

IEEE

Region 8 News

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Europe, Middle-east and Africa



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From the Director

Dr Maurice
Papo

*We can be proud,
But let us not forget the challenges!*

At times the obvious deserves repetition. The IEEE would be nothing without its members! Unfortunately the US regions as a whole have been showing a constant decline in membership. According to the latest progress report published by Membership Development, Region 8 can be proud of its healthy growth in membership - 7% compared with the same month last year. With 32,676 members (not counting affiliates) or 11.3% of the total Institute membership, Region 8 has in one year contributed 46% of the total growth; we can be proud of that.

GOLD. I do not have easy access to the birthday data that the IEEE carries in its records, but I have a very strong suspicion that our average age is increasing. We need the wisdom that comes with the passing of the years, but we need also the enthusiasm and originality that youth brings with it; for that we shall have to improve our techniques for recruiting the younger members, particularly those who have just graduated from university. All of you should know by now about the GOLD program (Graduates Of Last Decade). With the notable exception of William Watté from Benelux Section, Region 8 has not been active enough in this programme. William has already been nominated "IEEE GOLD Transnational Representative" and I have asked him to help other Sections start a special Board along the lines of the "GOLD Benelux Board". (See page 9)

SCOOP. There is another subject in which we need to be more active. The IEEE prints "Best Practices" in SCOOP but it needs to make sure that there is an adequate supply of suggestions in order to continue this effort. The goal is to share good ideas or successful projects which can be "exported"

from one Section to another. I am hereby challenging each of you to communicate a "best practice" to your chairman, to the SCOOP editor or to me

A MORE PROMINENT REGION 8. In a previous article, I reminded you of my commitment to make Region 8 more prominent in the affairs of the Institute. With the help and understanding of our Vice President Regional Activities Ray Findlay I am progressing. For instance, Region 8, whose members take a particular interest in the development of standards, is now represented on the Standards Board by Louis François Pau, IEEE Fellow and General Manager Ericsson Utvecklings. You will also hear from him about our project with the European Telecommunications Standard Institute. I am however concerned that some of our members who occupy important positions on IEEE boards or Committees have neither communicated with our Secretary Basil Osborne nor with myself, and they have not yet offered an article on their activities to our Region 8 News Editor Mick Byford

THE MAY REGION 8 COMMITTEE MEETING in Rome was very successful; our host was the Centre and South Italy Section. Amongst the guests were Past-President Wally Read, the Vice-President of RAB Ray Findlay, and the Directors of Regions 1 and 9. We have experimented with a new structure for the meeting with a full day of tutorials and workshops, a "get acquainted day", and a shorter "official" meeting. You will have heard or will hear soon, a report from your Section Chairman.

STUDENTS. I had a very interesting experience which I wish to share with you. I was in Madrid with the Executive Committee of the IEEE, hosted by the Spain Section. During this visit we had an outstanding presentation of their activities by the Spain Student Branches. These successful activities deserve to be better known. Do not wait for an

Continued on page 9 col 1.

The New Executive Committee:

In March 1997 a meeting was held to elect the new executive committee of the Egypt Section. Prof. A.Y.Bilal was confirmed in his position as Chairman of the Section; as were the majority of the committee members. Only two new members were elected. A contact list may be obtained from the chairman.

There are now six chapters in the Egyptian Section.

1. Computer
2. Antennas and Propagation
3. Control
4. Power
5. Microwave Theory & Techniques and Electron Devices
6. Communications

There is one subsection, in Alexandria. The committee has under consideration the establishment of an additional subsection in Mansoura University. In 1996 the following Chapter meetings were held: Computer 5; Control 10; Power 5; Antennas & Propagation 3; Microwave Theory & Techniques and Electron Devices 2; Communications 2.

The quarterly Egypt Section **Newsletter** creates a continuous relationship with the engineering society and departments of Electrical Engineering in Egypt. Prof. M.Younis, Vice-chairman of the Egypt Section is the Editor. He proposed a new cover page and a new symbol for the newsletter. All engineers, engineering societies, association and organisations are invited to take part in this publication by submitting articles and relevant news items.

The Egypt Section started its own Information System. It is based on a local database management system. This new service will help the Executive Committee maintain contact with members or others working in the same field or sharing the same interests. We are in the phase of developing a web page on the internet.

On November 24-25 November 1997 the Section will welcome Prof. Alexander, IEEE President. The visit will include meetings and talks with IEEE members, university members and the industrial community in Egypt.

Conferences: The Section has during the last year sponsored several conferences and looks forward to support from Region 8 to organise and

There will be four major conferences during the remainder of 1997 and on into 1998

Suggestions:

1. To encourage the newly graduated student member to maintain his subscription, it would be better to grant him a student rate for two years after his graduation

2. The Executive Committee expresses the wish that Region 8 should help the section by sponsoring meetings and international conferences in Egypt.

