

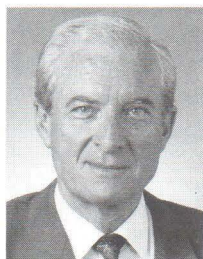
<http://www.ewh.ieee.org/reg/8/>

<http://www.ieee.org/regional/R8/>

## From the Regional Director

**W**hile thinking of my new tasks as incoming Region 8 Director, I was automatically reminded of our recent government elections in Germany. After the elections a lot of politicians have a hard time remembering all their promises during their campaigns. Not being a politician but an engineer, I hope I will do better...

Before I talk about my goals during my directorship, I have the privilege of thanking my predecessor, Maurice Papo, for his outstanding service to IEEE and in particular to Region 8 during his past two years. He has really introduced necessary changes and implemented excellent new ideas. Although Maurice has now finished his term as Region 8 Director, both IEEE and



R8 will continue to benefit from his advice and his experience as the 99 IEEE Secretary, the R8 Vice Chair Strategic Planning and member of several other IEEE Committees.

It was not easy to give up my previous job as the Regional Treasurer, which I really enjoyed for almost 15 years. During that time the R8 budget increased by more than a factor of 20 and the R8 accounting developed from a few handwritten sheets to numerous PC controlled spreadsheets. I am glad to have a very competent successor, Prof. H.J. Schmitt, the Germany Section Treasurer, who was willing and capable to take over this important and time-consuming job.

Let me start with some topics, which are most important to me:

## From the Outgoing Director

**A**s outgoing Director I presented my last Director's report at the October 1998 Meeting of the Region 8 Committee in Larnaca, Cyprus. The full report can be found in the Electronic Bulletin for November 1998, on the Region 8 Homepage. The Website address appears immediately below the R8News logo on the first page.

As Director for Region 8 I had three responsibilities. The first concerns the normal business of Region 8 with respect to Sections, Chapters, Membership, etc. The second relates to representing the interests of Region 8 at the various Board and Standing Committees of the IEEE, as well as to various non-IEEE entities. The third



responsibility relates specifically to corporate responsibilities as an officer of the IEEE. This last requires that one separates one's personal interests in Region 8, and tend to matters concerned with the interests of the IEEE as a whole.

During my 2 years as Director I have faithfully discharged the duties expected of a Director. I have also been able to initiate action on the following:

- ♦ New Region 8 Bylaws - to streamline technical and business operations of the Region.
- ♦ Restructuring Region 8 Committee Meetings – to use the twice-yearly meetings more effectively.
- ♦ Cultures and languages – Region 8 is particularly rich in its cultural heritage.

*continued on page 8*

## Student Activities / Programs

The IEEE's future is in the hands of our student members... This is why Student Activities have the highest priority of all our Region 8 programs. I don't have to remind you that R8 is one of the leading regions with respect to student membership increase and with outstanding student programs. Since students do have their own pages in our Newsletter, I do not have to repeat the many available programs.

A few months ago, I had the pleasure to attend the successful Student Branch

*continued on page 9*

## INSIDE

Guest Editorial ..... 2

IEEE Fellows Elected in Region 8 ..... 2

Nobel Prize for IEEE Member ..... 3

Meet Our Vice Chairs .. 4

Membership Development ..... 5

Sections' Congress 99 . 5

Election Results ..... 5

Section News ..... 6

Society and Chapter News ..... 7

Conference News .... 11

Voluntary Contributions Fund ..... 12

MELECON '2000 ..... 13

Student News .... 14-15

First IEEE/RPS Joint Conference on Internet Technologies and Services ..... 16



# Guest Editorial

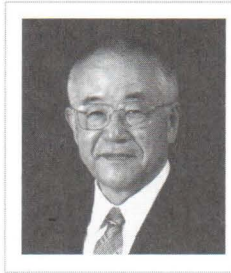
## GETTING TO KNOW REGION 10

**T**he territory of IEEE Region 10 comprises Australia, New Zealand, Asia and related islands, and extends from New Zealand in the East to Pakistan in the West, and from China in the North to New Zealand in the South.

In Region 10 Australian, India, Korea and New Zealand Councils administer 7 (incl. 1 subsection), 10, 4 (incl. 1 subsection) and 2 sections, respectively.

Twelve sections (incl. 1 subsection) are not administered by Councils. The total of all grade membership was 41 101 as of 31 March 1998 and the membership growth rate for the past year was 8.64 %. This is 1.56 % higher than that for the period December 1996 to December 1997, regardless of the economic crises in Asia.

The membership of the Tokyo section is 9 602 as of 31 March 1998 and is also the largest, representing approximately a quarter of the membership in Region 10. In consequence the realignment of boundaries of the Tokyo section, resulting in the formation of 7 new sections in Japan, was proposed to, and approved by the RAB and the BOD on November 13 and 15, 1998 respectively.



The student membership was 10 200 as of 31 March 1998 and the growth rate was 18.65 % for the past year. The number of student branches is 183.

Geographically Region 10 spreads over Asia and the Pacific, and includes IEEE members from countries or regions, where the culture, language and religion are quite different. However, e-mail is conveniently used to communicate with each other.

The industrialization and the activity of research and development in the field, which the IEEE covers,

are different, as well. Furthermore, non-IEEE professional organizations are serving the scientific communities in some countries or regions very actively and competing with the IEEE. Consequently IEEE Region 10 is expected to collaborate with such non-IEEE organizations, in order to enhance the exchange of knowledge and experiences among scientists and also to stimulate research and development activity in this area. ♦

Takuo Sugano

IEEE Region 10 Director for 1999-2000

t.sugano@ieee.org

## IEEE Fellows Elected in Region 8

**T**he Director congratulates the following colleagues who have been elected as Fellows of the IEEE as from 1st January 1998. Your friends and colleagues in the IEEE, and specifically in Region 8, salute you.

### Tor Magnus Aulin

Chalmers University of Technology  
"For contributions to the analysis of Continuous Phase Modulation systems, and characterization of radio channels."

### Giorgio Baccarani

University of Bologna  
"For contributions to the scaled silicon device theory."

### Janos Ferenc Bito

Banki D. Polytechnic  
"For leadership in the application of robotics and automation technology."

### Pierre Bornard

Electricite de France  
"For contributions in digital relaying, simulation, and optimization techniques."

### Rinaldo Castello

University of Pavia  
"For contributions to the design of integrated filters."

### Ian Donald Chalmers

University of Strathclyde  
"For contributions to the reliability of gas insulated equipment."

### Jean-Dominique Decotignie

CSEM  
"For contributions to fieldbus technology leading to its adoption and standardization by the industry."

### Gadi Eisenstein

Haifa, Israel  
"For contributions to development and application of semiconductor optical amplifiers."

### Said El-Sayed I. El-Khamy

Alexandria University  
"For contributions to signaling techniques for propagation through natural media."

### Meir Feder

Tel Aviv University  
"For contributions to universal prediction and universal data compression."

### Alessandro Marco Ferrero

Politecnico di Milano  
"For the development of measurement techniques for electric power systems."

### Paul Martin Frank

Gerhard Mercator University

"For practical applications of control theory to fault diagnosis in dynamic systems and to robust control design."

### Yury V. Gulyaev

Institute of Radioengineering and Electronics RAS  
"For seminal contributions to acoustoelectronics, acoustooptics and microwave acoustics."

### David George Haigh

University College London  
"For contributions to the design and integrated circuit implementation of high frequency filters."

### Andrzej Jajszczyk

ITTI Ltd.  
"For contributions to the theory and practice of telecommunications switching."

### Eli Kapon

Swiss Federal Institute of Technology  
"For contributions to semiconductor guided wave optics, phase locked laser arrays, and quantum confined lasers and heterostructures."

### Willem Bastiaan Kleijn

KTH (Royal Institute of Technology)  
"For contributions to modeling the spectral fine structure of speech and its application to low-rate speech coding."

## Piero G. Maranesi

Universita degli Studi di Milano

*"For contributions to dynamic models of power electronic circuits and high-speed analog electronics."*

## Emanuel Marom

Tel Aviv University

*"For contributions to optical signal and image processing, holography (optical and acoustical) and signal correlation studies."*

## Marco G. Ajmone Marsan

Politecnico di Torino

*"For the development of generalized stochastic petri net theory and its applications."*

## Wolfgang Max Mathis

University Magdeburg

*"For contributions to nonlinear network theory."*

## John Vincent McCanny

The Queen's University of Belfast

*"For contributions to signal processing with Very-Large-Scale Integrated Circuits."*

## Neri Merhav

Technion-Israel Institute of Technology

*"For contributions to universal methods of prediction and data compression."*

## Juan Ramon Mosig

Swiss Federal Institute of Technology

*"For contributions to the full-wave numerical analysis of multilayer printed antennas, scatterers and circuits."*

## Gerhard J. Neidhoefer

ABB Power Generation Ltd.

