



# IEEE Region 3 Newsletter

Volume 14, Number 1

Winter 1999

## DIRECTOR'S REPORT

Dale Caston



As we look back on 1998, there is a time of reflection for what has been accomplished during the year. Here are some of the Director's thoughts: MEMBERSHIP

The latest reports indicate that Region 3 members increased by 4.19% to 29,363 total members. This includes 26,087 higher grade members (+2.3%) and 3849 student members(+19.4%). How was this obtained? Part of the gain can be attributed to the decrease in student membership dues approved by the Board of Directors. Hopefully, part can also be attributed to new members seeing the value of IEEE through its technical publications and conferences, section and societies activities, use of the Electro-Technology Database, from the many Financial Advantage programs and services and the networking opportunities with other engineers.

### Region 3 Conferences

Southcon '98 and Southeastcon '98 were both held in Orlando, Florida. Booth sales for Southcon were down from previous years, but the attendance was up partly due to other trade shows which

were held simultaneous at the Orange County Convention Center. There were nearly 100 papers submitted for Southeastcon, however, the attendance was much lower than forecast. This low attendance of other than student members along with other factors led to a financial loss of \$9000 for both the Region and the Orlando Section. The Southeastcon audit committee's findings should help future conferences to avoid this type of monetary loss.

### Membership Training and New Initiative

Bill Harrison, MDC Chair, and his committee held the first membership training session along with the Region 3 meeting in April in Orlando, Florida. Instructions about the use of the SAMIEEE data base was shared by an IEEE Staff member. The MDC undertook a new initiative to develop a program that will seek corporate encouragement and support for their employee membership and active participation in IEEE. Several working meetings were held and additional funding for this venture is being furnished by the Region, Atlanta Section and Regional Activities Membership Development.

### Communications

The Region 3 web page was utilized for the Executive Committee roster and the posting of the meeting minutes by our Secretary. EXCOM members continued to submit reports by email and all IEEE members were permitted to have an IEEE alias for the first time in 1998. Two issues of the Region 3 Newsletter were distributed to all Region 3 members to help adver-

tise our two conferences and to keep the members informed of Region activities.

### Region 3 Member Participation

Many of Region 3 members served in other IEEE organizations in responsible positions. For example, Dave Green and Jim Howard were Regional Activities Board Vice Presidents in charge of Member Operations and Membership Activi-

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ties, respectively. Charles Hickman was the Chair for RAB - Awards and Recognition Committee. George McClure and Lee Stogner were active in IEEE - USA Professional Activities programs. As Regional Director, I was privileged to serve on the IEEE - USA Board of Directors, Regional Activities Board of Directors and IEEE Board of Directors. In addition, there were many others of our number that participated as committee members with the various IEEE entities which indicate that Region 3 was well represented. **SUMMARY**

There were many other committees and individuals that did outstanding work during the year that space nor my memory permits me to outline here. Thanks go out to our Executive Committee and to each of you that have served the Institute in 1998 and with renewed energy let us look forward to even a better year in 1999.

## DIRECTOR ELECT'S REPORT

*Dick Riddle*



### *On The Way To Year 2K*

It was my privilege to attend the "New Directors Orientation" as part of the IEEE Board of Directors Series III held November 12-15 at New Brunswick, NJ. After more than 30 years as a member of IEEE, I was familiar with a lot of the material and subjects presented but I had never considered them from the standpoint of the "buck stops here" in the year 2000. It did not take me long to realize that the presenters were talking about my duties and responsibilities. This experience was humbling, sometimes confusing, and a little frightening. It was humbling to realize that you soon will be one of 23 people (Delegates/Directors), that will decide the future of a more than 300,000 member, multi-million dollar, "Public benefit" corporation. And that this transnational world-wide Corporation's

primary purpose is scientific and educational.

I was told that I should understand the New York Not-for-Profit Corporation Law, IEEE's Certificate of Incorporation, Constitution, Bylaws adopted by the members, Bylaws adopted by the Board, Resolutions, Policies, Procedures, and Robert's Rules of Order. To help me understand all of this they gave me a big book that contained most of it. I told the staff person that gave me the book, "I now understand why it takes two years for a Director-Elect to get ready to become a Director. It will take me a year to read the book. Understanding it may take longer."

I was also told that I serve and was accountable to ALL MEMBERS not just to those members that elected me. I wondered, what ever happened to the US and Region 3 members? Did they get lost on the way to the year 2000? I heard about the IEEE Vision to advance global prosperity by fostering technological innovation, enabling member's careers and promoting community worldwide as embodied in our slogan: "IEEE Networking the World!"; but I did not hear anything about IEEE-USA. Maybe I missed it or maybe our transnational world-wide Corporation has out grown the US member.

## SECRETARY'S REPORT

*David Green*



Happy New Year! I hope IEEE has proven to be a valuable organization to you and we want to make it even more valuable (and efficient) in 1999. An ever-increasing number of member services is available through the web and/or e-mail.

You were given the option of renewing your membership on the web. Region 3 and Region 8 are the trial regions for web renewal. If you renewed on the web, let me what you thought of the experience.

One of the never ending challenges

for IEEE (as well as other organizations) is tracking the addresses of its members. Be sure to keep IEEE informed of your address so that the services to you can continue uninterrupted. You can use the web as discussed below, send e-mail to address-change@ieee.org, call 1-800-678-IEEE, or by postal mail. You can also do this through the web using the information you were given with your renewal package. Remember to tell them of any telephone area code changes or e-mail addresses that have occurred. Section leaders should make sure that IEEE Section/Chapter Support is kept up to date on your officer roster.

You can also access the Region 3 Web Site (listed elsewhere in this issue) for current Region officer information as well as Regional events such as Southeastcon '99. These volunteers are trying to make your IEEE membership valuable to you. Contact them if you have any issues in their designated areas of responsibilities or to volunteer to help out.

## TREASURER'S REPORT

*Charles Hickman*



The final budget numbers for 1998 are not available in early December. However, based on current data, a budget deficit, as noted in the following table, is expected.

	Budget	YTD
Actual Income	117,705	100,389
Expenses	150,150	119,386
Net	(27,445)	(18,997)

On the positive side, the deficit should be less than that forecast at the beginning of the year.

The major variable this year has been the performance of the Long term Investment account. Through November, the earnings in this account were \$5,123. Other

major impacts on the 1998 budget were conference income below expectations and meeting expenses higher than anticipated.

We are in the process of developing the 1999 budget. Our best opportunity to serve the needs of our members, Sections Congress 1999, will also be the largest expense item. Therefore, all of us must exercise prudent financial management of our Region 3 resources in preparing the 1999 budget.

## PAST DIRECTOR



*Jim Beall*

As we enter a new year and approach the end of the millennium I send you greetings and a wish for success in all your endeavors this year. From what I see the Institute and Region 3 have prospered this past year. Thanks to all. The new year brings opportunities for all of us.

I encourage our members to attend and participate in the activities of the Institute and Region 3. In particular give your attention to our annual conference, Southeastcon '99, being held in Lexington Ky., March 25-29, 1999. This conference is an annual bringing together of professionals and students in two great conferences under one name. It is also the time of the Region 3 Annual Meeting, where leaders of the region and its 43 sections get together to decide the region's future.

Southcon '99 Exposition and Conference, a different venue, is of great interest to our members in the manufacturing world involved with components used in electronics manufacture. Southcon '99 will be held in Duluth GA Northeast of Atlanta, April 13-15, 1999, at the Gwinnett Civic and Cultural Center. If you work in this field I strongly urge you to attend.

Detailed information on both these fine conferences appears elsewhere in this news letter.

Let me strongly endorse Sections Congress '99 this fall in Minneapolis. It will be a great arena for our Section chairs

and other leaders to meet, learn and guide the Institute. Please read Dan Jackson's article on SC '99 for more details.

## VIRGINIA COUNCIL



*Adeeb Hamzey*

Virginia Council public relations activities are concentrated in matters relating to dissemination of information about IEEE and the engineering profession in the communities in which our members reside. This touches the core of the engineer's image that we all are determined to enhance. We, as engineers and IEEE members, owe it to the public to dispel the myths associated with our profession. We have gone a long way, but we have a lot more ground to cover in this arena. We have to rise above the approach of comparing ourselves with other professions. Engineers' contributions to society speak for themselves, yet public perception of the value of such contributions still needs to be brought to the forefront. Historically, engineers have refrained from speaking out on professional issues that affect their lives, the lives of their dependents, and future generations. We, at IEEE-USA have a wealth of professional and technical resources that can be tapped in helping engineers put their fingers on the pulse of issues dear to the public at large. At the Virginia Council level, we have concentrated our efforts in the areas of professional activities, schools, government activities, and advocacy for the unique role that engineers play in society. To that end, you see Virginia Council committees and member sections working on behalf of our IEEE members in the following areas:

1. Plan activities for the 2001 Boy Scout Jamboree at Fort A. P. Hill.

Committees are formed and volunteers are being sought to satisfy scouts'

needs to sign off on electricity and electronics badges. Also, volunteers are being sought to provide career counseling to boy scouts encouraging them to consider careers in engineering, and the satisfaction and sense of accomplishment individuals have by pursuing a career in engineering. What is important here is that engineers are connecting with the younger generation. They are influencing the students' decisions through dialogue.