3. The information system developed by Egypt by its own means would appreciate the help of the Region. This might take the form of software to improve the existing system.

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U.K.R.I

By
Dr.A.G.Hessami

UKRI Industry Applications

The recently formed United Kingdom & Republic of Ireland Industry Applications Chapter is holding its first meeting on Wednesday 2nd July at King's College London. The meeting, which will start at 5.30 in Room 11A of the Electronic Engineering Department, is open to all Industry Applications and other IEEE members as well as non-member professionals. For further details contact Ali Hessami at the following E-mail address: a.hessami@iee.org.uk

Chapter Chairman: Dr. A.G.Hessami,
Electrical Engineering & Control Systems

Railtrack PLC. Tel: 0171 9222438

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Apologies & Corrections

The editor apologies for two typesetting errors in the February issue of Region 8 News:

Page 1. Benelux - The "web site" address should read: <http://www.medfac.leidenuniv.nl/ieee/>

Page 7. Awards & Recognitions. Column 2 Maciej J. Ogorzalek. The citation should read: "For contributions to the theory, analysis and control of nonlinear dynamic systems and chaotic phenomena."

THE SWISS FEDERAL INSTITUTE OF TECHNOLOGY
INVITES APPLICATIONS FOR AN

Assistant Professor

ELECTRONICS FOR MICROSYSTEMS IN THE
ELECTRICAL ENGINEERING DEPARTMENT.

The new professor will have an extensive professional experience of microsystems applications. That experience should cover sensor and actuator interfaces, data acquisition, analogue and/or digital signal processing as well as overall microsystems design. A skill in integrated circuits technology, silicon micromachining, silicon sensors and microactuators would be greatly appreciated.

The work will take place mainly within the Electrical Engineering Department but will also involve other units of the EPFL, Swiss and international academic institutions and manufacturers. An aptitude for teaching students of graduate and undergraduate level and for conducting original, high level research is essential.

The new professor will also be called on to supervise and guide students on semester projects, on engineering degrees and Ph.D degree work. He should possess a confirmed skill as a project leader.

Candidates are invited to propose and send an original research programme, together with their application form. Applications are encouraged from those who fulfil the requirements of the Swiss program for ensuring the continuity of a competent University faculty.

Deadline for applications:

October 16th 1997.

Starting date as mutually convenient. The EPFL has about 4,000 undergraduate and 600 doctoral students. It consists of 12 departments in all the major engineering sciences. Applications from women are particularly welcome.

For further information please contact, in writing:

*Présidence de l'Ecole polytechnique fédérale de
Lausanne, CE-Ecublens, Ch 1015 Lausanne,
Switzerland.*

Israel

By Professor
Anthony J Weiss

The annual Information Theory workshop of the Israel chapter provided a wonderful opportunity for us to honor Professor Gregory Poltyrev for his contributions to the field. "Your contributions to information theory are an example to all of us of scholarship and unrelenting dedication, even in the face of serious obstacles." These words, from a letter by Prof. Sergio Verdu, president of the IT society, were



Prof. Meir Feder

Prof. Poltyrev

read by Prof. Shlomo Shamai, a member of the IT BOG. Prof. Meir Feder, the chairman of the local IT chapter presented a certificate to Prof. Poltyrev. The workshop included lectures by Prof. Jacob Ziv, Prof. Snyders and Dr. Zamir; it was coordinated by Prof. Litsyn.

The Signal Processing chapter, together with the newly formed Electronics in Medicine and Biology chapter, held a joint workshop in Tel Aviv. Dr. H. Ur and Prof. A. Cohen, the chapter chairmen created a carefully balanced programme that attracted professors, students and engineers from Beer Sheva in the south to Haifa in the north.

The Communications chapter and the Ministry of Science, held a full day conference on computer networks; it was chaired by Dr. Adam Levine. Scientists from the Hebrew University of Jerusalem, the Technion, the Israel Institute of Technology, the Tel Aviv University, and industry representatives took part in this interesting workshop. It was closed by a discussion dealing with the best way of establishing Academia/Industry cooperation.

The Israel Section sponsored FUZZY '97 a conference focused on fuzzy logic theory and applications; it was organized by the Ministry of Science. Some ten well known experts in the field from several countries gave invited talks. More than fifty papers were contributed by researchers from Israel and abroad. The conference attracted the attention of industry as well as academia. Dr. M. Schneider, the conference chair, reported that as a result of the conference an IEEE Chapter in this field will be formed.

Continued on page 4 col. 1

Vocabulary: IT BOG: Information Theory
Board of Governors

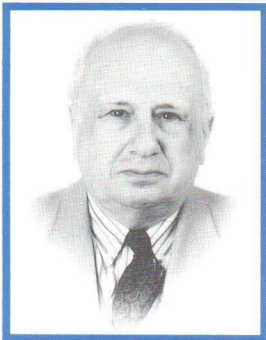
The steering committee of MELECON '98, to be held in Tel Aviv during May 1998, reported that several hundred papers from all over the world had been submitted to the assessors. Information about the conference can be found on the web site (<http://www.eng.tau.ac.il/~ajw/melecon.html>).