*"For contributions to the development of electrical machines and to the international harmonization of electric machinery standards."*

## Yael Nemirowsky

Technion-Israel Institute of Technology

*"For contributions to compound semiconductor devices and technology"*

## Romeo Ortega

CNRS-ESE

*"For contributions to the development of tools for the analysis and design of nonlinear and adaptive control systems."*

## Paolo Pampaloni

National Research Council of Italy

*"For contributions to and leadership in microwave remote sensing."*

## Markos Papageorgiou

Technical University of Crete

*"For contributions to the application of automatic control and optimization in transport systems and water networks."*

## Donald E. Pearson

University of Essex

*"For sustained leadership in visual information processing and coding."*

## Gabor Peceli

Technical University of Budapest

*"For contributions to the theory and practice of recursive signal transformations."*

## Ignacio Jose Perez-Arriaga

Comision Nacional del Sistema Electrico

*"For leadership in the planning, operation, and deregulation of electric power systems."*

## Reinhold Pregla

Fern Universitat Hagen

*"For contributions to the analysis, modeling and design of microwave and optical components."*

## Adel Razek

Centre National de la Recherche Scientifique

*"For contributions to 3D electromagnetic field modelling and coupled phenomena*

*analysis in electromagnetic systems."*

## Heiner Ryssel

University of Erlangen

*"For introduction of ion implantation technology into the German Semiconductor Industry."*

## Yakov Solomonovich Shifrin

Kharkov Technical Univ. of Radio Electronics

*"For fundamental contributions to antenna theory and technology."*

## Nihal Sinnadurai

TWI

*"For contributions to the field of cost effective, reliable microelectronics packaging."*

## Stefano Spaccapietra

Ecole Polytechnique Frane

*"For contributions to research in database design and modeling."*

## Ralf Peter Steinmetz

Darmstadt University of Technology

*"For contributions to multimedia communications."*

## Paolo Tenti

University of Padova

*"For contributions to the application of modern control techniques in power electronics circuits and systems."*

## Michael Andreas Unser

Swiss Federal Institute of Technology

*"For contributions to the theory and practice of splines in signal processing."*

## Ruediger Vahldieck

Swiss Federal Institute of Technology

*"For contributions to the modeling and design of microwave and millimeter-wave circuits."*

## Roger Voles

Consultant

*"For leadership in radar systems engineering." ♦*

## Nobel Prize for IEEE Member

IEEE Member Horst Stormer was named a co-recipient of this year's Nobel Prize in physics.

Stormer, along with Robert C. Laughlin and Daniel C. Tsui, was cited for the discovery of the fractional quantum

Hall effect, a new state of matter created when electrons come together to form quasi-particles with exact fractions of electrical charges.

Stormer is the adjunct physics director at Bell Labs, the research and devel-

opment arm of Lucent Technologies. He is also a professor at Columbia University in New York City. ♦

*The IEEE LEADERSHIP WIRE  
Vol. III, No. 19, 23 Oct. 1998*



# Meet Our Vice-Chairs

*This issue we introduce Maurice Papo, and Kurt Richter – two of our new Vice-Chairs. In the May 1999 issue we will introduce Raul Vidal and Gozde Bozdagi, Vice-Chairs for Membership and Student Activities respectively.*

## STRATEGIC PLANNING

How are you driving?

If you have read our new Bylaws – which I hope – you know that after my two years as Director Region 8, I become not only “Past Director”, but at the same time Vice Chair Strategic Planning... A friend of mine was asking how I would define Strategic planning compared to all the other planning activities, which take place in IEEE. The image I used, was the one of a car driver. Today it is a common image to say that an executive, “drives” his organization... Well there are several ways of driving. If you are driving very slowly, you look at the road only a few meters away from the car. But if you are driving real fast you have to anticipate and look far ahead. IEEE, and particularly Region 8, is progressing very fast. Strategic Planning is for “the fast IEEE driver” the willingness and the ability to look several years ahead in its future and plan accordingly. Strategic Planning is of utmost importance in a Region as diverse in culture and average income as ours is. Setting long range priorities for our limited possibilities of new programs, keeping harmonious balance between our activities Region wide, influencing IEEE overall strategies in the area of globalization, those are the major tasks of the Strategic Planning.

Among other responsibilities of Strategic Planning, are the writing and maintenance of Bylaws and Operations Manuals. Region 8 has recently revised its Bylaws, but they have to be a living document, in accordance with IEEE and RAB (Regional Activities Board) Bylaws. We do not have presently an Operations Manual, but will have to decide if we need one or not...

I have decided to create a very small Strategic Planning Committee for Region 8, which will meet principally by Email.

Those of you who are interested, and have some experience in Strategic Planning are invited to be candidates. Let me know at [m.papo@ieee.org](mailto:m.papo@ieee.org).

*Maurice Papo  
Vice-Chair, Strategic Planning*

## TECHNICAL ACTIVITIES

On October 17, 1998 I was elected as IEEE Region 8 Vice Chairman Technical Activities (VC-TA) for 1999. In this capacity I will be responsible for all technical activities in Region 8. These also include the activities of the Conference Coordination Subcommittee (chaired by Baldomir Zajc) and those of the Chapter Coordination Subcommittee (chaired by Anthony C. Davies). For the foreseeable future I will also continue to act as a reference point for the Educational Activities in Region 8 including the Recognized Educational Programs (REP lists for Sections). My overall responsibilities include:

- ♦ Coordination and Planning of the Technical Activities: Since all activities concerning conferences, chapter activities and educational issues like Continuing Education (CE) and Life Long Learning (LLL) can not be strictly separated the coordination of the activities in and between the subcommittees will be a major task. This requires that the VC-TA actively takes part in the planning of these activities.
- ♦ Interface to other IEEE entities: I will act as an interface and link between Region 8 and the IEEE entities concerned with technical activities, including the Technical Activities Board (TAB), the Educational Activities Board (EAB), and the Regional Activities Board (RAB).
- ♦ Communication and Information Exchange between the Vice-Chairs of Student Activities, Membership Development and Strategic Planning will be maintained in order to give them the opportunity to coordinate their various activities at an early stage of planning.



- ♦ Promotion of participation or sponsorship in established and new Society conferences within Region 8.
- ♦ Cooperation with National Societies: Together with the IEEE Sections the respective National Societies will be encouraged to cooperate in their technical activities.
- ♦ Industry will be encouraged to cooperate with IEEE in their technical and educational activities, in particular with, and in Region 8. This will increase the visibility of IEEE in industry.
- ♦ Clustering Activities: Small and medium sized Sections in neighboring countries will be encouraged to cluster their technical efforts.
- ♦ TA Officers in Sections for chapters, conferences, societies and education will be promoted.
- ♦ REP: I will further be the focal point for the REP-List and representing Region 8 on the IEEE REP Committee. This list should list all programs under which graduates are eligible for IEEE membership without further involvement of the IEEE Admission and Advancement Committee.

In education I plan to start two major activities:

- ♦ Organization of a Workshop provisionally entitled “Multimedia supported Continuing Education and Life Long Learning in Industry”. The workshop should be performed in close cooperation with industry and
- ♦ Development of Course Material for Teleteaching and Distant Learning. For this close cooperation between the Sections, subcommittees, chapters and societies is extremely important.

Please contact me any time whenever you feel I can help or support your activities within your Section. I will try my best to support. My e-mail address is [k.richter@ieee.org](mailto:k.richter@ieee.org) ♦

*Kurt R. Richter  
Vice-Chair, Technical Activities*



# Membership Development

## REPORT

The most important job in any IEEE entity is that of membership development. All sections are encouraged to designate one person to be the MD officer, but in reality it is a task shared by all volunteers on the local level. As appointed chair of the Region 8 MD subcommittee I have established a network of the MD representatives from all sections in the Region, and it is my sincere intention to be in regular contact by e-mail for exchange of information and encouragement of local activities.

Every month all sections receive from the IEEE Operations Center membership data to update their local SAMIEEE database. It is the responsibility of the MD officer promptly to inform the section officers, the chapters and the Student Branch Volunteers about changes in membership and the associated membership statistics.

The MD officer is strongly encouraged to provide lists of Members and Affiliates, who are going into arrears because they have not paid their dues and fees by the end of April. There are several reasons for members not to continue their membership; reasons include missing publications and unsatisfactory services.

All members are kindly asked to verify the address used for Renewal Letters and publications, and to inform the IEEE headquarters by e-mail or Internet about changes and corrections. Please send a copy to the local section for registration. In the event that Spectrum is returned due to an incorrect mailing address, it is common practice to give a member a check mark indicating, "Retain mail." In that case only Renewal Invoices will be mailed to the

member, whereas all publications and meeting announcements are withheld.

On the regional level I wish to help and support the MD officers as much as possible. We are in the process of planning a MD workshop for MD officers and section representatives by the end of March this year. Specific information will be available on the Region 8 Homepage. Last year we organized a MD workshop in Budapest (see separate report), for MD officers in Central and Eastern Europe. MD officers usually have no opportunity to meet colleagues from other countries, and participation in a MD workshop is intended to encourage and stimulate them in their task.