2. Provide assistance to school systems in the area.

School systems through out the Commonwealth are being sensitized as to the human face of engineers. Classroom presentations have been made and continue to be planned for the future. IEEE members are helping teachers plan, organize, and conduct science fairs at the schools. In Goochland County, for example, our members are working closely with school administration to provide assistance to teachers in the after school program. With help from the school administrators, IEEE members and other professional and civic organization representatives are organizing a tutoring program in local churches to help students and their parents in math and sciences. Establishing IEEE Student Chapters at area universities, such as the Virginia Commonwealth University, and coordinate activities with these chapters to bring in and retain "new engineering blood" that reduces the rate of attrition.

3. Establish communications networks.

Networking with other organizations is a proven method of getting professional, social, and political issues to be heard by responsible parties. Working with the Virginia educational institutions, math science teachers, and supervisors is helpful in showing that engineers care about issues of concern to them, and that engineers as resources should be tapped. Forming alliances with other professional societies, such as Virginia Society of Professional Engineers (VSPE) and ASME provide us with a larger audience and more effective strategy for influencing others.

4. Present the engineering profes-



sion, and IEEE-USA in particular to government representatives.

To this end, the Virginia Council is deliberately working with local, state, and federal governments on issues relevant to the engineering profession, engineering ethics, licensing, professional registration, and presenting our members as resources to government representatives, at all levels. More specifically, We have established a database of all state legislators linked to their constituent IEEE members, based on addresses and zip codes. We coordinate with VSPE to have a day at the General Assembly every session, and this year is no different. Our members visit legislators' offices, talk to representatives and staff by way of introduction and discussion of professional issues.

These are some of the issues in which we involve ourselves on behalf of our IEEE members. The biggest obstacle that we encounter is the small cadre of volunteers to do the work. Engineers, like other members of our communities are spread thin with a multitude of responsibilities, both in the workplace and with their families. The demands on their time are great, and we've got to figure out a way to make it easier on our members to volunteer whatever time they may have, in helping their profession. That's an issue to which we need to be sensitive in achieving the goal of broader volunteer participation.

### *Important Addresses and Phone Numbers to Know.....*

**R3 Web Site:**

<http://sandbox.ieee.org/r03/>

**ETI Web Site:**

<http://sandbox.ieee.org/r03/eti/eti.html>

**ETI Authorization:**

[eti-info@eng.uab.edu](mailto:eti-info@eng.uab.edu)

**Region 3 BBS:**

1-770-446-0740

## AREA 3 - GEORGIA

*Bill Ratcliff*



The Atlanta, Central Georgia and Savannah Sections that comprise Area 3 are busy with their preparations for Holiday Season parties and meetings, as well as 1999 and beyond to the millennium change. Renewed emphasis on video conferencing that can utilize desktop software has emerged through discussions with Region Activities Staff. The ability for the Executive Committees of the individual sections to meet and exchange ideas and information without the expense of travel (time and dollars) is one of the major objectives of Area 3. Stay tuned as development progresses.

The number of members that are letting their membership lapse is approaching 10%. An effort to contact those members in arrears has begun. Please take advantage of any opportunity that is presented to help a member remain active. Each of us is a node in the network and must be active if IEEE is to Network the World.

## FLORIDA COUNCIL

*Butch Shadwell*



The Florida Council is alive and well. The results of the latest election have not been disclosed, but it appears that I will do the Florida Council Chair job for another year. I am looking forward to it.

Our November training session was a very good success. I need to thank Jim Beall and KB Sundaram for working so hard to make it so. I hope we will continue

to offer this service to local leadership in the future, that is, when the Southeastcon meeting is out of state, we offer local training for all of the key officer positions.

I think the Florida Council has many excellent candidates for regional and national awards. I am happy to provide letters of recommendation for potential recipients, but I must ask nominators to please send me requests at least a week before the deadline. I recently got one the day after it was due. I hope it is still accepted.

Once again in the coming year, the goal is to use council money and time to provide the best support we can to the section leadership. I hope that those leaders will give serious thought in the next few weeks as to what form that support should take. I will broadcast the date of our next meeting before the end of the year. We may try for early February.

It is a continuous refrain I'm afraid, but sections, branches, and chapters need to get their reports in January. You will sleep the rested sleep of those who know they have reported and your section will get a 10% bonus.

Finally, I hope the holidays and New Year provoke each of us to set higher personal goals and renew our determination to achieve them. God bless us all.

## AREA 9 JAMAICA

*Dennis Hartley*



The Jamaica Section Communications Society Chapter is now a reality, as of November 2, 1998. There are projections that next year will be very active for this Society. The petition for a Power Engineering Society is presently being prepared and is expected to be completed before the end of the year.

There is continuous dialogue with Lexington Kentucky Section regarding the Jamaica Section's participation in Southeastcon '99. We are also working

with the Jamaica Tourist Board Group Conventions Manager in Miami, Florida, regarding assistance in promoting JamCon 2000.

Payment of membership fees in Jamaica dollars experienced problems this year. It is not known exactly what is the problem, but it is clear that a re-evaluation of this arrangement is necessary.

The number of Life and Senior Members are on the increase and the Regional objective of 10% Senior Members will be exceeded this year.

## CONFERENCES

*Jim Howard*



The next conference committee meeting will be held at the upcoming Southeastcon conference in Lexington, Kentucky. At that meeting we will be discussing plans for the future Southeastcon's, Southcon's and other Region conferences. Sections interested in bidding on Southeastcon 2002 and beyond should contact the Conference Committee Chair at [J.Howard@ieee.org](mailto:J.Howard@ieee.org) regarding the schedule for bid processing, as well as assistance if needed. Please check out the following web pages for our upcoming Southeastcon and Southcon conferences.

<http://www.southcon.com>

<http://www.engr.uky.edu/student.orgs/IEEE/secon/index.html>

### *Southeastcon '99*

Southeastcon '99 will be held at the Lexington, Kentucky, Hyatt Hotel on Thursday through Sunday, March 25 through 29. The hosts for this conference are the Lexington Kentucky Section and the University of Kentucky Student Branch. The conference will follow the model of placing all three components (Region 3 meetings, technical conference, and the student conference), in parallel. Elsewhere in this newsletter you will find

## CALL FOR PETITION CANDIDATES

The 1999 IEEE ballot will contain the names of either two or three candidates submitted by the Region 3 committee for election to the position of 2000-2001 Region 3 Delegate/Director-Elect. Individual voting members may propose, by petition, names to be added to the ballot. Petitions must satisfy the constraints articulated in IEEE Bylaw 314.10. Petitions are due no later than June 15, 1999. Contact Debbie Powers, Region 3 Nominations Chair, for more information.

complete details for the Southeastcon '99.

### *Southcon/99*

Southcon/99 will be held in Atlanta, Georgia on Tuesday, April 13, 1999 through Thursday, April 15, 1999 at the Gwinnett Convention Center. For the first time ever, the show will be co-locating with the SMTA (Surface Mount Technology Association) Atlanta Chapter. This is the Southeast's largest Electro-Technology show and is normally held once a year in Region 3. The sponsors, IEEE Region 3, IEEE Florida Council, and the Electronic Representatives Association (ERA) are planning a special event for this shows return to Atlanta, so be sure to plan to attend and support the show. In fact all attendees will have a chance to win a Laptop computer, which will be given away each day of the show. Refer to the Southcon pages elsewhere in this newsletter for more details.

### *Other Items*

If your Section has a conference planned, please send information about it to the Region 3 Conference Committee at [j.howard@ieee.org](mailto:j.howard@ieee.org). We would like to create a list of all conferences planned in the Region and to list it in this newsletter and create links on our Web pages.