The Section office may be contacted via e-mail: ella@eng.tau.ac.il, Tel: +972 3 640 7092 or FAX: +972 3 640 7095. Section Chairman: Prof. Anthony J. Weiss, Dept. of Electrical Engineering Systems, Tel Aviv University, 69978. Tel: 972 3 640 7460, FAX: 972 3 640 7095, e-mail: ajw@eng.tau.ac.il

Vocabulary:

BoG: Board of Governors, it consists of the officers of a Society or Committee.

Russia



By
Professor Yuri Gulyaev

Dr. Heinrich Lantsberg

celebrated his 75th birthday on 2nd July this year. He has a history of more than 40 years interest in professional and technical communication and informatics. He joined

the Institute of Radioengineering and Electronics of the USSR Academy of Sciences in February 1955 and since then has been at the the head of the Science Information Department of that institute. He sees as his principal activity, the development and improvement in the transmission, dissemination and application of scientific and technical information and also in the creation, retrieval, processing and storage of information; in addition he is anxious to improve access to remote information networks in all media and to demonstrate the value of information resources and telecommunications.

He is well-known as an organiser and chairman of many international, USSR and Russian conferences, workshops and meetings on computer science, informatics, together with mobile, satellite and professional communications. Dr. Lantsberg is the author of more than 80 technical publications and has presented papers at many conferences.

Since 1990 he has been vice-chair of the Russia Section, and was a catalyst and a prime mover in establishing and developing relations and cooperation between the Russian Popov Society and the IEEE, promoting its goals both in the USSR and Russia, creating the Russia Section and its Chapters.

The Russia Section at present comprises more than 500 members, scientists and engineers from Russia, distributed throughout seventeen Chapters of various Societies, from St.Petersburg to Novosibirsk

In 1955 Lantsberg joined the USSR (now Russian) Science and Engineering A.S.Popov Society for Radioengineering and communications. He was the founder of the Professional Communication Chapter and a member of the Central Board of the Popov Society and the editorial Board of the Society's magazine 'Telecom. and Radioengineering'.

H.Lantsberg is also the founder of the Committee on Informatics of the USSR Council of Scientific-Technical Societies (1974-1988) and co-founder and member of the Board of the Association of Information Workers of Russia since its foundation 1990. For many years he has been involved in IEEE activities. He is Chairman of the Professional Communication Society Chapter and is the Russian representative of the Communications Society EAMEC, in addition he is responsible for the Region 8 Moscow office.

Heinrich Lantsberg was elected an Honorary Member of the Russian Popov Society and Association of Information Workers of Russia; Senior member of the IEEE, and a Member of the New York Academy of Sciences. He is an "Honorary Radioengineer of Russia."

Congratulations on his 75th birthday. We wish him the best of everything and look forward to his continued cooperation.

Vocabulary

EAMEC: Europe, Africa and Middle-east Committee.

Saudi Arabia

By
Mr. Hasan H. Al-Abdullatif

The Saudi Arabia Section and the Division of Electrical & Electronics Engineers of the Saudi Engineering Committee, took part in a two-day workshop entitled "Electrical Energy Conservation and Load Management". The final preparations are being completed for the Section's 4th annual Technical Exchange Meeting scheduled for 20th-21st May 1997. The theme of the 1997 TEM is "The Role of Engineering in Industrial Development"; approximately fortyfive technical papers will be presented.

The 1997-1999 Executive Committee is in the process of being elected and will resume its activities on 1st July 1997. The Section is making good use of the Membership Diskette Programme for newsletter distribution and membership development.

Membership is growing at about 5% annually and the Section is conducting more technical activities. One of our challenges is the Section's success in recruiting volunteers to organise activities and obtaining more employer support for the Section.

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IEEE President Dr. Charles Alexander visits Russia Section & the Popov Society

President Dr. Charles K. Alexander and Presidential Advisor Dr. Irving Engelson visited Moscow on May 19-23. During its stay in Moscow the delegation visited the Moscow Technical University which prepares specialists in telecommunications and fosters international cooperation with similar institutions in Europe, USA, Africa and Asia. There are eleven thousand students, forty-seven chairs, several colleges and three centres for the continuing education of Russian and foreign engineers.

The delegation was received by the Rector of the University Prof. Vagan Shakhgildyan who is also chairman of the Russian Chapter of the Circuits and Systems Society. In June the Chapter was host to an International Workshop on Nonlinear Dynamics of Electronic Systems, sponsored by CAS. The delegation also visited the Institute of Radioengineering & Electronics of the Russian Academy of Sciences, director Prof. Yuri Gulyaev - Chair of the Russia Section. The Institute is a leading organisation in the field of fundamental research on radiophysics, solid state physics, acousto-optics, acousto and spinwave electronics and telecommunications. The delegation was given a summary of the main trends of research carried out in the Institute.