The most recent statistics (by the end of October 1998) show, that Region 8 has 31,233 higher grade members and 7,509 student members. The annual growth rates are 8.8% and 13.8% respectively, resulting in an average growth rate of 9.8%. Only Region 10 has a higher growth rate.

I am trying hard to answer all questions coming in by e-mail, but try once more if you have not received a reply within two weeks. Questions and comments are always welcome on e-mail: [p.larsen@ieee.org](mailto:p.larsen@ieee.org).

*Peer Martin Larsen*

*Region 8 MD Subcommittee chair*

## MD WORKSHOP IN BUDAPEST

A Membership Development workshop for training of MD officers in Central and Eastern Europe was held in Budapest on 2 October 1998.

The workshop addressed issues of recruitment, and retention and recovery of members, as well as member and chapter support.

IEEE Staff Director Jill Berman Levy

prepared an unofficial list of issues raised by participants. These notes are available through the Germany Section Homepage on the address: <http://www.lwe.ruhr-unibochum.de/md/index.htm>

The comprehensive report as prepared by the MD Subcommittee Chair, Peer Martin Larsen will be published in the May 1999 Region 8 News if space permits. The full report is however available via the Internet in the December 1998 Electronic Bulletin on Region 8's Homepage. ♦

## Election Results

**O**utgoing Director **Maurice Papo** has been elected IEEE

Secretary, Member of the IEEE Board of Directors and of the IEEE Executive Committee for 1999.

Maurice will also serve as the Region 8 Vice-Chair handling Strategic Planning, Nominations and Appointments in his capacity as Outgoing Director. Election results for the IEEE Regional Activities Board of interest to Region 8 are:

RAB Chair: **Dan Benigni**

RAB Treasurer: **Brian Lee**

Region, Section & Chapter

Activities: **Antonio Bastos**

Membership Activities: **Jim Howard**

Student Activities: **Levent Onural**

Strategic Planning: **John Damonte**

Levent Onural has served for many years on the Region 8 Committee and has been prominent in Student Activities.

Within Region 8 the following have been elected as Vice-Chairs (their Candidate Statements were published in the R8News Electronic Bulletin for November 1998):

**Raul Vidal** – Membership Activities

**Kurt Richter** – Technical Activities

**Gozde Bozdagi** – Student Activities

Our congratulations to all those elected, particularly to our colleagues in Region 8. ♦

## Sections' Congress 1999

**T**he Sixth IEEE Sections' Congress will be held at the Hilton and Towers Hotel in Minneapolis, Minnesota, USA from 8-11 October 1999. We expect to have almost every Section in Region 8 represented. A new Web Site has been established giving up-to-date information on SC'99 at the following address: <http://www.ieee.org/ra/sc/index.html>

Over the next few months Region 8 OPCOM will be planning for SC'99. If any member has an issue involving member services or membership matters that they would like to see discussed at SC'99, please contact me at the e-mail address below.

*Charles Turner*

*IEEE Region 8 SC'99 Coordinator*

*[c.turner@ieee.org](mailto:c.turner@ieee.org)*



# Section News

## SPAIN

The Spanish Section mourns the loss of a highly respected colleague and friend. Professor Dr. Manuel Horno Montijano died on 9 September 1998 after a long illness. He was actively involved in research on various electromagnetic problems at the Department of Electronics and Electromagnetism at the University of Seville. A measure of his stature and courage can be gauged from the fact that much of his research output was during the period of his illness.

A tribute to Professor Montijano by Professor José Huertas, IEEE Fellow, is published in the Electronic Region 8 Bulletin for November 1998. For the address of the Region Home Page see the R8News logo on the front page.

## RUSSIA

On September 6, 1998

Professor Vladimir Kotelnikov, IEEE Fellow, turned 90. This doyen of Russian Communications Engineers was



congratulated by Joseph Bordogna, President of the IEEE, on behalf of the IEEE, and all its members. An article on Professor Kotelnikov appeared in the August 1998 issue of the Region 8 News. The accompanying photograph arrived too late to be published in that issue.

## UKRI

### UKRI Section Newsletter

In the past a newsletter provided information to UKRI members. This newsletter will now be available on-line and it is hoped that all members can receive it or view it. It is available on the Web at:

<http://www.ieee.org.uk/news.html>

If you would still like a paper copy then we will try to make this available, please fill in the attached contact slip or email to [s.iezekiell@elec-eng.leeds.ac.uk](mailto:s.iezekiell@elec-eng.leeds.ac.uk).

We would also like to be able to email relevant information to members in UKRI. In order to improve our communication and

### UKRI Contact Details

Name: .....

Membership# .....

Email .....

I would like to receive a paper copy of UKRI News: Yes No

Preferred UKRI news format:

RTF:

PDF text:

or other .....

Please return this slip by 1st March 1999

## UKRI AGM

Thursday 25th March 1999, 5pm  
King's College, Strand, London

### Agenda

1. Matters arising from minutes of the last AGM
2. Election of officers 1999/2000
3. Financial report 1998
4. Electronic communication and the newsletter
5. Any other business

The AGM will be followed by a lecture, details of which will be posted on the Website.

speed news transmission we would be grateful if you could fill in the above slip.

## FRANCE

The French Computer Chapter participated in the organization of the PACT'98 conference which was held at Ecole Nationale Supérieure des Telecom, Paris, 9-13 Oct., 1998. Two students were honored for best paper presentations: Albert Cohen (University of Versailles, France) and Derek Chiou (MIT, USA).

The next PACT conference will be held in Newport Beach, California 12-16 Oct., 1999. (Information – <http://www.cs.njit.edu/pact>).

The French Computer Chapter supports the Europar'99 which will be held in Toulouse, 31 Aug., 1999 to 3 September, 1999 (Information

– <http://www.enseiht.fr/europar99>), as well as the RENPAR'11 Conference to be held in Rennes, 8-11 June, 1999 (Information – <http://www.irisa.fr/renpar11>).

The French CAS Chapter is finalizing its member database and will soon organize its own meetings. Should you be interested in joining the chapter, and/or receiving correspondence from the Chapter Chair, Dr. Konczykowska, please let her have your postal and e-mail addresses. ([agnieszka.konczykowska@cnet.francetelecom.fr](mailto:agnieszka.konczykowska@cnet.francetelecom.fr); CNET/DTD/CBH, 196 av. Ravera, BP 107, 92225 Bagneux Cedex.)

### Les Anciens de la Radio et de L'Electronique

invite you to their next evening lectures, always at 5 p.m., at the headquarters of the FIEEC, 17 rue Hamelin, 75 116 Paris, followed by a cocktail:

- ♦ March 19, 1999, "How to detect fires in Eurotunnel – a true test," by **Guy Roux**, ARE member
- ♦ April 27, 1999, "Satellites and weather forecasting," by **Jean Hamon**, Centre de Previsions Meteorologiques de Lannion
- ♦ June 1, 1999, "Flat screens – new progress," by **Michel Hareng**, Thomson Multimedia
- ♦ June 15, 1999, "Art history and sciences," by **Maurice Bernard**, IG Telecom, Honorary Chair of Laboratoire des Musees de France
- ♦ October 19, 1999, "Race for high communication speed – how and why?" by **Jean Jerphagnon**, Alcatel

Edwige Pissaloux  
[edwige.pissaloux@univ-rouen.fr](mailto:edwige.pissaloux@univ-rouen.fr)



# Society and Chapter News

## LEOS IN R8

*Editor's note: Professor Djan Khoe, Vice President LEOS Region 8 Membership reports on the activities of LEOS in our Region in the December 1998 Electronic Bulletin, which may be viewed on our Homepage (see R8News logo on the front page for the Website address). The following is a summary of his report.*

**G**ary Eden, President of LEOS, reported that rapid growth in LEOS is being experienced outside North America. Almost half of the membership now hails from Europe, and Asia/Pacific. This is reflected in the establishment of no less than 13 LEOS Chapters in Region 8 since 1991. Establishment of LEOS Chapters is actively being promoted. To this end a meeting of LEOS Chapter Chairs was held in Oslo, Norway in 1996, in conjunction with the European Conference on Optical Communications (ECOC'96). A second meeting was held in conjunction with ECOC'97 in Edinburgh, Scotland.

This year the meeting was held in Madrid, Spain in conjunction with ECOC'98. At the meeting Gary Eden presented an overview of LEOS present and future activities. Globalization is a reality in LEOS, as is evidenced by the establishment of the CLEO/Europe and CLEO/Pacific Rim conferences, which LEOS co-sponsors. In region 8 LEOS also co-sponsors ECOC, IPRM, ISLC and OFS.

The Scottish Chapter was named "Chapter-of-the-Year," while the Italy Chapter was recognized as "Most Improved Chapter. The Spain Chapter was honored for the "Largest Membership Increase." Dr. Joachim Wolter received recognition as one of the 1997-98 LEOS Distinguished Lecturers.

