlanta:</td>
</tr>
</tbody>
</table>

The Institute of Electrical and Electronics Engineers, Inc.  
Florida West Coast Section  
8717 Imperial Court  
Tampa, FL 33635-1513

Dated Material - Please Do Not Delay