## EDUCATIONAL ACTIVITIES

*Perry Wheless*



The IEEE Region 3 Executive Committee acted in November 1997 to establish an annual Region 3 Employer Professional Development award, intended to recognize organizations employing IEEE members for contributions to employee continuing education and professional development. Dan Jackson and Atef Elsherbeni have led EAC's work on development of a nomination form and solicitation of responses to the first-year distribution of a Call for Nominations. At this writing, the nomination process is still open for about another two weeks, and the selection process is scheduled for completion in mid-January. This report is to bring this new award to the attention of Newsletter readers who may not have seen it publicized elsewhere. If your employer merits recognition for employee continuing education and professional development, you are encouraged to nominate them for this award. As an extra incentive, you should note that the number of nominations is usually small for the first two or three years of existence for a new award like this, and so your probability of success will be enhanced in the next cycle or two. Also, you don't have to wait a full year to enter the nomination if you are concerned about forgetting it next November. Contact Atef Elsherbeni ([atef@olemiss.edu](mailto:atef@olemiss.edu)), who can assist you with the nomination form and accept your



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# IEEE SOUTHEASTCON '99

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March 25 - 28, 1999  
Lexington, Kentucky

Sponsored by  
The Institute of Electrical and Electronics Engineers, Inc., Region 3,  
University of Kentucky, IEEE Student Branch at the University of Kentucky,  
and the Lexington Section

The latest conference information (including meetings and agenda) can be found on the Web at:  
[http://www.engr.uky.edu/student.orgs/IEEE/SouthEastCON\\_99/index.html](http://www.engr.uky.edu/student.orgs/IEEE/SouthEastCON_99/index.html)

## CONFERENCE INFORMATION AND REGISTRATION

**CONFERENCE OVERVIEW:** The theme for SoutheastCON '99 is "Technology on the Brink of 2000". SoutheastCON will be a showcase of state of electrical engineering entering the next millenium. In particular, the latest in research, technology, and education will be afforded to SoutheastCON attendees. Lexington, Kentucky is located at the heart of Kentucky's famous scenic Bluegrass region. First explored by Daniel Boone, Lexington was one of the wealthiest towns in the western frontier of the early United States. The appellation, "the Athens of the West," was bestowed upon Lexington because of the great cultural diversity it offered then and now. More cosmopolitan than metropolitan, Lexington's world-renowned sites border on the dramatic. The city's easy accessibility, first-class facilities, unique attractions and award-winning convention bureau services make it an appealing venue for Southeastcon '99!

**GENERAL INFORMATION:** SoutheastCON is the annual IEEE Region 3 Technical, Professional, Student Conference established to bring Electrical and Computer Engineering professionals, faculty and students together to share information through technical sessions, tutorials, and exhibits. It is the most influential outlet in Region 3 for promoting awareness of technical contributions made by our profession to the advancement of engineering science and society. Attendance and technical program participation from areas outside IEEE Region 3 are encouraged and welcomed.

**TECHNICAL PROGRAM:** The call for papers for SoutheastCON '99 has evoked paper submissions from all parts of the world, not merely from the Southeast region of the United States. Attendees of Southeastcon '99 will be treated to a replete agenda including: Over 20 technical sessions; 6 tutorials on topical issues in electrical engineering; Industry displays of the latest in electrical and computer engineering technology; Student hardware, software, and paper competitions; a career fair; tours of high-tech corporations in the Bluegrass area; a superb social program for professionals, students, and spouses!

**STUDENT PROGRAM:** Contact the student conference chair for information and details.

**CONFERENCE REGISTRATION:** The fee for conference advanced registration for IEEE members is \$175.00 (\$US) and is due on or before March 1, 1999 (see registration form on following page). This represents a discount of \$25.00 over the on-site registration price. The advanced registration fee for nonmembers of IEEE is \$275.00 while the on-site price for nonmembers is \$300.00. The professional registration fee also includes all coffee breaks, reception on Sunday, the awards luncheon, a copy of the



*Proceedings*, and admission to all technical paper sessions, exhibits and student competitions. Information on student registration, registration for tutorials, and additional tickets can be found on the registration form. If you need additional help contact the conference secretariat or the conference chairman.

**Cancellation Policy:** 50% of all fees will be refunded to persons canceling their registration before March 15, 1999. After March 15, 1999 no refunds will be issued for cancellations!

**Note to SoutheastCON authors:** at least one professional registration fee is required for each paper accepted for presentation at SoutheastCON '99. This fee is due by February 1, 1999 and must accompany the final camera-ready proof of the paper. **FAILURE TO PAY THIS FEE WILL RESULT IN THE MANUSCRIPT'S OMISSION FROM THE CONFERENCE PROCEEDINGS!**

**HOTEL INFORMATION:** The Conference site is the Hyatt-Regency Lexington. The address and telephone number are: Hyatt Regency Lexington, 401 West High Street, Lexington KY 40507, USA. The toll-free reservation telephone number for all Hyatt Hotels is (800) 233-1234 while the local, Lexington telephone number is (606) 253-1234. When requesting a reservation, please be sure to mention that you are with the IEEE Southeastcon '99 conference. You may also fax your reservation to the Hyatt at (606) 233 7974. Check-in time is 3:00 p.m. and you must check out by 12:00 noon on your final day of attendance. The conference room rate is \$93.00 for single/double and \$103 for triple/quad occupancy per night. The first 30 student room reservations will receive the special early reservation price of just \$80.00 per night! The Hyatt-Regency Lexington is located in the heart of the downtown business district, the focal point of Triangle Park and Lexington Center, featuring shopping mall, convention center and 23,000-seat Rupp Arena for sporting and entertainment events; convenient pedway connections to Triangle Center and Victorian Square shops, restaurants and boutiques; 6 miles to Bluegrass Airport.

The Hyatt-Regency Lexington has a cancellation policy which differs from the aforementioned conference registration cancellation policy. When making hotel reservations, be sure to inquire about all cancellation terms as dictated by the Hyatt-Regency Lexington.

**AIRPORT TO HOTEL TRANSPORTATION:** The Hyatt-Regency is approximately 6 miles from the Bluegrass Airport. Taxi and Limo service is available at a nominal cost. If you are renting a car at the airport, follow the signs from U.S. 60 East (Versailles Road) into downtown Lexington. Versailles Road turns into Maxwell Street. Turn left onto South Broadway at first traffic signal. The Hyatt Hotel is on corner of High Street and South Broadway.

### Conference Organizers to Contacts:

#### General Chair

Mr. Don Hill  
Physical Plant Div. Office  
University of Kentucky  
Lexington, KY 40506  
Email: dhill@ppd.uky.edu

#### Technical Program Chair

Dr. Bruce L. Walcott  
Dept. of Electrical Engineering  
University of Kentucky  
Lexington, KY 40506  
Email: walcott@enr.uky.edu

#### Student Program Co-Chairs

Kristi Maggard/Chris Bowlin  
Dept. of EE  
Univ. of Kentucky  
Lexington, KY 40506  
Email: krmagg0@pop.uky.edu

#### Conference Treasurer

Mr. Ray Williams  
Dept. A85L Bldg 035-2  
Lexmark International, Inc.  
740 New Circle Road  
Lexington, KY 40550

#### Tutorial Program Chair

Dr. William T. Smith  
Dept. of Electrical Engineering  
University of Kentucky  
Lexington, KY 40506  
Email: walcott@enr.uky.edu

#### Registration Chair

Mr. Carter Hamilton  
Dept. of EE  
Univ. of Kentucky  
Lexington, KY 40506  
Email: carter@computer.org

The latest conference information (including meetings and agenda) can be found on the Web at:

[http://www.engr.uky.edu/student.orgs/IEEE/SouthEastCON\\_99/index.html](http://www.engr.uky.edu/student.orgs/IEEE/SouthEastCON_99/index.html)





nomination on a timetable most convenient to you.

Although we normally feature the Region 3 Web site, this time we are encouraging readers to visit the main IEEE Web site to view new products and services available through IEEE Educational Activities, which is now embarked on its "IEEE Educational Advantage" promotion. One way to get there is to first access <http://www.ieee.org> and click on the "careers, education & accreditation" link. This will take you to /eab, where one of the link choices is "Catalog." This choice, in turn, will bring up a page of selections including "Distance Learning," "Self-Study Courses," and "Videos." If you have not looked at Educational Activities offerings in a while, you will find it both interesting and informative to visit the Web site and peruse the numerous changes and new materials posted there.

## LEADERSHIP DEVELOPMENT



*Reed Thompson*

The Leadership Development Committee had a reasonably active year in 1998 beginning with an update of the training manual to make it current with the changing situation with IEEE Headquarters. A training session for Region 3 Committee Chairs was presented at the January 16, 1998 meeting of the Executive committee. This was followed by a training session for Section Officers held in conjunction with SoutheastCon '98 in Orlando on April 25, 1998. Committee member Jim Beall conducted special Section Officer training sessions for the Jamaica Section in Kingston, Jamaica in May and also one for the Florida Council in November, both resulting from special requests from these organizational entities.

The Institute had a training emphasis

in 1998 and Region 3 was requested and did send copies of our training manual to Region 5, the Vice President for RAB and the President of IEEE USA for assistance in the development of their training programs.