Dr. Alexander addressed the Popov Society saying that he appreciated the warm and close relationship enjoyed by the IEEE with fellow engineers in Russia: "We really are a world wide engineering community; the twenty first century will be the most wonderful time for Man because we shall be able to meet all our challenges".

During the Popov Society meeting there was an exhibition of IEEE Press books donated to the Russia section.

At a plenary session several papers were presented on vacuum microelectronics, on standards in the field of radioelectronics and on the invention of the first electronic musical instrument "Termenvox". There were in all eleven topic oriented sessions.

The delegation also met the members of the Russian Popov Society Board and officers of the Russia Section and its Chapters. During discussions the vice-president of the Popov Society Dr. Pyotr Zoudkov and the writer, a Member of the Board, provided the delegation with a resume of the activities carried out by Popov Society, the IEEE Section and its Chapters.

The Popov Society has more than 100,000 members, forty-five regional branches, and it publishes eight journals and magazines. The Society has longterm relations and agreements with the IEEE on cooperation in a number of fields.

The Russia Section consists today of more than five hundred members, with sixteen chapters located in several cities in Russia. The discussion illustrated the importance and development of this beneficial relationship.

One day of the delegation's visit was devoted to the International Exhibition on Communications "EXPOCOM 97" - the largest Russian telecommunications exhibition. Dr. Sergei Mishenkov head of the R&D Department of the State Committee of Russia on Communication and Information was host to the IEEE delegation. He described the economic and investment policy as well as the R&D activity of Russia in the field of telephone communication: mobile, cellular, radio, TV and satellite. With great interest the delegation visited the booths of many Russian research and industry institutes, firms and companies, and met industry leaders.

The visit of the IEEE delegation was both important and constructive and will no doubt serve to develop further the mutual activity between the IEEE and Russia.

Call for Authors

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Region 8 Student News

August 1997

Editors:

Jens Klimaschewski (Regional Student Representative), J.Klimaschewski@ieee.org
Levent Onural (Regional Student Activities Committee Chairman), L.Onural@ieee.org

Editorial

Hi folks!

You're looking at the newly created Region 8 Student News Page. This is part of a program to increase the value of *your* student membership. This newsletter will contain short reports on activities recently conducted by student branches and introduce the various benefits that are available within IEEE for student members. A dedicated part on the bottom will contain a regular notification on deadlines and upcoming events. Most of the deadlines for student branches are connected to benefits (financial or others) that are often not realized. With this page, we'll try to keep all of you informed of what's happening within Region 8 for students — and this is a lot at the moment as student matters currently are top priority in almost any IEEE entity! Last but not least, very good news: student dues are significantly reduced! This is the outcome of a process initiated by the Region 8 Committee in Denver in November 96. You'll find an article about this on page 2.

Jens and Levent

Conference Support for Students

Student members who attend an IEEE conference in 1997 may get a voucher up to \$30 to be used for their 1998 membership renewal. To receive the voucher, your IEEE mailing address must be in Region 8 and information about the conference, your membership number, proof of payment of the conference registration fee as well as your address (plus your e-mail if you have one) must be mailed to Levent Onural, Elektrik ve Elektronik Muh. Bol., Bilkent Universitesi, TR-06533 Ankara, Turkey. You'll get your vouchers before the 1998 membership renewal cycle starts. More information can be obtained from www.ee.bilkent.edu.tr/~onural/free.html

Larry K. Wilson Award for C. Borgert The Award Recipient Reports on the IRC Project

The *Larry K. Wilson Award* for establishing the IRC-channel #ieee as a medium to contact EEs all over the world. Well — nice prize; but what is IRC, #ieee and so on?

Before talking about details, thanks to Thomas Schmidt for the idea of using IRC as a medium to contact EEs all over the world and to Oliver Keitmann for managing the contacts with the undernet officials.

IRC is the short form for Internet Relay Chat and uses the advantages of the worldwide Internet. Every Internet computer can create a connection to another (for telnetting, talking and so on) or to a server which is able to handle hundreds of connections.

After connecting to such an IRC server you can feel like having entered a big house with lots of rooms. In every room (the rooms are called channels) you can find people who want to talk about a special topic. The most important example: join the channel #ieee for talking with EEs from all over the world.

Using a UNIX system just choose a nickname and type the line 'irc <nickname>

eu.undernet.org'; after connecting to the undernet type '/join #ieee' and have fun. On a Windows system you can find entries for nickname and servers in the options menu.

We created this channel in 1996 and very fast we got contacts to Australia, India, lots of European countries, United States and Panama. It is very interesting to talk to people around the world about living and studying in other countries. An IRC contact to the SB Eindhoven led to a wonderful friendship between our branches. There are also many people joining #ieee for asking technical questions. There are lots of benefits — just try it!