Region 8 membership continues to grow. LEOS is particularly concerned with promoting student activities, and to this end a Student Fellowship Program is being established. Students Project Programs and Travel Grants are already implemented to encourage student participation in LEOS sponsored conferences and other activities. More information is available from the LEOS Home Page (<http://www.ieee.org/leos> or the LEOS Executive Office ([g.walters@ieee.org](mailto:g.walters@ieee.org)).

John Marsh, from LEOS' Scottish Chapter, is the incoming LEOS Region 8 Vice President of Membership for 1999.

Djan Khoe  
[Khoe@cobra.tue.nl](mailto:Khoe@cobra.tue.nl)

## SIGNAL PROCESSING

The R8 Committee meeting in Larnaca, Cyprus appointed Dr. Guergana Mollova as Coordinator for all Signal Processing Chapters in our Region, with effect from January 1st, 1999. The corresponding duties of this position include permanent communication between the Coordinator and the Chapter Chairs, support in establishing new SP Chapters (where possible), and organizing one informal meeting per year of the R8 SP Chapter Chairs. For 1999 this meeting will take place at the International Conference on Acoustics, Speech and Signal Processing (ICASSP'99, Phoenix, Arizona, March 15-19). Dr. Mollova will keep contact with the Signal Processing Society administration to support the R8 SP Chapters in their activity. These important goals are a part of the overall Region 8 Chapter Coordination process headed by Prof. Anthony Davies (Chair of R8 Chapter Coordination Committee).

All SP Chapter Chairs are free to contact her at any time with their comments and suggestions.

Dr. Guergana Mollova,  
R8 SP Chapter Coordinator  
[g.mollova@ieee.org](mailto:g.mollova@ieee.org)

## COMMUNICATIONS CHAPTER CHAIRS MEET

The Communications Society Chapter Chairs in IEEE Region 8 met in Florence, Italy from 9-10 October 1998. The meeting was initiated by Jacob Baal-Schem, who is ComSoc Chapters Coordinator for Region 8 and member of the Europe, Africa, and Middle East Board of ComSoc. The meeting was supported by ComSoc and Region 8, and was organized by Jacques Kevers, Manager of the IEEE's Brussels Office. Maurice Papo, and Roberto De-Marca, Director of Region 8 and IEEE Communications Society President-Elect respectively at the time honored the meeting with their presence. At the meeting a variety of matters of common interest were

discussed. Such face-to-face meetings are important for conveying information to officers, as well as to create personal connections between volunteers dealing with similar problems and living thousands of kilometers from each other.

A complete report of the meeting was published in the November 1998 Electronic Bulletin on the Region 8 Homepage (see the R8 News logo on page 1 for the Website address). For more details contact Jacob Baal-Schem (e-mail: [jacob@galcom.co.il](mailto:jacob@galcom.co.il)).

## NEW CHAPTERS

Computer Society Chapter of the Republic of Macedonia Section formed 27 October, 1998. Interim Chair: Katerina Goseva, Partizanski Odredi 149 Porta Vlaj B4 1/73, Skopje 91000 Macedonia

Engineering Management Society Chapter of the Russia Section formed 11 November, 1998, Interim Chair: Livon Martynov, Olchovsky 33 Apt 20, Moscow, 107066 Russia

Expected shortly: Solid State Circuits Society Chapter for Ireland. (within UKRI Section, of course).

## IEEE GOLD

On the 17th of October 1998, IEEE GOLD Benelux organized a conference focusing on space related topics. This conference, organized in co-operation with the Royal Flemish Engineering Society (K VIV), attracted nearly 50 young engineers, fascinated by the subject. A visit to 'Verhaert Design and Development' was followed with talks from three industry representatives.

Verhaert D&D (<http://www.verhaert.com>), located in Kruikebeke, Belgium, is very active in space applications. The company is in charge of the construction of the first Belgian mini-satellite and is responsible for the development of the Fluid Science Laboratory for the International Space Station (ISS). The company visit extensively showed their know-how in the space-business, but not only that. Commercial applications also profit from this know-how: body sensors used in space now find their application in baby-clothing to prevent child death by monitoring the signals of body sensors.

*continued on page 10*



# Awards and Recognition

## WALTER PROEBSTER HONORED

Our friend and colleague Walter Proebster, Director of Region 8 from 1981-82, was honored at the Region 8 Committee meeting in Larnaca, Cyprus "In recognition and appreciation of valued ser-

vices as Membership Development Coordinator for Region 8 from 1983 to 1997." The framed certificate, which was signed by Joseph Bordogna, President of the IEEE, was presented to Walter by Maurice Papo. ♦



Left to right: IEEE President Joseph Bordogna, Walter Proebster, and Maurice Papo, outgoing Director for IEEE Region 8.

## DEADLINES

The attention of potential contributors to the R8 News is drawn to the deadlines for the May 1999 issue of the R8 News. In view of the tight deadlines for the IEEE Spectrum only a limited amount of material submitted after the deadlines will be able to be handled for a week or so after the dates given below. Publication space may be a limiting factor for such material.

May 1999 – material to reach me by 8 March 1999.

– Duncan Baker  
Editor, R8 News

## From the Outgoing Director *continued*

There is a need to automatically translate from English (the "official" language of the IEEE) into other languages.

♦ Programs for Sections experiencing financial difficulties. The need here is great. Many Sections have an urgent need for computer facilities, IEEE publications, and support from the Volunteer Contribution Fund. Other initiatives include:

♦ Visits by Chairs to neighboring Sections and Membership Advancement.

♦ Cooperative standards efforts between IEEE and the European

Telecommunications Standards Institute

♦ Development of volunteer programs.

♦ Electronic Communications – visit the Region8 Homepage (see logo for the Website address). Our expanded Region 8 News is now available on line before it is mailed to members as hardcopy. A monthly Electronic Bulletin is available.

♦ As part of ongoing commitment to supporting Student Branch activities, a very successful Student Branch Congress was held in Turkey.

During my tenure Region 8 has shown significant growth in membership (including Society membership) at all levels, as well as in Chapter activity. This serves as an example to other Regions of the IEEE.

I feel privileged to have served the interests of Region 8 on many Standing Committees of the IEEE, and to have been able to cooperate with other Boards who share our commitment to education and development of standards. I have also actively encouraged participation of Region 8 members (and by implication also Regions 7, 9 and 10) on these Standing Committees.

By working with the IEEE staff at Piscataway, I have also been able to initiate procedures and practices, which are to the

advantage of Regions outside North America.

Standing down as Director does not mean that I will end my involvement in, and commitment to Region 8. On the contrary I may be even busier than ever before in making sure that our Region's interests will be served because of involvement with a number of IEEE entities. Moreover, I will be able to serve the wider interests of the IEEE as, amongst others, I have been appointed Secretary to the IEEE.

I have no doubt that you will give our incoming Director, Rolf Remshardt, the same friendship, encouragement and support as you have given to me over the last two years.

My best wishes to all of you for continued success in your IEEE activities, as well as your professional and private lives. ♦

Maurice Papo  
[m.papo@ieee.org](mailto:m.papo@ieee.org)



# From the Regional Director *continued*

Congress in Istanbul, where about 51 of the more than 100 R8 Student Branch Chairs met with each other. Students from 24 different countries, cultures and languages came to Istanbul, representing their branches & activities, working together and making new contacts and friends. Region 8 hosted this event which was unique in IEEE worldwide. I hope that other regions will follow this successful pilot project.

I only want to select one representative comment from several e-mails I received after the meeting: "It was one of the most memorable events in my life... where I learned what it is all about to be an IEEE student member."

I will be working with Dr. Gozde Bozdagi, our very active Student Activities Vice Chair to further enhance and improve our R8 Student programs and to make the necessary funds available. Gozde is planning to increase her student staff for better communication and closer cooperation with the increasing number of R8 Student Branches. If you have striking new ideas, please let us know and contact Gozde (g.bozdagi@ieee.org) or myself.

## Membership Development / Recruiting

Although we did not put a high priority on Membership Development efforts during the past 5 years, Region 8 is one of the fastest growing regions in IEEE. This convinces me that R8 still has a high potential for further membership increase, particularly if we succeed in recognizing and solving the problems of those members in arrears who are about to leave and do not want to renew their membership. I believe there is a wide range for possible future MD activities, and I am looking forward to working on this with our new Vice Chair Membership Activities, Prof. Raul F.M. Vidal.