The Committee will again offer the Section Officers' training session at SoutheastCon '99 in Lexington. We encourage all section representatives who will be at the Region 3 Committee meeting at that Conference to plan to participate in this training. Additional section officers who can attend that Conference are also welcomed and encouraged.

## MEMBERSHIP DEVELOPMENT



*Bill Harrison*

In addition to its regular Membership Development activities, the Region 3 Membership Development Committee undertook two special projects in 1998.

### *Membership Development Training at SoutheastCon '98*

We conducted a Membership Development Training Workshop at SoutheastCon 98, in Orlando. Jim Howard, IEEE's national Membership Development Vice President, discussed several national MD programs and initiatives, including

the Senior Member program. Vera Sharoff, IEEE staff person presented and demonstrated the SAMIEEE database for use in membership activities. Marvin Neiditz, MDC Vice Chair arranged and coordinated the workshop.

### *Corporate Outreach*

The Region 3 Corporate Relations Pilot Project is a major IEEE initiative to find ways to help local IEEE entities establish and maintain relationships between sections/technical society chapters and the organizations, executives and managers who employ IEEE members and prospective IEEE members. This Region 3 pilot project can lay the groundwork for national/international membership development initiatives in Corporate Outreach and Corporate Relations. We will conduct the Pilot Project during the first half of 1999 and report our findings and recommendations in the fall. We anticipate presenting the results at Sections Congress 99 in October.

In addition to its regular meetings at the three 1998 Region 3 EXCOM meetings, the Region 3 MDC held two special work sessions during 1998. We met in Atlanta on September 19-20, 1998, and on December 10, 1998, to develop plans, assignments and schedules for the Corporate Relations Pilot Project. Plans, MD committee assignments and schedules are in place. We will review our plans with the Region 3 EXCOM in January, 1999, and proceed with the pilot project.

A number of IEEE entities will be asked to participate — some have also been asked to provide funding to support the pilot project. The response to date has been extremely encouraging. Some of the entities we expect to be involved in the project include:

## SoutheastCon Schedule

<u>Conference</u>	<u>Date</u>	<u>Host Section/Branch</u>	<u>Conf Chair</u>
SoutheastCon '99	3/25-3/29	Lexington/Univ. of KY	Donald Hill
SoutheastCon '2000		Nashville Section	Saleh Zein-Sabatto
SoutheastCon '2001			

## SoutheastCon E-mail Contacts

<u>Conference</u>	<u>General Chair</u>	<u>Student Conference</u>
SoutheastCon '99	<a href="mailto:d.w.hill@ieee.org">d.w.hill@ieee.org</a>	<a href="mailto:sb.uky@ieee.org">sb.uky@ieee.org</a>
SoutheastCon '2000	<a href="mailto:Sabatto@harpo.tnstate.edu">Sabatto@harpo.tnstate.edu</a>	
SoutheastCon '2001		

- IEEE Region 3 Executive Committee (EXCOM)
- IEEE Region 3 Educational Activities Committee
- IEEE MD Policy Subcommittee
- IEEE Components, Packaging and Manufacturing Technology Society
- IEEE Communications Society
- IEEE USA Industrial Relations
- IEEE Power Engineering Society
- IEEE USA Membership Development
- IEEE USA Professional Activities
- A special IEEE working group will serve as a national/international oversight committee to help expand the project to other regions and IEEE entities

The Region 3 MDC will be asking local IEEE sections and technical society chapters, along with business, educational and government organizations, to participate in the Pilot Project. Some of the local IEEE entities we plan to ask to become involved include:

- Atlanta Section, its MD Committee and GOLD Committees
- Atlanta Chapter of the IEEE Communications Society
- Atlanta Chapter of the IEEE Power Engineering Society
- East Tennessee/Oak Ridge Section
- Atlanta Section
- Alabama Section
- Mississippi Section
- Eastern North Carolina & Charlotte Sections
- Florida, Canaveral Section/Florida West Coast/Jacksonville -Kentucky, Louisville Section/Lexington Section
- Virginia/Richmond Chapter of the Components, Packaging and Manufacturing Technology Society

If you have not heard from us, be on the alert and be thinking about how your Section can benefit, initially and ongoing, from being involved in the Corporate Relations Pilot Project. Time and budget considerations may require us to trim the list. However, if your entity is not on the list and you want to become involved early, contact me and we will explore the possibility

### *Membership Development Committee Vice Chairs*

Region 3 Director, Dale Caston, approved the appointment of two vice chairs for the Membership Development Committee for 1999. Marvin Neiditz will continue as MDC Vice Chair and will coordinate the "regular" Regional Membership Development activities with sections during 1999. Kathy Drevik has agreed to serve as MDC Vice Chair and will focus her efforts on keeping the Corporate Relations Pilot Project moving and on schedule.

### *Check On Our Progress and Work Along With Us*

The MD Committee's plans and working documents will be available for review and comment on the web. John Conrad set up a temporary web site: <http://members.tripod.com/WindsorEng/>. As you view the documents located at this temporary site, keep in mind that most are drafts and working documents. They do not represent final decisions or final products. View and use them accordingly.

Don't wait for us to ask for your help—volunteer to help with ideas, contacts, visits to employers, publicity, examples of successful corporate relations activities. Send us your comments and suggestions.

## STRATEGIC PLANNING

*Bob Duggan*



The Institute, IEEE-USA, and RAB have now completed their respective Strategic Plans. Where feasible, our Region 3 Plan supports and complements these larger umbrella plans. At their October meeting in Jackson, MS the ExCom approved the Region 3 Plan.

Subsequent to our October meeting, the Strategic Planning Committee (SPC) has undertaken a special project—an "e-

Retreat" on the future priorities of Region 3. With everything being handled by e-mail, budget savings are significant. Project leader Bill Redcliff has generated thought provoking questions, with numerous responses and inputs from SPC and ExCom members. Several phases are underway with the results (ranked priorities for the Region) expected by the late January SPC and ExCom meetings. The results will of course be shared with the ExCom. The methodology is available to any interested IEEE group.

As we review 1998 and look forward to 1999, your SPC appreciates your support and suggestions in helping Region 3 continue to lead the Institute in planning, in new initiatives, and above all in meeting the needs and aspirations of our members.

## STUDENT ACTIVITIES



*Pat Donohoe*

SoutheastCon '99 is just around the corner (March 26-29 in Lexington, Kentucky). The host branch at the University of Kentucky has been working hard in preparation for a great

Region 3 Student Conference. Student Branches should start making plans to attend SoutheastCon '99 and participate in student activities such as the Student Hardware Competition ("A Grand Tour of Kentucky"), the Student Paper Competition, the Student Software Competition, the Webpage Competition, Branch Chairs Workshop and Branch Counselors Workshop. You can find more information about these activities by visiting the SoutheastCon '99 website at "[http://www.engr.uky.edu/student.orgs/IEEE/SouthEastCON\\_99/](http://www.engr.uky.edu/student.orgs/IEEE/SouthEastCON_99/)". Region 3 will partially support the travel expenses of Student Branches to participate in SoutheastCon '99. The reimbursement details are as follows:

Student Branch Mileage (1 vehicle round-trip @ 32.56/mile)

Branch Chair per diem (2.5 days @ \$35/day)

Branch Counselor per diem (2.5 days @ \$35/day)

Branch Paper Competition entrant (one person, 2.5 days @ \$35/day)

The Branch Chair and Branch Counselor reimbursements are contingent upon attendance at the Branch Chairs and Branch Counselors Workshops, respectively. Start making your plans to attend SoutheastCon '99 now.

## COMMUNICATIONS

Lee Stogner



Information has become the basis

for the new world economy. It is now estimated that 40% of all new business development goes into information systems technology. You can see evidence of this investment in your company and community by the large numbers of computers, networks and telecom systems that it takes to connect us together. Sometimes this technology comes back to haunt us as in the Year 2000 problem but that is the subject of another column. My point is that all of this technology that electrical engineers has given the world is nothing unless we make creative use of the language and information that we push through our connected world. In Region 3 we now have a BBS, e-mail distribution lists and a Web Page. We also have a number of newsletters that bring focus to local activities.

During 1999 I would like to challenge the membership in Region 3 to make increased use of these channels to share information. Examples of this information could include,

- IEEE Meetings and Conferences
- Educational classes
- Career issues and especially opportunities

- Outside issues that affect EE's

- EE successes that the world needs to know about

- Information that needs a fast reaction from the membership

Yes, you can argue that this information already goes out to the membership, but often it is hard to find or goes to a selected distribution or gets lost. I would like to hear feedback from you on how you receive IEEE information and if you think the process works. I also realize that not all of us have equal access and training in art of communications. To help us reach our communications potential, we need to share better what we all know. One step in this process will be to collect your inputs and develop documentation, training and tools. I could even envision a training program during SoutheastCon complete with tools and workshops. Please let me know what you think. I'm looking forward to your ideas and help.