Every thursday we have a talk time from 2pm to 9pm GMT; but the channel is open round the clock.

For further information take a look at Bob Aldens article in the September 1996 issue of The Institute (http://www.institute.ieee.org/INST/sep96/inf_hwy.html) or just join our channel. I hope to see you soon on #ieee!

Christian Borgert currently is the mentor of the Student Branch Bochum, Germany

1998 IEEE Region 8 Student Paper Contest

The deadline for submissions to the 1998 regional student paper contest is 15 December 1997. Only the winners of the local contests at student branches can be submitted to the regional contest. You can establish the rules for your local contest, including the deadlines, as you like within your branch. The rules for the regional contest can be retrieved from www.ee.bilkent.edu.tr/~onural/sac.html in postscript form. The submissions will be evaluated by an international jury. The best 5 or 6 will be invited to oral finals. Though no final decision is reached, yet, the oral finals are likely to be within MELECON'98 in May in Israel. The travel costs of the finalists are covered by IEEE. In addition, there are cash awards to the first three (\$500, \$300 and \$200). Please submit a paper. Talk to your branch officers to have a local contest. You can get the names of your local branch officers from Levent Onural (l.onural@ieee.org).

Deadlines & Upcoming Events

August 1 *Fall Promotional Mailing* sent to all Branch Counselors. So, after the usual mail delay (4–6 weeks) check with your counselor whether that stuff has arrived.

August 15 *Rebate Checks* will be sent if the Annual Report of Activities has been received by headquarters in time (deadline May 1).

November 1 *Annual Plan of Activities* due to student services

Mid-November *Leadership Training Program* for branch officers will be held (probably in Germany).

December 15 *Student Paper Contest* deadline. For more information, see the announcement above.

If you want *your* local student branch activity listed here, just drop us an email.

Another Benefit of Student Membership: Enjoy the Reduced Membership Dues after Graduation

Students are important to IEEE. Therefore, student membership dues are heavily subsidised. This subsidy does not end after graduation: recent graduates continue to pay lower dues for five years. The program can be summarized by the percentages that must be paid: 35% of full dues for the first year; 50% for the second; 65% for the third, 80% for the fourth and 100% for the fifth year. Although this program is well known within the IEEE community, the details of the program are usually misunderstood. Here are the answers to some frequently asked questions regarding the reduced membership dues after graduation:

Q1: I became a student member of IEEE during my PhD studies. After my graduation from the PhD program, I got a membership renewal notice with full membership dues. Is there something wrong? Did they forget my eligibility for the reduced dues?

A1: Unfortunately, nothing is wrong. You should pay the full dues. Only those who joined IEEE as student members before their first professional degree are eligible for the reduced dues program.

Q2: I am also a member of various IEEE societies. Is the reduction also applicable to society membership fees?

A2: The reduction is applicable only to the basic membership dues. It is not applicable to the societies. However, as a result of strong demand, IEEE is considering to extend the reduction also to the society memberships.

Q3: After getting my first professional degree, I continued as a student to get higher degrees (MS or PhD, for example). I got an MS degree two years after my first degree. Now I work in the industry. How will the reduced dues program work for me?

A3: Naturally, as a student member of IEEE you enjoyed low student dues during your MS studies. However, for the computational purposes of the reduced membership dues, which will affect you after your MS, the clock starts ticking immediately after the first professional degree: After completing your MS, you will be on your third year starting from your first degree date. Therefore, you will start paying 65% of the full membership dues. Then it will increase to 80% and 100% during the subsequent years.

Q4: I was a student member of IEEE during my college years. However, it was a hectic time after my graduation: starting professional life with a lot of responsibilities kept me too busy, and, I forgot to renew my IEEE membership. After two years at work, I realized how important the IEEE membership was, and reinstated my membership. Am I eligible for the reduced dues program?

A4: Unfortunately, not. You should keep your membership with no interruption to be eligible for the reduced membership dues.

Student Dues Reduced Report and Welcome Message by Gerald Karam, SAC Chair

Welcome IEEE Student members of Region 8! This fall, IEEE has taken some significant steps to increase the value of membership to its Student participants. Starting in September this year, those who are joining for the first time, or renewing their membership for 1998, will see a marked change in the dues cost. Student members in your region will receive a dues reduction from \$20 to \$14, and a change in the price of Potentials Magazine (which is optional for Student members in Region 8), from \$8 to \$5. Our goal is to increase the audience for IEEE membership, and in particular, to foster a greater interest in our Technical Society magazines and periodicals.

It used to be that joining IEEE and a Society could add up to a significant price tag, especially if there were several Society magazines that caught your interest. With the change in basic dues, you should be able better afford to get the know-how and breakthroughs in the specialized technical areas that appeal to you, and still have the benefits of our general interest publications: our flagship, award winning magazine IEEE Spectrum, and optionally, the publication for emerging professionals,

IEEE Potentials. So if you are talking to potential Student members, share this news with them, and if you are a renewing Student member, take advantage of this opportunity to explore your particular technical interests more deeply by joining a Society, or perhaps adding another Society magazine.