There is another subject, which is one of my most serious concerns. Someone has said, "Wisdom and experience comes with age." Region 8 has a lot of still very active and experienced officers, who have served for many years and contributed much to the success of our region. Nature, however,

has her own bylaws and one of them makes everybody one year older after every 12 months of work. Sooner or later several R8 officers will not be able to serve anymore. This will cause a severe manpower gap in Region 8. We desperately require new blood for future active support in our region with all the enthusiasm and fresh ideas, which usually come along with it. We do need younger active Volunteers, willing to serve in all functions of the region and possibly later as our R8 representatives on US Committees and Boards. Let me describe three potential scenarios:

- a) A student member, who was already active in his Branch, has just graduated, is starting his professional career, and will find the time and enthusiasm to become an active Volunteer, would be "The Ideal Case." Luckily we have a few in R8, but not enough. (We of course welcome all young engineers, especially those willing to become active members.)
- b) There will be other members or non-members, who have already reached satisfaction in their professional career and still want to enrich their life with a new challenge. They should become IEEE Volunteers as well and transfer their professional experience and fresh ideas into new activities in Region 8.
- c) There will be IEEE colleagues on early retirement, but still dynamic and active, ambitious and "young" enough for further achievements. They could still become IEEE Volunteers and contribute their experience to the benefit of our Region.

All those colleagues and many others will be welcome to join the IEEE Region 8 crew at a Region, Section, or Chapter level and benefit from the rewarding experience of being an active IEEE R8 Volunteer. If YOU, the reader of this page, or one of your friends happens to be in one of the above described situations, or if you feel it would be just great to become more active in the IEEE, the world's largest association of electrical engineers, contact Region 8 directly, either myself or any officer, and give your name, mail or email address or that of your friend.

I am sure you will enjoy being a member of the large IEEE R8 family like many of us do. You will be happy to visit and meet colleagues with similar technical interests and to make and have friends in all countries of the world.

## Other Support

During my term of office, I will try to concentrate on the needs of our members in the region. I would like to better understand the bottlenecks and problems of our Sections, Chapters and Branches, in particular in areas of difficult infrastructure and try to help, give directions or support as much as I can. If you are planning for new activities and you need advice and help, or if you have to solve any IEEE related problems, please feel free to contact me. It is not always money, which solves a problem, although it may help in some cases and there are programs available in IEEE, which are often not known to all members. A Section Chair might prefer to discuss his projects personally with me and demonstrate his activities on the spot. In those cases I would welcome an invitation and I will be happy to visit the Section in order to discuss ideas or problems together with the Section Chair and his officers.

There are many other topics, which I will address in one of the next Region 8 News.

Stepping in as the new Director is like switching on a new electrical circuit. Due to unavoidable "inductances and capacitances" it will either oscillate or turn on rather slowly during transition time until it reaches its steady state condition. A good engineer designs it for the aperiodic case; I will try to be a good engineer...

Do not forget to visit the new IEEE Website and click on our R8 Home Page as well. As you know, we have a monthly R8 Bulletin Board in the Web with the latest information from the region

I wish you a Happy and Successful New Year and I am looking forward to fruitful cooperation with all of you. ♦

Rolf Remshardt  
r.remshardt@ieee.org



Mr. Luc Van Humbeek was the daring opener of our afternoon lectures. Founded in 1920, his company SABCA - Société Anonyme Belge de Constructions Aéronautiques - was one of the very first aircraft designers and manufacturers in the world (<http://www.charline.be/sabca>). Today, Sabca is a 1500 people private company in the aerospace sector and runs three production plants in Belgium. Sabca has know-how in design, development, manufacturing, assembly, integration and test. Mr. Van Humbeek illustrated his presentation with various pictures of the development and manufacture of the large skirts (Ariane Boosters), conical structures (Atmospheric Re-entry Demonstrator, Crew Transfer Vehicle), servoactuators (Ariane), servomechanisms (European Robotic Arm on the ISS) and heat transfer devices (satellites).

Skybridge is not used for transportation. That was clear after Mr. J Geenens (Alcatel Space) told us all about this satellite based system allowing global access to modern communication technology. This includes multimedia applications such as internet access and high speed data communication. Skybridge (<http://www.skybridgesatellite.com>) has three communication levels.

The user sends and receives his data from/to one of the 80 Low Earth Orbit Satellites through an asymmetrical link. (20Mbps to the user, 2Mbps on the return link). The satellite sends the data to a gateway ground station, which is connected to terrestrial broadband and narrowband networks through an ATM switch. Because all the switching is done on the ground, a low cost link to the satellite can be used. Skybridge is expected to go into operation by the end of 2001.

Fokker Space was represented by Mr. Frits Teule, who inspired us with his knowledge on the European Robotic Arm (ERA). The ERA is an intelligent space robot that will be used for assembling and servicing the Russian segment of the international space station (ISS). The most prominent feature of ERA is its ability to "walk" around the exterior of the ISS, hand-over-hand, between pre-fixed base-points. As prime contractor for the ERA, Fokker Space is responsible for the design

and development of the complete robotic arm system.

Shouldn't the IEEE be networking space in the future?

Report by K VIV-Jongeren and IEEE GOLD Benelux, Sammy Martens ([s.martens@ieee.org](mailto:s.martens@ieee.org)).

*ir. William Watté ([w.watte@ieee.org](mailto:w.watte@ieee.org))*  
*IEEE GOLD Region 8 Representative*

## ENGINEERING MANAGEMENT SOCIETY

*Editor's note: Cinda Voegtli and Pedro Mendes presented a very successful seminar on Engineering Management to delegates at the Region 8 Committee Meeting in Larnaca, Cyprus during October 1998. Because of the positive impression this seminar made, she was invited to write a short article presenting Engineering Management to readers of the IEEE R8News.*

Just what is Engineering Management? Can members of IEEE benefit from a knowledge of engineering management on the job, and in our IEEE duties? The IEEE's Engineering Management Society believes they can, and we are dedicated to bringing engineering management resources to our colleagues.

This October, EMS provided a new program to the IEEE Section leadership of Region 8 to do just that. By invitation of Region 8 Director Maurice Papo, EMS delivered a seminar on key engineering management topics with 27 section chairs and Region 8 officers from academia, industry, and government. The day-and-a-half course covered strategic planning and resource management; systems engineering; financial management issues; project management fundamentals; meeting management; leadership and teambuilding; and managing joint ventures. The course covered key principles, management techniques, group discussion applying the subjects to our professional situations, and related exercises. Cinda Voegtli, President of EMS, and Pedro Mendes, an EMS member from the Portugal section, delivered the course. The materials were created by five EMS members, Mike Aucoin, Wade Shaw, Cinda Voegtli, Pedro Mendes, and Jon Beard.

The participation, feedback, and evaluations from the Section leaders indicated that engineering management is definitely applicable to their work, whether or not they are currently managers. We greatly enjoyed the interaction with our IEEE colleagues and what we learned about their management perspectives and needs. EMS is exploring the idea of offering this course or subsets of it to other groups. If you might be interested in bringing Engineering Management to your section or chapter, contact Mike Aucoin, VP of Education, at [m.aucoin@ieee.org](mailto:m.aucoin@ieee.org).

The Engineering Management Society exists to serve the management-related needs of technical professionals. The benefits we provide to members include:

- ♦ the Transactions on Engineering Management, a research journal;
- ♦ the Engineering Management Review, a reprint journal of the best recent articles on engineering, technology, and project management from respected publications;
- ♦ the Engineering Management Newsletter, with EMS news, events, and articles of interest to members;
- ♦ educational resources such as conferences, seminars, products, on-line materials, and books; and
- ♦ local chapters worldwide.

EMS currently has Region 8 chapters in Benelux, Belarus, and Russia. Chapter formation activities are beginning in United Arab Emirates, Italy, Austria, Central Europe, Ukraine, Portugal, and Germany. If you'd like information on an EMS chapter in your area, or instructions for starting one, contact our chapter coordinator Tom Briscoe at [t.briscoe@ieee.org](mailto:t.briscoe@ieee.org).

We express our thanks to Maurice Papo and Region 8 for the excellent seminar collaboration, and this opportunity to let you know more about the Engineering Management Society. We invite you to join EMS and look forward to serving you in the future!

**Biography:** Cinda Voegtli, BSEE, is president of the IEEE Engineering Management Society and head of Emprend Venture Partners LLC, a management services firm in California's Silicon Valley. She has 18 years experience in hardware and software development, engineering and project manage-



## Society and Chapter News *continued*

ment, and product development process improvement in a variety of industries. She previously served as an EMS Chapter Chair and the Society's Chapter Coordinator. She can be reached at [c.voegtli@ieee.org](mailto:c.voegtli@ieee.org).

*Cinda Voegtli*

*IEEE Engineering Management Society*

### ENGINEERING MANAGEMENT IN BENELUX SECTION

Efforts to start the Chapter started in June 1998. Thanks to the enormous support of Cinda Voegtli (EMS President) and Tom Briscoe (Chapter Coordinator) things went very rapidly. The Chapter was officially registered on 24 July 1998. The first meeting of the newly formed Chapter was on 25 August 1998 at IBM Amsterdam. The aim of the EMS Benelux Chapter is the promotion and development of Knowledge Management and Management

Knowledge within organizations. The main objectives are improvement of competitive power by employing an integral and problem oriented approach to knowledge management and management knowledge.