## CONGRESS APPROVES H-1B VISA INCREASE

On October 21, 1998, President Clinton signed into law the American Competitiveness and Workforce Improvement Act (ACWIA). The new law was passed in response to claims from business and educational organizations that the nation faces serious shortages of information technology workers. It makes major changes in laws governing the admission of foreign nationals to work temporarily in the United States on H-1B visas.

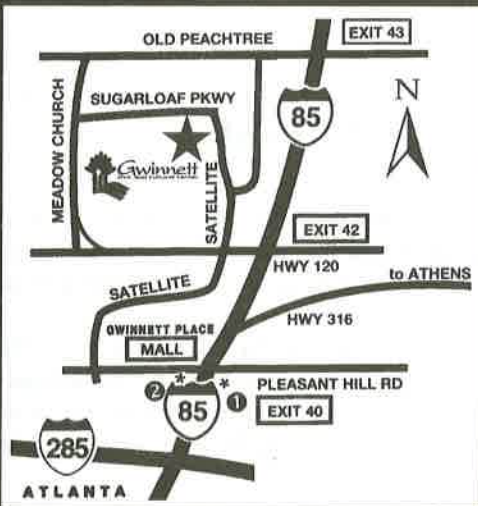
The new law provides for a three-year increase in H-1B admissions from 65,000 per year under prior law to 115,000 in FY 1999; 115,000 in FY 2000 and 17,500 in FY 2001. It also establishes a new \$500 per petition filing fee for businesses to fund scholarships in math, engineering and computer science; retraining for displaced workers and pay for improved program administration and enforcement. And it increases monetary penalties on employers of H-1B workers that file fraudulent applications or violate other provisions of the law.

Under pressure from IEEE-USA and other groups, Congress also enacted worker safeguard provisions to ensure that the admission of foreign nationals on H-1B visas does not adversely affect job opportunities and compensation for U.S. workers. Under these provisions, some employers who wish to hire H-1B workers will have to affirm that they have tried to recruit similarly skilled American workers and that they have not displaced American workers before they hire foreign workers. Unfortunately, the recruitment and retention requirements will only apply to a handful of so-called "H-1B dependent" companies.

IEEE-USA and other organizations representing engineers, computer scientists and health care providers opposed enactment of the new law on the grounds that IT worker shortage claims were overstated and because of concerns about the limited applicability of the worker safeguards.

IEEE-USA will support needed reforms in the nation's immigration laws through legislative and regulatory actions designed to safeguard jobs, wages and working conditions for U.S. workers (including citizens, legal permanent residents and temporary foreign workers) and promote full utilization of the nation's engineering resources during the new Congress.





**April 13-15, 1999**  
Gwinnett Civic and Cultural Center  
6400 Sugarloaf Parkway  
Duluth (Atlanta), Georgia



## **SOUTHCON/99 ELECTRONICS TRADE EVENT HEADS FOR GEORGIA'S HIGH-TECH MARKETPLACE**

**A**s proud sponsors of the 19th annual Southcon electronics trade conference and exhibition, Region 3 is pleased to announce that Southcon/99 will make its official Duluth, Georgia debut on April 13 - 15, 1999, at the Gwinnett Civic & Cultural Center. IEEE members won't want to miss this important industry event, which co-locates with Atlanta SMTA Expo — a one-day trade show on April 15.

Southcon/99 is in a unique position as the largest regional OEM technology event serving multiple high-tech industry sectors in the southeastern U.S. Specifically, Southcon/99 is a convenient, all-inclusive component technology resource for engineers involved in design, R&D, test, QC/QA, manufacturing and purchasing for the region's communications, computer, electronics and aerospace industries.

The information that follows provides you with a snapshot look at the exciting exhibits, industry events and technical conference programs planned for Southcon/99. There is also a convenient registration form enclosed with this issue. See you at the show!

James Beall  
Past Regional Director  
Southcon/99 Board of Directors

[www.southcon.com](http://www.southcon.com)

# See and Hear What You Can't Get From Ads, by Mail or the Internet



## Daily Planner

### Professional Development

Individual development continues to gain importance as the availability of talent in the technical work force becomes increasingly tighter. Here are just a few of the things planned to help you better meet your company's business objectives.

### See, Touch and Compare... over 200 Exhibits featuring:

- Active & Passive Components
- Board-Level Products
- Power Sources
- Semiconductors, ICs
- Test & Measurement Equipment
- EDA Tools & Software
- Production Equipment, Services and Supplies
- Network Equipment & Software
- Contract Services

### The Southeast's Largest Technology Event for

- Electronic Systems/ Board Level Designers
- Electro-Mechanical Engineers
- Manufacturing Engineers
- Test Engineers
- Software Engineers
- Purchasing Professionals
- Technical Management
- Industry Executives

### Held Concurrently with



### Conference and Exposition

On Thursday, April 15, Atlanta SMTA Expo will co-locate with Southcon/99 for a special one day exhibition of some of the most advanced surface mount equipment, materials and supplies. Southcon attendees can visit the SMTA exhibits at no additional charge. Exhibits open from 10:30 am - 4 pm.

**April 13-15, 1999**  
Gwinnett Civic and Cultural Center  
Duluth (Atlanta), Georgia

Special Events	Course #	Fee	Tues April 13		Wed April 14		Thur April 15	
			am	pm	am	pm	am	pm
<b>Southcon Exhibits</b>								
Keynote Breakfast – Malcolm Baldrige Award Criteria: Solectron's Roadmap to Success Dr. Thomas N. Kennedy, Vice President, Quality, Solectron California	K1	\$15	■					
Plenary – Emergence and Benefits of Outsourcing, G. Robert Hawkins, Vice President/General Manager, Solectron, Georgia	P1	N/C			■			
<b>Technical Conference</b>								
Analog Electronics (6 Hours)	TC1	\$245	■	■				
Designing & Executing Successful Industrial Experiments (7 Hours)	TC2	\$245					■	■
Digital Cellular Standards: Fundamentals & Air Interface (3 Hours)	TC3	\$125				■		
EMC System Engineering (6 Hours)	TC4	\$245	■	■				
EMC Printed Circuit Board Design (3 Hours)	TC5	\$125			■			
Microcontrollers – Part I (3 Hours)	TC6	\$50					■	
Microcontrollers – Part II (3 Hours)	TC7	\$50						■
Signal Integrity: Intrasystem EMC Design Fundamentals (3 Hours)	TC8	\$125				■		
SMT Soldering: Materials, Processes and Equipment (6 Hours)	TC9	\$245	■	■				
SMT Solder Paste Evaluation and Qualification (3 Hours)	TC10	\$125			■			
SMT Troubleshooting (3 Hours)	TC11	\$125				■		
<b>Management Conference</b>								
Basic Electronics (6 Hours)	MC1	\$195	■	■				
Lean Manufacturing (6 Hours)	MC2	\$145			■	■		
Operations Assessment (3 Hours)	MC3	\$75					■	
Quick Response Manufacturing (7 Hours)	MC4	\$195	■	■				
Semiconductor Basics (6 Hours)	MC5	\$195			■	■		
<b>Purchasing Conference</b>								
Internet, WWW & Purchasing: Maximizing Productivity & Profitability (3 Hours)	PC1	\$75*		■				
Legal Aspects of Purchasing (6 Hours)	PC2	\$145*					■	■
Negotiation: Fads, Fears, Facts and Fallacies (6 Hours)	PC3	\$145*			■	■		
<b>SMTA Special Events</b>								
SMTA Exhibits		N/C					■	■
Considerations in Outsourcing SMT to Contract Assembly (4 Hours)	SP1	\$99/\$159**					■	

\*NAPM Special offer – register for more than one Purchasing Conference Event, PC1, PC2, or PC3, and save \$25 per course. (This special offer applies only to Purchasing Conference events.)

\*\*\$99 SMTA, IEEE and ERA Members - \$159 Nonmembers.

Go to [www.southcon.com](http://www.southcon.com) for complete details (including exact start-end times) and registration form.

Early registration prices shown are effective through March 25, 1999. Beginning March 26, "TC" and "MC" prices increase by \$50 each.