In case you are wondering, IEEE has 37 Technical Societies and Councils covering a wide range of interests from Computers to Power Engineering to Communications to Engineering Management. They are responsible for the majority of a wide selection of technical information and programs that you will access both now, and once you graduate. For example, the Computer Society publishes Computer Magazine, Software Magazine, and the new Internet Computing Magazine as just a few of its leading periodicals. It also sponsors many conferences and issues proceedings for such major events as the International Conference on Software Engineering, the International Conference on Distributed Computing Systems, and INFOCOMM. You can join a Society at any time and, as Student members, enjoy substantial discounts on the Society

dues and optional magazine subscriptions and conferences (each Society normally includes a "leading edge" magazine with the dues, such as Communications Magazine if you join the Communications Society, with other magazines available for a low subscription rate for Student members).

Most of us value our membership for the exposure to technical information that is an integral part of IEEE. Why don't you join a technical Society and enjoy the benefits too? And of course, IEEE membership has the greatest value when you are an integral part of our activities. If you want to get involved, find out about things, or have ideas you want to share, please contact your Region 8 Student activities volunteers — your Regional Student Activities Chair, Levent Onural (l.onural@ieee.org) and your Regional Student Representative, Jens Klimaschewski (J.Klimaschewski@ieee.org), or poke around the IEEE Home Page (<http://www.ieee.org>). Best of luck in your careers, and stay involved with IEEE!

Gerald Karam currently is the chairman of the IEEE Student Activities Committee (SAC)

University of Strathclyde, Scotland 2-4 Sept. 1997

2nd IEE/IEEE International Conference on

**Genetic Algorithms in Engineering Systems:
Innovations and Applications**

GALESIA 97: IEE Conf. Services,
Savoy Place, London WC2R 0BL, England
Fax: +44 (0) 171 240 8830. E-mail: nashley@iee.org.uk

Commonwealth Institute, London, UK. 9-12 Nov 1998

Fifth International Conference on:

**Trends in Distribution Switchgear:
400kV for Utilities and Private Networks**

DS'98: IEE Conf. Services,
Savoy Place, London WC2R 0BL, England
Fax: +44 (0) 171 240 8830. E-mail: ds98@iee.org.uk

FRANCE

By Professor
Edwige Pissaloux

News in French

Chapitre EMC vous invite aux conférences suivantes:

le 20 octobre 1997 "Smart Skins et Chambres Anéchoïque Simulées" par A. BERTHON et Dr. F. MAYER.

le 24 novembre 1997 (date susceptible d'être modifiée) "Global Trends Commercial EMC Requirements", par Art WALL, FCC Washington.

le 19 janvier 1998, "Perfectly Matched Layer - PLM", par J.P. BERENGER, A. BERTHON, Dr. F.MAYER

les conférences (inscription obligatoire auprès de la SEE), ont lieu à 17 heures à la S.E.E., 48 rue de la Procession, 75015 à 17h30; tél. 01 44 49 60 15; fax: 01 44 49 60 44.

LES ANCIENS DE LA RADIO ET DE L'ELECTRONIQUE vous invitent aux conférences suivantes:

-le 21 octobre 1997 "L'Electronique dans la Poste", par Jean VIARD, Directeur de l'Equipeement et de l'Informatique de la Poste;

-le 25 novembre 1997 "L'industrie électronique mondiale - Le défi Japonais" par Michel H. Carpentier.

- le 20 janvier 1998 "Le passage de 8 à 10 chiffres du plan de numérotation français du téléphone", par Jean-Pierre Poitevin, Ingénieur Général des Télécommunications.

Le conférences ont lieu à 17 heures à la F.I.E.E., 17 rue Hamelin, 75 116 Paris, secrétariat: M. CRANTELLE; elles sont suivies d'un pot amical.



NEW FROM WILEY

■ Networks and Telecommunications, 2nd Edition

Design and Operation

Martin P. CLARK, Telecommunications Consultant, Frankfurt, Germany

Written in an accessible style and clearly illustrated throughout, this updated second edition is a basic practical and intuitive insight into modern network engineering. Sections include: technical accounts of modern voice, data and multimedia networks; coverage of ATM, B-ISDN, SDH, mobile radio and satellite networks, Internet and TCP/IP; practical aspects of running and setting-up networks; and running a business based on telecommunications.

0471 97346 7 due September 1997 (cl) approx 832pp
approx £65.00

■ Fiber-Optic Communication Systems 2nd Edition

Govind AGRAWAL, University of Rochester, New York, USA

Based on the author's exhaustive review of the past five years of published research in the field, this second edition, provides an in-depth look at the state-of-the-art in fibre-optic communication systems.