We elected as Chapter Chair: Sander Nijbakker ([nybakke@ibm.net](mailto:nybakke@ibm.net)) and as Vice-Chair and Program Chair: Robert Bierwolf ([robert.bierwolf@convergys.com](mailto:robert.bierwolf@convergys.com))

All other committee posts are temporarily held by Sander Nijbakker. Anyone else interested to participate?

There were two presentations at the meeting - one on Knowledge Management and one on Management Knowledge.

On 12 November 1998 the Chapter was presented at the ExCom meeting (Executive Committee IEEE Benelux).

In February the theme of the General Meeting of IEEE (Combined with IEE and

NERG) will be Engineering Management. I will keep you informed using the web-site.

Those who want to receive hard-copy mail, please let me know.

Anyone interested in participating or providing suggestions are asked to contact:

Sander Nijbakker, Vlamoven 18, 3402 SE Ysselstein, the Netherlands or [nybakke@ibm.net](mailto:nybakke@ibm.net)

For those interested in the presentations of the first meeting - they are available on the web at <http://www.medfac.leidenuniv.nl/ieee/chapters.htm>

Of special interest are the built in (very) hot links.

Please let me know what you think about the website. ♦

*Sander Nijbakker*

*IEEE Benelux EMS Chapter Chair*

## Conference News

### ADVANCES IN MECHATRONICS

#### The 2nd International Conference on Recent Advances in Mechatronics-ICRAM'99

Will be held from 24 – 26 May, 1999, in Istanbul, TURKEY

The conference is organized by: UNESCO Chair on Mechatronics, Bogazici University, Mechatronics Research and Application Center, Bogazici University

Co-sponsored by: IEEE Industrial Electronics Society and the IEEE Robotics and Automation Society.

For further information, either contact [icram@boun.edu.tr](mailto:icram@boun.edu.tr),

or visit the conference Homepage at: <http://mecha.ee.boun.edu.tr/icram99.html>

*Dr. Okyay Kaynak*  
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*kaynak@boun.edu.tr*

### IEEE POWER TECH CONFERENCE

The next IEEE Power Tech Conference will be held in Budapest, Hungary, from 29 August - 2 September 1999. Unfortunately the announcement arrived too late for the November 1998 issue of the

R8 News. More details can be found in the November Electronic Bulletin on the R8 Home Page (See logo on front cover).

Subjects include, but are not limited to, Electric power systems planning; Electric power systems operation; Insulation of transmission lines, substations and equipment; Application of power electronics in power systems; Power system and environment. For more information, contact the Conference Secretariat:

[pwrt99@vmt.bme.hu](mailto:pwrt99@vmt.bme.hu)

Home page of the conference:

<http://www.vmt.bme.hu/powertech99>.

*Dr. Gabor Ban*

*Technical University of Budapest*  
*Department of Electric Power Systems*  
*Phone: 36 1 463 2737*

### ECCTD'99

The European Conference on Circuit Theory and Design (ECCTD'99) will be held in Stresa, Italy, 29 August - 2 September 1999, under the Chairmanship of Prof. Pier Paolo Civalleri. The biennial event is sponsored by the European Circuits Society, with the co-sponsorship of the IEEE Circuits and Systems Society.

The deadline for submissions (extended summaries) is 31 January 1999. Six copies should be sent to Prof. Claudio Beccari,

ECCTD'99 Technical Program Chairman, CCI-Centro Congressi Internazionale, Corso F. Ferrucci 6, I-10138, Torino, Italy (also see <http://www.ibow.com/cci/ecctd99/>)

### SCS'99

The Fourth International Symposium on Signals, Circuits & Systems, will be held in Iasi, Romania, from 6-7 July 1999, under the Chairmanship of Prof. Liviu Goras. It is being organized by the Faculty of Electronics & Telecommunications of the Technical University Iasi and the IEEE Romania Section Circuits and Systems Chapter, co-sponsored by the IEEE Circuits and Systems Society, in cooperation with IEEE Region 8. Iasi, the Romanian city of seven hills, is one of the oldest cities in Romania and its oldest academic center. It is located in the N-E part of the country and can be reached from Bucharest in 5 hours by train or in 1 hour by plane.

Deadline: four copies of papers by 15 January 1999 to: SCS'99 International Symposium, Faculty of Electronics & Telecommunications Bvd. Copou 11, Iasi, 6600, ROMANIA (also see <http://www.tuiasi.ro/events/scs99>)

*continued on page 12*



# Voluntary Contributions Fund

In 1994 the Region 8 Committee decided to encourage members in the region to add a voluntary donation to their annual dues payment to provide extra financial support for the IEEE members living in low income countries, especially in Eastern Europe and the countries of the former Soviet Union. The Committee recognised that in many cases members were unable to travel to conferences to present papers or could not afford to buy the IEEE publications that they needed for their work. In addition we knew that by establishing some local office or infrastructure a Section could develop its services to members more rapidly, and also build up its membership to a critical level where real progress becomes possible.

Since its inception the VCF has raised over \$30,000 from members' donations. The Committee pledged to match the funds donated in the first three years and so the Region has added a further sum of over \$17,500. It is particularly encouraging that members in Region 8 continue to contribute each year, allowing more projects to be funded and more requests for help to be met.

The ground rules established at the outset included the restriction that none of the money would be used to pay members' dues, and only IEEE members travelling to IEEE conferences would be considered for grants for authors. Priority has been given to helping individuals

rather than, for example, to the purchase of hardware.

Reviewing the expenditure over the past 4 years, the bulk of the money has been targeted at Eastern Europe and Russia. This is because these Sections were in a very early state of development in 1994, with generally small membership and limited resources. In two Sections it was decided to establish offices, on a trial basis, to provide a focus for IEEE activities and to aid the recruitment of members. In Budapest, jointly with the IEE (UK), an office was opened in the Hungarian National Society building. In Moscow, an office was set up at the Institute for Radioengineering and Electronics of the Russian Academy of Sciences. More recently an office has been created in Varna, in Bulgaria, to serve the members more effectively.

The results of these experiments have been broadly encouraging, particularly in respect of membership growth and Chapter development, and we hope in the future to extend this model to other low income countries. Laptop computers have been donated through IEEE Headquarters to a number of Sections to improve local administration.

The program of travel grants to members presenting papers at IEEE conferences in Region 8 has benefited over 40 members so far. Funds have also been used to send a large quantity of IEEE books and journals to libraries in needy Sections, and to pro-

vide microfiche readers to libraries participating in the IEEE journal project supported by 20 IEEE Societies.

The latest project, started in 1998, is providing 12 Student Branches in Region 8 with the All Society Magazine Package, entirely free of charge. We hope to extend this scheme to as many Student Branches as possible, as funds permit, on a subsidised basis in future.

In conclusion, Region 8 is the first in IEEE to introduce a voluntary contributions fund and believes that the scheme has been very successful. Its future depends on the generosity of the members in the higher income parts of the Region. This is a good opportunity to thank the several thousand members who have made donations. We hope that they agree with the Committee that it has been worthwhile.

## Financial Summary 1994-1998

Total income from donations	\$32,806
Matching funds from Region 8	\$17,682
Grand Total	\$50,488
Expenditure	
Office support	\$12,000
Conference Travel Grants	\$11,100
Books, journals	\$10,100
Student Branch support	\$4,800
Grand Total (to Sept. 1998)	\$38,000 +

Charles Turner

Co-ordinator for Voluntary Contributions Fund  
c.turner@ieee.org

## Conference News *continued*

### NDES'99

The Non-linear Dynamics of Electronic Systems conference will be held from 15-17 July 1999, under the Chairmanship of Prof. Erik Lindberg of the Technical University of Denmark. This annual event is sponsored by the IEEE Circuits and Systems Society, in association with the European Circuits Society, and IEEE Region 8.

Send summaries of 300-1000 words before 9 March 1999 to the Technical Program Chair, Prof. Wolfgang Schwarz, ndes99@iee1.et.tu-dresden.de (also see <http://www.iee.et.tu-Dresden.de/~ndes99>)

It is hoped that some financial support will be available, to assist attendance by participants from countries in

Central and Eastern Europe who are IEEE members.

### EDMO'99

The 7th IEEE International Workshop on High Performance Electron Devices for Microwave & Optoelectronic Applications will be held from 22-23 November 1999, in London, United Kingdom.

Web site <http://www.eee.kcl.ac.uk/COE/edmo99.html>

### ABSTRACT AND PAPER SUBMISSIONS:

Abstract Due: 10th September 1999

Final Paper Due: 18th October 1999

ORGANISER: The workshop is jointly organised by King's College London and

the IEEE UKRI Microwave Theory & Techniques Society, Electron Devices Society, Antennas & Propagation Society and Lasers and Electro-Optics Society (MTT/ED/AP/LEO) Joint Chapter.