*Special Assistance: If you require special assistance covered under the Americans with Disabilities Act, please call (310) 215-3976, Ext. 244 by April 6, 1999.*

Conference Hours	Exhibit Hours
Tuesday 8:00 am - 5:00 pm	10:00 am - 5:00 pm
Wednesday 9:00 am - 5:00 pm	8:00 am - 3:00 pm
Thursday 9:00 am - 5:00 pm (SMTA – 8:00 am - Noon)	10:00 am - 4:00 pm (SMTA - 10:30 am - 4:00 pm)

**For Course Details, or to REGISTER:  
CALL 800-877-2668 or 310-215-3976 ext. 244**

**Register On-Line  
[www.southcon.com](http://www.southcon.com)**

## Keynote Breakfast (K1)

### "Malcolm Baldrige Award Criteria: Solectron's Roadmap to Success"



*Speaker: Dr. Thomas N. Kennedy, Vice President, Quality, Solectron California*

**Date:** Tuesday, April 13  
**Time:** 8 a.m. - 9:30 a.m.  
**Fee:** \$15

In 1989, Solectron adopted the Baldrige Award criteria as a roadmap for the company. The company has used a combination of internal and external assessments to meet the criteria and improve process capability and customer satisfaction.

By applying the Baldrige criteria, Solectron's revenue has increased at an average annual compound growth rate in excess of fifty percent during the last ten years. Further, Solectron's customers have recognized the company with more than 140 superior service awards.

In his address, Dr. Kennedy will describe the valuable lessons learned from the Baldrige experience.

## Plenary Event (P1)

### "Emergence and Benefits of Outsourcing"



*Speaker: G. Robert Hawkins, Vice President and General Manager Solectron Georgia*

**Date:** Wednesday, April 14  
**Time:** 9:00 a.m. - 11 a.m.  
**Fee:** No Charge to Attend

The manufacturing industry is changing. Contract manufacturers now offer an array of services ranging from design to supply chain management, manufacture, delivery and after sales support on a global scale.

Many OEMs question the cost-effectiveness of manufacturing their own products and have turned to contract manufacturers for support. Industry forecasts indicate that contract manufacturing is expected to grow twenty-five percent per year for the next few years.

Mr. Hawkins will discuss the benefits of outsourcing and provide a look at what the future holds for this dynamic industry.

## Purchasing Conference Series

(PC1)

### "Internet and WWW: Maximizing Productivity and Profitability"

*Speaker: Charles A. Belisle, President, Chrysalis Enterprises*

**Date:** Tuesday, April 13  
**Time:** 2:00 p.m. - 5 p.m.  
**Fee:** \$75

(PC2) "Legal Aspects of Purchasing"

*Speaker: Preston J. Leavitt, Ph.D., J.D., C.P.M.*

**Date:** Thursday, April 15  
**Time:** 9:00 a.m. - 5 p.m.  
**Fee:** \$145

(PC3) "Fads, Fears, Facts and Fallacies"

*Speaker: Preston J. Leavitt, Ph.D., J.D., C.P.M.*

**Date:** Wednesday, April 14  
**Time:** 9:00 a.m. - 5 p.m.  
**Fee:** \$145

## See the Latest Product Innovations from these Companies

(partial list as of December 18, 1998)

ADI American Distributors, Inc.	Hallmark Technologies, Inc.	Phoenix Contact
Advanced Components Industries, Inc.	Hamamatsu Corporation	Photocircuits Corporation
AFcom Inc.	Hardware Specialty Co., Inc.	Power Components International
American Precision Ind./Delevan Division	Harting Elektronik, Inc. of No. America	Power Electronics Ltd.
APM Division of Amesbury Group	Harwin Incorporated	Praegitzer Industries, Inc.
Asia Wintek	Holophase Inc.	Promptus Electronic Hardware Inc.
Astron-A.T. Corporation	Hypertronics, Inc.	RA Sales
BREL International Components	IEEE	Rainbow Sales, Inc. /RSI Power
Bussmann, Division / Cooper Industries	Illinois Lock Company	Resource Electronics
C & K Components, Inc.	Inductor Supply	Semikron, Inc.
Cartwright & Bean Inc.	Impelli Purification Tech	Schlegel Systems, Inc.
Century Fasteners Corporation	Interconnect Systems, Inc. (ISI)	Siemens Electromechanical Components
CET TECHNOLOGY, Inc.	Intertek Testing Services	Siemens Energy & Automation, Inc.
Cincinnati Sub-Zero Products	Jauch	Sigma Electronics Inc
Citizen America	J-Tech Crystals & Components	Sillcon Valley Printed Circuits
Com-Kyl	KBK Electronics, Inc.	Simmons Chemical Corporation
CompuLink Cable Assemblies, Inc.	KG Components	Skynet Electronic Co.
Conductive Containers, Inc./CCI	Kimco	Solid State Inc.
Connor Formed Metal Products	Kingbright USA Corp.	Southern Micro Etch, Inc.
Control Design Supply, Inc.	K-TEK	Speedy - Tech Electronics
CP&F Inc. (Currie, Peak & Frasier, Inc.)	Linemaster Switch Corporation	Standard Pneumatic & Electric Tool Co.
Creation Technologies, Inc.	Low Key Corporation	Standard Rubber Products
Current Solutions, Inc.	LPKF Laser & Electronics Inc.	Tamura Corporation of America
DA/PRO Rubber, Inc.	M&M Aerospace Hardware, Inc.	Technical Materials, Inc.
Data Delay Devices	Matrix Marketing Inc.	Tecknit, Inc.
D.B. Roberts	Magnetics, Div. of Spang	Teledyne Electronic Technologies
Decimal Engineering, Inc.	Mektec Corporation	Taltronics, Inc.
Dynamic Details, Inc.	Mercury Unlimited	TOCOS America
ebm Industries	Meritek Electronics	Topflight Corporation
EIS	Microsemi PPC, Inc.	Torold Corp. of Maryland
Electronic Devices, Inc.	MicroSpec, Inc.	Trompeter
ElectroPac Co., Inc	Midwest Printed Circuit Services	Tropic Fasteners, Inc.
Eimec Manufacturing	Mouser Electronics	U.S. Crystal Corp.
Everbouquet Int'l Co., Ltd.	New England Electric Wire Corp.	U.S. Tech
ESEC	Nor Comp	WAGO Corp.
Florida Metal Stampings, Inc.	NRT Contract Mfg. / Nat'l. Res. Tech.	Warren GV / General Signal Corp.
Fosta-Tek Optics, Inc.	Olympic Circuits Canada, Inc.	Westak
Fujipoly America Corporation	Omnetics Connector Corp.	Xantrex
Fuses Unlimited	Optical Polymers International	Yokogawa of America
Gold Coast Circuits	PACE, Inc.	Zippertubing Co.
GWS, Inc.	Panel Components Corporation	Ziptape Identification System
Haewa Corporation	Par Metal Products	

## SMTA Exhibitors (Thursday April 15 only)

ACT Mfg.	EIS	Kester	Prime Tech
AIM	Electrum Recovery	Lindstrom	Process Controls
Amistar Corp	EMC Technology	Locitte	Solder Tech
ASAP	Eric Moen	Lupton Assoc.	Specialty Coating, Alpha
ATI American Beauty	Excel Temporary Agcy	Marshall Industries	Stone Mountain Tool
Atlanta SMTA	Fortune Personnel	Martec, Inc.	Techni-tool
Automation Group	Gardner Meridith	Master Heat Gun,	Technical Circuits
BJR	Georgla Tech	MPM	Thomas Technology
Circuits Assembly Mag	Gwinnett Tech	Mydata	Universal Instruments
Cooper Tools	Hisco	Nextek	Vision Engineering
Datapaq	ITT Precision Etch,	PACE	Vitronics
Edsyn, Simonds	J.M. Gammer	Panasonic	W.H. Brady
Effective Marketing Force	Kahnetics	Phillips EMT	Z-Mar Technology

April 13-15, 1999 • Gwinnett Civic and Cultural Center • Duluth (Atlanta), Georgia

For Course Details, Call 800-877-2668 or 310-215-3976 ext. 244



**Mail to:** Southcon/99  
8110 Airport Blvd.  
Los Angeles, CA 90045-3194

(or)  
**Fax to:** (310) 641-5117, JoAnn Lindberg  
(or)  
**Electronically:** www.southcon.com

**Method of Payment for**

Technical Conference and Special Events  
(No refunds after 4/6/99, however, you may send a substitute in your place)

\_\_\_\_\_ Check is included  
(payable to Southcon '99).

\_\_\_\_\_ Check will be mailed  
with a copy of this form

\_\_\_\_\_ I agree to pay the grand total amount  
according to my credit card issuer

VISA MC AMEX (circle one)

Card No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Name (Signature) \_\_\_\_\_

Name (Printed as it appears on card) \_\_\_\_\_

Please note: Your credit card statement will show  
"Electronic Conventions Management" as the payee -  
not "Southcon '99".

Special Assistance: If you require special assistance  
covered under the Americans with Disabilities Act,  
please call (310) 215-3976, Ext. 244 by April 6, 1999.