While engineering aspects are discussed, the emphasis is on a physical understanding of this complex technology, from its basic concepts to the latest innovations. Updated and expanded, the book features four new chapters on the latest research and development in lightwave systems and covers the fundamental aspects of these systems, as well as a wide range of practical applications.

0471 17540 4 due August 1997 (cl) approx 544pp approx £50.00

■ Measurement and Calibration Requirements for Quality Assurance to ISO 9000

Alan S. MORRIS, University of Sheffield, UK

Updated from the author's previous work, *Measurement and Calibration for Quality Assurance*, 1991, is based on the (now obsolete) British quality assurance standard the, BS 5750. This revised version covers the latest international quality assurance standard the, ISO 9000 now adopted by industry world-wide. The book provides an integrated approach to the subject of measurement and calibration procedures, stresses the importance of these in the operation of ISO 9000 quality control systems and the achievement of quality assurance targets.

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■ Digital Audio Signal Processing

Udo ZÖLZER, Technische Universität Hamburg-Harburg, Germany

Digital Audio Signal Processing (DASP) techniques are already used in audio CD, computer music and DAT components. In addition, the applications afforded by this versatile technology now range from real-time signal processing to room simulation. Grounding the theoretical foundations of DASP in terms of practical applications, this book gives meaning to the mathematical concepts behind this subject area.

It includes detailed accounts of: AD/DA conversion and simulation, numeric transmission systems and M-PEG coding, electronic storage media and digital studio technology.

0471 97226 6 due August 1997 (cl) approx 300pp approx £45.00

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Our first Student Branch was established at the Technical University of Varnas in July 1966; it then had 21 members. At the same time it occurred to us that we could organise an information centre which would provide members with free access to all IEEE publications and to the IEEE Internet services.

In the development this idea, the Bulgaria Section is establishing and equipping a Student branch library at the Technical University of Varna. The project was approved by the Region 8 Activities board and started on 1st December 1996. Funding was obtained from both local Bulgarian sources and IEEE; in addition we expect to obtain half the total amount from the Bulgarian state and private business. The official opening ceremony of the Student branch library was on 24th May 1997 - the day of the Bulgarian Culture and the Slavonic (Cyrillic) alphabet.

Amongst students from the Technical University of Sofia we are now seeing a considerably increased interest in the IEEE. We believe that this process of increasing student members and forming a new IEEE Student branches in Bulgaria will continue in the future.

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In a song made popular by the artist Gala, there is a line "And they say the silver arch is gold". I never understood this sentence, but I suspect she's wrong. For me, GOLD stands for Graduates Of the Last Decade. It is a new initiative of the IEEE which encourages recent graduates to stay IEEE members. Section GOLD programs are run by recent graduates who organise things that are aimed more at their own generation. This "generation" is not really an age identity, but more an affinity group of "young-at-heart engineers"

GOLD allows "fresh" engineers to get active in IEEE. GOLD works at Section level, allowing the committee/board to (re)act more directly to specific questions and interests of other graduates in its own area. On the other hand, since GOLD is part of the IEEE, ideas and experiences (and resources) can and are networked throughout the world.

The GOLD idea was started in 1995 with 7 pilot programs, and currently has committees in Sections all over the world. A few months ago, the first GOLD Section is Region 8 was founded, more precisely in Benelux. Many GOLD Benelux projects have already been selected and are being developed: a survey among local recent graduates, a reception for just-graduated members (final year engineering students in the Benelux area are advised to keep their eyes on their mailboxes/e-mail), and possible cooperation with other local engineering organisations.

You see, a lot can be organised in a very short time if you team up with other enthusiasts in your Section. I'm sure there are more of these recent graduates in Region 8 who want to become active in the IEEE and raise awareness of the Institute with a dynamic group. The problem, of course, is finding those other engineers (I almost wrote "guys", but don't want to offend female engineers, who are more than welcome on GOLD boards and committees). Possible candidates are ex-Student branch board/committee members, but others definitely can and should join these Gold groups.

Are you interested? Do you feel young enough to show your Section, your Region and the rest of the world the other face of IEEE? Then don't hesitate to contact me by e-mail at w.watte@ieee.org (or at B.P.Damantlaan 15, B-9080 Lochristi, Belgium). You can address me in English, French or Dutch. I will collect the names of all interested people, group them into Sections/Regions and bring them together to start up GOLD programs. If you have any more questions concerning GOLD, or ideas you think could be valuable, just send them to me.

Oh, and remember - from now on, all that glitters is GOLD!

William Watté (in TeX: Watt'e, in HTML: Watteacute)

GOLD Transnational Representative.