It has technical co-sponsorship from the Electron Devices Society, and financial support from the Antennas & Propagation Society and the Lasers and Electro-Optics Society

Contact:

Dr Ali A Rezazadeh, Dept. of Elec. Eng., King's College London,  
Strand, London, WC2R 2LS, UK  
Tel/Fax: +44(0) 171 873 2879  
E-Mail: [ali.rezazadeh@kcl.ac.uk](mailto:ali.rezazadeh@kcl.ac.uk) +



# MELECON'2000

## 10th Mediterranean Electrotechnical Conference

May 29-31, 2000, CYPRUS

### Call for Papers

#### Information Technology and Electrotechnology for the Mediterranean Countries

♦ IEEE Region 8 ♦ IEEE Cyprus Section ♦ IEE Cyprus ♦ Cyprus Professional Engineers Association  
♦ University of Cyprus

Throughout the world, electrotechnology and information technology form the basis of an entirely new era in professional practice and the delivery of services. It is characterized as a revolution based on information, hoping to improve the quality of life. This is especially important in the Mediterranean region, which bridges countries from three continents, Europe, Asia and Africa. Thus, the special theme of the conference has been selected to be: **Information Technology and Electrotechnology for the Mediterranean Countries**. The topics of interest of Melecon'2000 include, but are not limited to:

- ♦ **Regional Communication and Information Technology:** Internet Services and Applications, Wireless, Cellular and Mobile, Communications, High Performance Networking, Intelligent Networks, Network Design, Control and Optimization of Communication Systems, Network Reliability and Quality of Service, Optical Systems and Networks
- ♦ **Signal and Image Processing:** Speech Processing, Digital Signal Processing, Statistical Signal and Array Processing, Image and Multidimensional Signal Processing, Neural Networks, Multimedia Signal Processing
- ♦ **Power Generation Supply and Renewable Resources:** Generation, Transmission, Distribution, Intelligent Monitoring, Privatization and De-regulation of Electric Power, Information Technology Applications, Cable Technology.

#### SUBMISSION OF ABSTRACTS:

Prospective authors are invited to submit four copies of a 250-word abstract, no later than **September 30, 1999**. Notification of acceptance of abstracts will be sent out by **November 30, 1999**. This is to be followed by four copies of a camera-ready paper, no longer than four pages, including figures and references. More information on the format of the final papers will be supplied on receipt of your abstract as well as on the Web.

#### FEES:

Early/late registration fees: IEEE and IEE members \$190/210, non-members \$230/260, and students \$120/130.

#### STEERING COMMITTEE:

*Chairs:* C.S. Pattichis, C.N. Schizas, L. Savvides; *Vice-Chairs:* A. Kellas, K. Diamantides, N. Timotheou; *Technical Programme i Regional Communication and Information Technology:* E. Protonotarios (*Chair*), A.Y. Bilal (Egypt), P. Constantinou (Greece), M. Dikaiakos (Cyprus), G. Georgiades (USA), P. Ioannou (USA), R. Kantola (Finland), M. Kos (Croatia), G. Malliotis (Cyprus), G. Paunovic (Yugoslavia), A. Pitsillides (Cyprus), G. Samaras (Cyprus); *iSignal and Image Processing:* C.L. Nikias (*Chair*), A. Antoniou (Canada), A.G. Constantinides (UK), C. Charalambous (Cyprus), S. Kollias (Greece), V. Koivunen (Finland), J.N. Kolev (Bulgaria), S. Panis (Cyprus), A. Spanias

(USA), J. Tasic (Slovenia), A.J. Weiss (Israel); *i Power Generation Supply and Renewable Resources:* B. Papadias (*Chair*), S. Bergman (Sweden), A. Braunstein (Israel), D. Feretic (Croatia), N. Hatzigiorgiou (Greece), E. Lakerri (Finland), A. Theofanous (Cyprus), R. Turri (Italy); *International Publicity:* J. Baal – Schem, A. Constantinou (*Chairs*), *Treasurer:* C. Economides; *Publications:* S. Spyrou; *IEEE Region Representative:* B. Zajc; *Local Arrangements:* C. Stasopoulos, P. Symeou (*Chairs*), T. Falas, G. Ioannou, S. Soteriou, S. Stylianou, M. Papaconstantinou, A. Embedoklis (*Exhibits*); C. Zervos (*Student affairs*).

#### MORE INFORMATION:

**URL:** <http://www.cs.ucy.ac.cy/melecon2000.html>; Constantinos S Pattichis, or Christos N Schizas, Department of Computer Science, University of Cyprus, P.O. Box 20537, CY-1678 Nicosia, CYPRUS, Tel no: +357-2-338705/06, Fax no : +357-2-339062, Email: {pattichi}{schizas}@ucy.ac.cy; Lazaros Savvides, Ministry of Communications and Works, Cyprus, Tel no: +0+357-2-302268, Fax no: +357-2-670578, Email: dirtelcom@mcw.gov.cy

By responding to this notice you are expressing your interest in Melecon' 2000, ensuring you will receive further announcements. A suitable form for completion is available on the website given above. ♦





**IEEE**  
Networking  
the World™

**Editors:** Levent Onural Region 8 Vice-chair (Student Activities) l.onural@ieee.org Gozde Bozdagi (Student Activities Chair) bozdagi@baskent.edu.tr Jens Hannemann (Student Representative) j.hannemann@ieee.org

## Editorial

Hi folks,

As you could see from the last issue, there's a lot of activity within IEEE coming from the Middle Eastern countries nowadays. As a consequence of that, our Student Activities Chair, Gozde, has visited Iran just recently and you can read a really interesting report from her in this issue.

I would like to apologize to all of you who suffered under my increased response time in the last few months. I moved to the very north of Germany and was pretty busy during that time, so I wasn't able to commit as much time to IEEE as would have been necessary. My new mailing address is:

Jens Hannemann  
Gausstr. 38  
24143 Kiel, Germany

My email, thanks to the IEEE alias, is still j.hannemann@ieee.org.

Once again, thanks to all who contributed to this issue directly (like the IEEE SB Eindhoven) or indirectly (like Ali Sharokni from the Tehran Branch, whose report was parallel to Gozde's and therefore didn't make it into this issue). It's really a pleasure to be your editor...

*Jens*

## STUDENT PAPER CONTEST IN EINDHOVEN

After the success of Martijn van Beurden, who won the second prize of the Region 8 Student Paper Contest (SPC) of 1997, the IEEE Student Branch Eindhoven will also submit student papers to the SPC to be held in Slovenia next year.

For the Region 8 Student Paper Contest (SPC), the Student Branch Eindhoven is allowed to submit 3 papers. However, because the number of participants was greater a so-called Local Student Paper Contest (L-SPC) was organized by the branch. The five participants each presented their graduation report in a twenty minute lecture for a jury of experts. After the presentation there was some time for discussion and questions. The jury consisted of four professors of the Eindhoven University of Technology, and a professor from Philips Nat.Lab. Three of the jury members won themselves a best paper award in earlier contests and thus were familiar with the concept of the SPC.

The range of topics of the presentations was very broad, varying from power electronics for railway systems, via signal processing for radar-applications to character recognition in computer vision systems. For one of the participants it was impossible to physically be at the L-SPC at the given time. Accordingly a video recording of his presentation was shown to the jury, and questions could be submitted via the IEEE Internet Relay Chat Channel to the contestant who was in Paris at that moment.

After the five presentations, the participants, as well as the audience, were invited for a drink. The jury, however, had the difficult task to decide which three papers can be send to the SPC to be held in Slovenia, in June 1999. After a thorough discussion, they managed to determine

which three students were allowed to send in their paper.

It was an exciting day and we can recommend other Student Branches to organize such an event, because it's not only a perfect way to find the best candidates, it also promotes the IEEE Student Branch and its activities.

*Vick van Acht*

*Secretary IEEE SBE 1998/1999*

## BULGARIAN STUDENT BRANCHES MEET

On 18th Nov. 1998, the first meeting of the IEEE Student Branches in Bulgaria took place. Initiator was the Student Branch in VVUAPVO - Shoumen. At the meeting were the Bulgarian Section of IEEE and its chair Jordan Kolev. There were also the administrations of five Student Branches from the technical universities in Sofia, Varna, the University in V. Tarnovo, VVOVU "V.Levski", students and teachers from the Technical University in Gabrovo, and VVVU "G.Benkovski" - D.Mitropolia, who wanted to establish their own Student Branch. All in all, there were 19 participants.

The meeting was opened by the counselor of Shoumen Students Branch (SSB) - professor D.Miterv. After that, all participants introduced themselves and talked about their work, about achievements and difficulties that they encounter within their work. Professor Kolev presented to the participants the big potential, which IEEE holds out to the students and teachers either for scientific exchange or professional contacts with colleagues from the whole world.

The participants were informed about the meeting between the representatives of Student Branches in Region 8, which took place in August in Istanbul, by the representative of the Student Branch in Sofia - Nedko Nedev. There was exchange of



experience.