1. Persons under 16 years of age not admitted, Students 16 or older admitted on Thursday, April 15, only.

First Name		Last Name	
Job Title		E-mail	
Company			
Mailing Address			
City	State	Zip	Country
Telephone		Fax	

**2. Principal Job Function**  
(check only one)

- AA Engineer - Design
- AB Engineer - Manufacturing
- AC Engineer - Quality/Test
- AD Engineering Services
- AE Engineering Management
- AF Corporate/General Management
- AG Press
- AH Purchasing/Procurement
- AJ Marketing/Sales
- AK Student/Educator
- AL Other

**3. What is the Primary End Product**  
at this location? (check only one)

- CA Communication Systems
- CB Components/Materials/Hardware Supplies
- CC Computers/Systems and Sub-systems
- CD Consumer Products, Automotive & Appliances
- CE Contract Services -Design/Manufacturing/Test/IC Foundry etc.
- CF Controls
- CG Military/Government/Avionics
- CH Medical Electronics
- CJ Semiconductors/ICs
- CK Test/Measurement/Inspection
- CL Distributors
- CM Other

**4. Product Interest - Which of the following do you specify, recommend, approve, purchase**  
or influence the purchase of? (check all that apply)

- BA ASICs, PLDs, FPGAs
- BB Board Level Products
- BC Semiconductors/ICs
- BD Components other than IC's
- BE Computers/Peripherals/Software
- BF Contract Services -Design/Manufacturing/Test.
- BG EDA Tools & Engineering Software
- BH Interconnection Devices
- BJ Laser & Electro-Optical Devices
- BK Microwave Components
- BL Packaging Hardware/Enclosures
- BM Power Sources
- BN Production Equipment
- BP Production Tools & Supplies
- BQ Sensors & Transducers
- BR System Boards
- BS Test & Measurement Equipment
- BT Other

**5. Years Involved in Industry**

- DA 1 - 2
- DB 3 - 5
- DC 6 - 9
- DD 10 or more

**6. Size of your organization**

- |               |                             |                  |  |
|---------------|-----------------------------|------------------|--|
| 1 - 49        | <input type="checkbox"/> FA | At Your Location | <input type="checkbox"/> In Entire Company |
| 50 - 99       | <input type="checkbox"/> EC |                  | <input type="checkbox"/> EB                |
| 100 - 499     | <input type="checkbox"/> EE |                  | <input type="checkbox"/> ED                |
| 500 - 999     | <input type="checkbox"/> EG |                  | <input type="checkbox"/> EF                |
| 1,000 or more | <input type="checkbox"/> EI |                  | <input type="checkbox"/> EH                |
|               |                             |                  | <input type="checkbox"/> EJ                |

9-90140

- \_\_\_\_\_ Southcon Exhibits (Tues., Wed., Thurs.) No Charge
- \_\_\_\_\_ SMTA Exhibits (Thurs.) No Charge  
(Free to advance registrants - \$10 if you register on-site)
- \_\_\_\_\_ Keynote - Tues., April 13 - 8 am to 9:30 am \$15  
(includes buffet-style breakfast)
- \_\_\_\_\_ Plenary - Wed., April 14 - 9 am to 10:30 am No Charge

**Technical Conference** On March 26, "TC" events increase by \$50 each.  
**Register early and \$ave.**

- \_\_\_\_\_ TC1 Analog Electronic Design Tues. \$245
- \_\_\_\_\_ TC2 Designing and Executing Successful Industrial Experiments Thurs. 245
- \_\_\_\_\_ TC3 Digital Cellular Standards: Fundamentals and Air Interface Wed. \$125
- \_\_\_\_\_ TC4 EMC System Engineering Tues. \$245
- \_\_\_\_\_ TC5 EMC Printed Circuit Board Design Wed. \$125
- \_\_\_\_\_ TC6 Microcontrollers - Part I Thurs. \$50
- \_\_\_\_\_ TC7 Microcontrollers - Part II Thurs. \$50
- \_\_\_\_\_ TC8 Signal Integrity: Intrasystem EMC Design Fundamentals Wed. \$125
- \_\_\_\_\_ TC9 SMT Soldering: Materials, Processes and Equipment Tues. \$245
- \_\_\_\_\_ TC10 SMT Solder Paste Evaluation and Qualification Wed. \$125
- \_\_\_\_\_ TC11 SMT Troubleshooting Wed. \$125

**Management Conference** On March 26, "MC" events increase by \$50 each.  
**Register early and \$ave.**

- \_\_\_\_\_ MC1 Basic Electronics for Non-Engineers Tues. \$195
- \_\_\_\_\_ MC2 Lean Manufacturing Wed. \$145
- \_\_\_\_\_ MC3 Operations Assessment Thurs. \$75
- \_\_\_\_\_ MC4 Quick Response Manufacturing Tues. \$195
- \_\_\_\_\_ MC5 Semiconductor Basics for Non-Engineers Wed. \$195

**Purchasing Conference**

- \_\_\_\_\_ PC1 Internet, WWW & Purchasing: Maximizing Productivity & Profitability Tues. \$75\*
- \_\_\_\_\_ PC2 Legal Aspects of Purchasing Thurs. \$145\*
- \_\_\_\_\_ PC3 Negotiation: Fads, Fears, Facts & Fallacies Wed. \$145\*

\*NAPM Special offer - register for more than one NAPM event and save \$25 per event. This special offer applies only to Purchasing Conference events (PC1, PC2, PC3).

**SMTA Special Event**

- \_\_\_\_\_ SP1 Considerations in Outsourcing SMT to Contract Assembly Thurs. \$99/\$159\*\*

\*\*SMTA/IEEE/ERA Members/Nonmembers

**Grand Total**

\$ \_\_\_\_\_

# CLOSING REMARKS ON A GREAT YEAR

## *JOSEPH BORDOGNA 1998 IEEE PRESIDENT*

At my last Board meeting as Chair, I made a few remarks attendant with the "crystal" expression of my gratitude to you for an exciting set of Board meetings and other formal and informal interactions I have enjoyed with you during my year as President. I also followed up at my last Executive Committee meeting as Chair with additional remarks offering a challenge for IEEE's future derived from our experiences of the past year with the well-wrought strategic construct developed by our Strategic Planning Committee. I should like to present here an integrated statement of these remarks both as a closing statement to my presidency with you and a formal thank you for your wonderful collegiality and friendship during 1998.

The future for the IEEE will be kinetic. As the clock speeds forward to the 21st century, change has become robust. It is increasingly difficult to pace our progress since serious inflection points abound along the way. Nonetheless, embracing change as our trusted companion, shaping it to our purpose, and riding its high wave capably is the way to meet the new days ahead. Being perceptive, ready, adaptive, agile, and engaging sets a confident stride. Linking and sharing in many ways among the various IEEE entities creates synergy and wholesomeness that can lead to meaning and enterprise. Adjusting processes within a strategic context and building strength around diversity define the hallmarks of the 21st Century IEEE. In this context, the notion of a fast-paced IEEE comfortably responsive to the instant-acting marketplace of fresh ideas leads us to realize an IEEE that creatively transforms itself continuously. We can bring the IEEE's great diversity synergistically to life if we all pursue our individual and sub-group innovations on behalf of the entire enterprise and consonant with its strategic purpose. A focus on strategic purpose will yield unprecedented opportunities, many not yet even contemplated, and will lift us beyond the immediate horizon to see the whole picture in new and unexpected ways.

Is there a corporate purpose that distinguishes the whole, that optimally integrates its parts? Yes, it is the organization's holistic vision as a worldwide organization dedicated to furthering the discovery of major technological breakthroughs and their application for the benefit of society. Through its intellectual depth, diverse scope, grand scale, and notable integrity, the IEEE contributes to its members' and the world's capacities to prosper within continuous change. These shared principles are displayed in the daily behavior of its members and groups (both volunteer and staff), each thinking strategically with its every action. Swift action on the new opportunities of each 21st century day will position the IEEE to differ dramatically from the average and prevent its becoming a commodity organization and thus uninteresting. In the marketplace of ideas and outcomes, the letters IEEE will shout out the Institute's purpose, its excellence, its credibility, its corporate values, and its distinguished parts. Seeing the letters IEEE will create an image of an exemplary, inspiring, global engineering society, one which is truly "networking the world" and acting vigorously as a "catalyst for global innovation."

I extend to all of you my warm regards and best wishes for a wonderful future and express my sincerest appreciation for your collegiality this year. It has been a great honor to serve as your President, a highlight of my career. As a memento of comradeship I leave you with a crystal of excellent technology, clean design, and fine manufacture to remind us daily of our focus on innovation, clarity of purpose, inclusiveness, and global character. Thank you.