Lisbon, Portugal

25-27 March 1998

European Commission-Eurostat

Statistical Data Protection '98

Call for Papers - Deadline 30 September 1998

Dr. Josep.Domingo-Ferrer, E.T.S.E.-U.R.V., Autovia de Salou,
E-43006 Tarragona, Catalonia, Spain. E-mail: sdp98@etse.urv.es
<http://www.businessoffice.lu/sdp98-home.html>

From page 1 col 2.

executive visit to describe them! Remember that we live in a world of communications and that E-mail helps a lot.

From now on you will find a double page in Region 8 News devoted entirely to student activities; this is my first action to help the process. I also hope to be able to announce soon a Region 8 Student branches Congress for August 98. So keep alert!

Vocabulary

GOLD: See article by W.Watté in the adjacent column.

SCOOP: A newsletter for Section chairmen.

Best Practices: Good Ideas

RAB: Regional Activities Board

TAB: Technical Activities Board

Rome, Italy

9-10 June 1998

RADME '98 - Fourth Italian Symposium on

Radar Meteorology

Contact: Prof. Gaspari GALATI, DISP, Tor Vergata University
Via di Tor Vergata, 00133 Roma, Italy.
E-mail: g.galati@ieee.org Fax: +39 6 202 6266

Region 8 Election for Director Elect 1998.

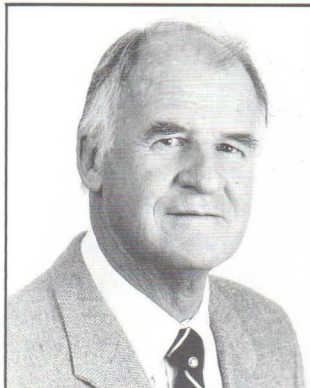
The Successful Candidate will be Director for 1999-2000

Region 8, because of its size and economic and cultural diversity, presents a great many unique challenges to the IEEE. Amongst the most pressing are access to electronic communications, continuing educational opportunities in electrical engineering, various member services and technology, all taken for granted by other Regions, and slow delivery of journals.

If we in Region 8 are to unlock the full potential of members to contribute to the diverse needs of their communities, these issues must be addressed at the highest levels of the IEEE, and of the Region. Ways and means must also be found to facilitate interaction between a great variety of developed and developing communities for their mutual benefit, by involving industry, academia and government, and by developing cooperative programmes between the IEEE and national bodies.

South Africa, being a mix of developing and developed sectors of society, is in many respects Region 8 in microcosm. From my perspective as a South African I believe that I am uniquely qualified to make a meaningful contribution to resolving issues specific to Region 8. If elected I pledge to dedicate my efforts to this end

Dr. Duncan C. Baker



Region 8 is the most exciting of the IEEE Regions; it unifies 35,000 members from different countries, having its own language, culture, religion and educational system. During my 14 years as your Treasurer, I have particularly enjoyed serving our large international Region 8 family and managing its financial affairs.

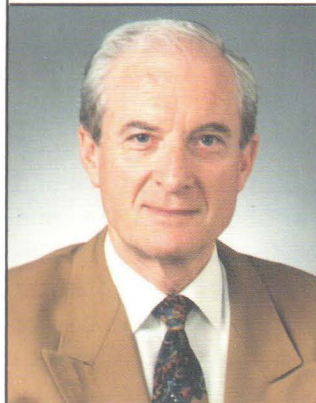
I have learned about the urgent financial problems in our low income countries and about the completely different needs of our larger Sections. This has involved close cooperation with IEEE officers and staff in the USA.

With this background it would be an honour to become elected and have the opportunity of representing our Region on the IEEE Board of Directors. As your

Director I would work towards:

- Improving IEEE Services, particularly for members outside the USA.
- Moving IEEE further ahead on the "transnational track".
- Making IEEE more attractive for students, especially post graduate students.
- Promoting electronic communication by "Networking Region 8 with the World".
- Improving the cooperation between Regional and Technical Activities Boards - (RAB,TAB) in matters related to Region 8.

Dr. Rolf A. Remshardt



Norway

*By Professor
Rolf Henriksen*

The 7th European Conference on Power Electronics and Applications, EPE '97 will be held in Trondheim, Norway, from 8-10th September 1997; it will be organised by the Norwegian University of Science and Technology and sponsored by the European Power Electronics and Drives Association, in cooperation with IEEE Power Electronics Society, IEEE Industrial Applications Society, the IEEE Norway Section and the Norwegian Association of Electrical Engineers. The Technical Programme consists of tutorials (September 6-7th), keynote addresses, discussion sessions (workshops), and more than 600 papers.

*Conference Chairman: Professor Tore M. Undeland, Dept of
Electrical Power Engineering, NTNU, N-7034 Trondheim, Norway.
Tel: +47 73 59 42 44. Fax: +47 73 59 42 79*

Vocabulary

E P E = European Power Electronics

Nice, France.

28 Sept. - 1 Oct. 1998

IEEE/OES International Conference

OCEANS '98

Engineering for Sustainable Use of the Oceans

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31 Aug - 3rd Sept 1997

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