At the end of the meeting the opinion of all participants was that it would have a significant, positive role for the further development. It was the first but in no case the last meeting. It was decided that the next meeting of the Student Branches would be in the beginning of May 1999.

*Professor D. Mitrev*

*e-mail:mitrev@mail.mu-shoumen.acad.bg*

## IRANIAN STUDENT CONFERENCE

In this article, I want to talk about two branches in Iran. In the November Region 8 Student News, there was a case study on the Tehran university student branch. Although, it has been established recently, students started to organize not only technical but also social activities starting from the first day with great success. Another branch from Iran, Sharif University Student Branch, is also as active as the Tehran branch.

From 18-20 November, Sharif University took part in the organization of the First Iranian Student Conference on Electrical Engineering (ISCEE'98). During the three days of conference, there were presentations about all disciplines of electrical engineering not only given by students but also by invited professors. More than 1000 students attended the conference from all over the country. Also several IEEE sessions were being held during the conference where students could learn about the benefits of being an IEEE member and also discuss their problems. Although it was a very big event, students managed to handle the organization successfully.

One major thing I noticed during my presence at the conference and visit to Tehran University afterwards was that, although they are at the beginning of their career, all the members of the two Student Branches have already gained the valuable leadership experience and also developed interpersonal skills. This is a very important

advantage for an engineer that helps throughout his/her professional career and one can get it through being an IEEE member and volunteer. So do not hesitate to take active part in your Student Branches and become volunteers.

*Gozde Bozdagi*

*R8 Student Activities Chair*

## SB EINDHOVEN TOURS CANADA

Last summer, the Student Branch Eindhoven went on a transatlantic study tour to Canada and New York. Just as in previous years, a committee of 7 Student Members was installed to organize the annual study tour. But this time they wanted to explore the field of electrical and electronics engineers outside Region 8! So in August '97 the organizers started with fundraising by addressing companies that could be interested in student activities with an electrotechnical background. This turned out to be successful and "CONTACT", Connecting Our Nations Through an Academic Canadian Tour, was a fact.

A three week program was put together with help of the many IEEE (Student) Members overseas. Because of their contacts within companies, visits could be organized more easily. Companies like Nortel, IBM, Ontario Hydro, Canadian

Space Agency, Bell Labs and Philips were just a few of the many companies that were willing to host a group of 18 Dutch students and 1 counselor. Together with the visits to the Canadian Student Branches the program got real full, but still there was some time for fun like White Water Rafting on the Ottawa river and trips to the Niagara Falls and Canada Wonderland, an amusement park with over 12 roller coasters! Three major cities in the east of Canada: Toronto, Ottawa and Montreal, and one in the United States: New York, were the goals of the five rented cars and a lot of enthusiastic students.

Our Canadian colleagues of the Region 7 Student Branches told us that they never had thought the Branch would succeed in organizing this tour, so you can imagine their faces when they shook our hands in person. The committee is now finalizing the organization by editing a video tape and a travel report which (soon) can be read on our web site <http://www.ele.tue.nl/ieeesb>. Student Branches, who would like to receive a report or information on how to organize such a tour, can send an e-mail to [ieeesb@ele.tue.nl](mailto:ieeesb@ele.tue.nl). ♦

*Alwin Groot Bluemink*

*Chair IEEE SBE 1998/1999*

## Deadlines & Upcoming Events — 1999

**February 28** -Outstanding Counselor Award nominations due at Student Services

**March 1** - Half—Year dues cycle begins

**March 1** -Outstanding Student Award recipient should be named to Student Services. Allow 4 weeks for preparation of certificates (and additional time for mailing)

**March 31** -Larry K. Wilson Award nominations deadline (send nomination to RSAC (Gozde Bozdagi)

**April 1** -Elections for new branch officers

to be held. Inform Student Services about new officers and counselor.

**May 1** -Annual Report must be submitted to Student Services. \$1.10 per member rebate checks will be issued only upon timely receipt of the Annual Report!

**June** -Student Paper Contest Finals will be held at the ISIE '99 in Bled, Slovenia.

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



# First IEEE/RPS Joint Conference on Internet Technologies and Services (Moscow Inet'99)

Moscow, Russia, October 25-28, 1999

The conference promotes the exchange of scientific, technical, and operational information on existing and emerging Internet technologies and services among members of the IEEE Communications Society, IEEE Region 8, Russian Popov Society, and members of the international technical community. The official language of the conference will be English. Proceedings of the Conference will be published by IEEE. The sponsors are the IEEE Communications Society, the Russian Popov Society for Radio Engineering, Electronics and Telecommunications, and IEEE Region 8.

## Program Format

The conference will begin with two 3-hours tutorials, on IP Telephony and on Quality-of-Service in the Internet, on the afternoon of October 25, 1999. The tutorials will be followed by a series of single-track technical sessions on October 26 and October 27. On October 28, a Technical Visit to the Russian Center for Internet Technologies will be organized.

## Scope and Topics of Interest

Contributions are solicited in all areas related to Internet research, technology, services, infrastructure and operational experience, including but not limited to:

**Infrastructure and Operations  
Protocols and Technologies  
Applications and Services**

## Submission Instructions

Authors are invited to submit either full papers or position statements for review. All submissions will be peer reviewed under the supervision of the Technical Program Committee. To expedite the reviewing process, all paper submissions and reviews will be handled electronically. Complete instructions on how to submit your paper and go through the different steps of the submission process are provided at: <http://www.cs.columbia.edu/~hgs/edas/its99>

In case you are encountering problems with the submission process, you can contact Dr. Roch Guerin, the Technical Program Chair, at: Dr. Roch Guerin, Technical Program Chair

University of Pennsylvania, Dept. Elec. Eng., Room 367 GRW  
Philadelphia, PA 19104-6390, U.S.A.  
phone: +1 215 898-9351,  
email: [guerin@ee.upenn.edu](mailto:guerin@ee.upenn.edu)

## Important Dates

Submission of full papers or extended Abstracts: March 1st, 1999  
Notification of acceptance: May 10, 1999  
Camera-ready papers due: July 19, 1999  
Conference and tutorials: Oct. 25-28, 1999

Registration and Accommodation Information Contact:

Michael Ellis, Manager, IEEE travel and Conference Management Services  
445 Hoes Lane, Picataway NJ 08855-1331, USA  
Phone: +1 732 562 5362  
(Toll Free 1-800 810 4333)  
Fax: +1 732 981 1203  
E-mail: [m.ellis@ieee.org](mailto:m.ellis@ieee.org) ♦

## Region 8 Committee Meets in Larnaka, Cyprus

The Committee for IEEE Region 8 consists of a number of elected and appointed office bearers, including the Section Chairs or their representatives. The Committee meets twice a year at different venues in Region 8. The Cyprus Section hosted the Region 8 Committee meeting at the Sandy Beach Hotel in Larnaka, Cyprus from 17-18 October 1998.

We were privileged to have a number of IEEE office bearers present. These included J. Bordogna, IEEE President, D.R. Benigni, Vice President, Regional Activities Board, C.K. Alexander, Past President of the IEEE, T.W. Hissey, Director Emeritus, and A.C. Bastos, IEEE Secretary. Other observers were J. Kevers, Manager of the IEEE's European Operations Center in Brussels, K. Diamantides and A.M. Constantinou, Past and Founder Chairs of the Cyprus Section respectively.

On 17 October Antonio Bastos, a Past Director of IEEE Region 9, conducted a workshop on Section/Chapter support. A number of issues of concern to Region 8

were identified, and proposals made as to how to resolve them. These issues include:

- IEEE database problems
- Finding new volunteers
- Industry relations
- Legal recognition of IEEE in Region 8
- Guide for volunteers in Region 8
- Member benefits in Region 8
- Conference information
- Membership development at conferences and exhibitions

During the caucus meeting of 17 October various committee members with specific portfolios reported on their handling of these portfolios. Many issues are resolved during caucus prior to the formal session.

During the formal meeting the Director presented his report (see "From the outgoing Director" on page 1). Region 8 operates on a strict budget, and the Treasurer's report is always listened to with interest. The budget for the coming year was put to delegates, and approved after discussion. In terms of the

new Bylaws of Region 8, a number of Vice-Chairs were elected (see "Election Results" on page 5). These Vice-Chairs have very specific responsibilities relating to the day-to-day running of the Region. They greatly ease the workload of the Director - thus allowing him to concentrate on his other duties to Region 8 and the IEEE. Maurice Papo's report as Outgoing Director (page 1) gives some idea of how busy the Director is.

The Region 8 Committee is indebted to the Cyprus Section for their hospitality, and the various arrangements made. In particular the Committee expresses its thanks and appreciation for the formal Gala Dinner to the Principal Sponsor, Raychem, as well as the Secondary Sponsors, Popular Bank, Keronia Ltd., and NEDECO Electronics Ltd. Their generosity added much to the enjoyment of Region 8's visit to Cyprus.

*Duncan Baker,  
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