# 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 at no cost to IEEE members. The ETI Database v2.0 is now accessible via the World Wide Web at <<http://www.ieee.org/eti>>, the database contains a listing of over 47,000 electro-technology companies along with approximately 150,000 points of contact.

For Employment Assistance Information contact Don Hill, Region 3 Professional Activities Operation Chair at <[d.w.hill@ieee.org](mailto:d.w.hill@ieee.org)>. Specific questions regarding system operation should be addressed to, David Green at <[d.green@ieee.org](mailto:d.green@ieee.org)>.

## *ETI DATABASE USERS - ADDRESS CHANGE*

Please note, the Internet e-mail address for accessing the ETI Database System has been discontinued. System access is only available via the world wide web at, <<http://www.ieee.org/eti>> or the old address at <<http://www.sandbox.ieee.org/ro3/eti>>.

## *EMPLOYMENT SERVICE "USER CARDS" AVAILABLE*

Contact your local PACE Representative and request an Electro-Technology Industry (ETI) Database "User Card". The handy reference, business-size cards contain ETI Database World Wide Web access information. Contact Mr. George F. McClure at <[g.mcclure@ieee.org](mailto:g.mcclure@ieee.org)>.

## STUDENT BRANCH VOLUNTEERS NEEDED - SPECIAL PROJECT SUPPORT

If your Region 3 Student Branch is interested in supporting a Region 3 member service Special Project, contact the Region 3 Student Activities Committee Chair, Professor Pat Donohoe, at <[j.donohoe@ieee.org](mailto:j.donohoe@ieee.org)>, Region 3 Student Representative Ms. Joey Duvall at <[j.duvall@ieee.org](mailto:j.duvall@ieee.org)>, or Region 3 Special Projects Coordinator Vernon Powers at <[v.powers@ieee.org](mailto:v.powers@ieee.org)>.

## REGION 3 STUDENT MEMBERSHIP PROJECT CHAMPIONED BY RAB STUDENT SERVICES

The 1998 Student Membership Initiative (SMI)-Phase 2 Special Project, a subtask of the Region 3 Electro-Technology Industry Database Special Project was completed in August 1998 by the IEEE Regional Activities Department (RAD) Student Services. Supporting RAD Student Services was the University of Alabama at Birmingham (UAB) IEEE Student Branch, the Branch Counselor, David Green and the ETI Database Operating Committee.

The Region 3 SMI project is an innovative approach toward reversing the decline in US student membership while publicizing our ETI Database to all US student members. The project offers undergraduate and graduate students an employment service not normally available without significant cost.

The SMI-Phase 2 was similar in scope as Phase 1 completed by the University of Alabama at Birmingham (UAB) IEEE Student Branch in early January 1998. Phase 2 promotional materials provided by Region 3 was included in the August Student Activities Department mailing to all Region 1-6 Branch Counselors and Branch Chairs. The project was coordinated by Ms. Laura Durrett, Manager RAD Student Services.

The results of the student membership promotion has contributed significantly in reversing the decline of student membership in the US and has resulted in a positive growth in all US Regions 1998, the first in over six years. The Student Membership Initiative is an excellent example of a member service/product developed in Region 3, transferred to an Institute sponsor and promoted Institute wide. If you have questions regarding the Student Membership Initiative contact Ms. Laura Durrett, Manager Student Services at <[l.durrett@ieee.org](mailto:l.durrett@ieee.org)> or Vernon Powers, Region 3 Special Projects Coordinator at <[v.powers@ieee.org](mailto:v.powers@ieee.org)>.

## PROFESSIONAL ACTIVITIES- "FOR YOUR INFORMATION (FYI)"

Privately owned high-tech companies with under 1,000 employees continue to out perform other business sectors, creating a large and lucrative market for a broad range of goods and services. The 3,235 privately owned companies Corporate Technology interviewed\* reported a job growth rate of 6.3% in the last year and projected a 9.7% job growth rate over the next twelve months. Regions projecting a 7+% job growth rate are Regions 1, 5, and 6. Industries projecting a 7+% growth rate are telecomm and computer software/hardware.

IEEE members have free access to the ETI Database System which contains data on the above 3,235 companies surveyed plus thousands more privately and public owned companies. Access the ETI Database at URL address, <<http://www.ieee.org/eti>>.

\* November issue (No. 74) of the Corporate Technology (CorpTech), Technology Industry Growth Forecaster.



## **REGION 3 MEMBERS RECEIVE IEEE-USA AWARDS**

Four members of Region 3 were honored with IEEE-USA awards last September. The awards were presented at the 1998 IEEE-USA Professional Activities Conference held in Phoenix, Arizona. A complete listing of the awards conferred by IEEE-USA this year is located at <http://www.ieee.org/usab/AWARDS/98awards.html>. In addition, the award descriptions are at <http://www.ieee.org/usab/AWARDS/>

### **CITATION OF HONOR - WALTER L. ELDEN**

For his effective leadership, as well as personal contributions, in the area of professional ethics, and his work on disseminating information on ethics via the Web.

This award honors members who have made exemplary contributions toward achieving the aims of professional activities in the United States. Selection is based on outstanding dedication and efforts, and successful accomplishments and achievements in advancing the social, economic, legal, and ethical objectives of the profession and thus securing recognition of IEEE professional activities in the United States.

### **PROFESSIONAL ACHIEVEMENT - DAVID G. GREEN**

For his leadership in the development of the 1997 ETI (Electro-Technology Industry) Database Student Membership Initiative project to promote student membership and the national company database.

This award recognizes significant specific contributions, achievements and individual efforts in the development and implementation of professional activities in the United States. Selection is based on the dedication, effort and quality of an accomplishment achieved on individual effort in the development and implementation of professional activities in the United States.

**Region 3 members who received awards at the 1998 IEEE-USA Professional Activities Conference include (from left) Walter L. Elden, David G. Green, and Michael A. Stroschio.**



### **PROFESSIONAL ACHIEVEMENT - MICHAEL P. STARK**

For his role in rejuvenating professional activities for the Hampton Roads Section, with an ongoing series of workshops on professional issues.

This award recognizes significant specific contributions, achievements and individual efforts in the development and implementation of professional activities in the United States. Selection is based on the dedication, effort and quality of an accomplishment achieved on individual effort in the development and implementation of professional activities in the United States.

### **HARRY DIAMOND MEMORIAL AWARD - MICHAEL A. STROSCIO, PRINCIPAL SCIENTIST, US ARMY RESEARCH OFFICE**

For pioneering contributions to phonon engineering in electronic structures, for seminal contributions to understand relativistic laser-plasma interactions, and for leadership in establishing research programs.

This award recognizes individuals for distinguished technical contributions in the field of electrotechnology while in U.S. government service.

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# SECTIONS CONGRESS '99

## LAST SECTIONS CONGRESS OF THE TWENTIETH CENTURY

OCTOBER 8-11, 1999

MINNEAPOLIS HILTON, MINNEAPOLIS, MINNESOTA

*DANIEL W. JACKSON, SC '99 COORDINATOR*

Sections Congress '99 is less than one year away; October 8 - 11, 1999 in Minneapolis, MN. The program is well underway and will have 84 sessions covering 42 different topics, each of which is valuable in organizing and running successful Sections and Chapters. These topics, for which speakers are now being recruited, are organized into four groups, Successful Sections and Chapters, Serving Professional Needs, Growing Membership, and a general group. Every Section in the world is expected to send one primary delegate who will receive partial funding from the Regional Activities Board. Region 3 will provide additional assistance for its sections with the expectation that each Section provide its share, estimated to be about \$400.

Chapters, also, are encouraged to send delegates but these will not receive funding assistance from RAB or the Region. Their funds could come from the Chapter, the parent Technical Society, the Section, or outside sources. Additional delegates are welcome as well, but these delegates must find full funding for the Congress, approximately \$1000 plus airfare.

This is the sixth triennial Sections Congress, and each has built upon the success of the previous Congress. Not only is it an opportunity for all those attending to become much more knowledgeable about IEEE and how to run a successful section or chapter, but to meet and discuss mutual concerns with engineers from around the world. You will really feel that IEEE is a global organization while at the Congress. In addition, the delegates will have the opportunity to express their concerns to the Board of Directors and the IEEE officers regarding the course of the IEEE during the next three years. If past history holds true, there will be approximately two or three dozen prioritized recommendations as output from the closing session. Many past recommendations are now in place in IEEE operations. Guaranteed, recommendations from SC'99 will be used by the Board to guide the Institute as we enter the 21st century.

Everyone I have met who attended a previous Sections Congress came home very enthusiastic. Don't let this opportunity pass you by. Make sure your Section sends at least one delegate.

For more information contact Dan Jackson <d.jackson@ieee.org> or Mary Ann Hoffman <m.a.hoffman@ieee.org>, phone 732-562-5506.



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