

# IEEE

## Region 8 News

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Europe, Middle-east and Africa



Editor

Dr. G.H.Byford  
46 Crooksbury Road  
Runfold, Farnham, Surrey  
England GU10 1QB  
Tel: (+44) 1252 782625  
Fax: (+44) 1252 783020  
E-mail: g.byford@ieee.org

### From the Regional Director

Hallo, Hallo!

Every year, on April 30, some of our members will be removed from the database because their dues for 1996 have not been recorded in Piscataway. Especially in Region 8 the renewal documents seem to disappear or to be seriously delayed; it sometimes happens that the second and third warnings, which are sent by airmail from Piscataway, arrive before the renewal request. On behalf of the IEEE Operations Centre I apologize for the inconvenience this may cause.

On 1st April Region 8 had 27,165 active members of higher grade, and 6,768 students; the total of all active members was 34,553, a gain of nearly 10% for 1995. There were 5914 Affiliates (non members). A little later in the year we shall experience a serious drop due to members failing to pay their dues.

#### Students

Among the student members only 35% are retained after graduation. Every year Student Branch Counsellors encourage graduates to retain their membership; these efforts are supported by a Graduate Discount Program (GDP) which allows basic dues to be increased in annual steps over the four year period following graduation. The program is associated with a "First Professional Degree", which in Piscataway is interpreted as the B.Sc.. However, in many European countries, students graduate directly with an M.Sc. and consequently do not enjoy the financial benefits of a gradual increase in dues. The Admittance & Advancement Committee is now preparing the necessary changes in the IEEE Bylaws, so that all students completing a Recognised Educational Program will be able to take part in the GDP.

#### Member Services

With the Brussels satellite office now having direct access to the IEEE Information System in Piscataway, we expect that Member Services in Region 8 will be improved. The staff is now better prepared to enter mailing addresses into the system correctly, and to maintain the data base. The future role of the Brussels office will be discussed at the R8 Committee meeting in Helsinki on June 1.

#### TAB Colloquia

The Technical Activities Board has decided that the 1996 TAB Colloquium will be held in Southern Europe in October. The

organization of the visit is in the hands of Pete Morley, who was responsible for the TAB Colloquium tour in 1994. In the preliminary itinerary, the Sections and/or Chapters to be visited will be: Portugal, Spain, North Italy, Slovenia, Hungary and the Czech Republic; between October 13th and October 27th 1996.

The goals of the TAB Colloquia are:

1. to increase the awareness of IEEE Technical Activities
2. to provide members and interested parties with the opportunity to discuss matters directly with Technical Society representatives
3. to "energize" (or "re-energize") the visited Sections, Chapters, and Student Branches.
4. to identify and record information and to suggest action which might profitably be taken

The topics of the Technical Presentations will be chosen in accordance with the specific interests of the Sections and Chapters; the organisers will be in close co-operation with the Regional Director, who personally will ensure Region 8 participation in the tour. The speakers will be selected from among the 1996 Distinguished Lectures appointed by the Societies. The final program will be ready before the summer vacation and the period until October will be used effectively for advertising the events. Suggestions for speakers and topics are most welcome, through the Sections or directly to me.

#### Section Anniversaries

The Yugoslavia Section was established on June 21, 1971; the Croatia, Slovenia, and Yugoslavia Sections can therefore celebrate their 25th anniversary this year. According to Region 8 tradition the three Section Chairmen will be presented with a special IEEE Banner at the next Regional Committee meeting.

#### Electronic Communication

Electronic communication systems are becoming more and more a part of one's daily life. Almost all IEEE members associated with education and research have access to the Internet, and consequently can communicate directly with colleagues throughout the world; they can also download information about IEEE activities worldwide. Seen from the view point of the Sections and Chapters, the establishment of a Section Homepage is an important supplementary tool for

the distribution of information to members. However, seen from the IEEE point of view these Homepages must be regularly maintained; out of date information is much worse than no information at all. It is essential, that the logo of IEEE and the layout for the IEEE Homepages are standardized, and that the content is of high standard.

Direct mail to the members is essential in order to ensure that Regions, Sections and Chapters can maintain contact with the members; for members with access to E-mail it becomes easier to respond to the input and to influence Section and Chapter activities in the desired direction. Home pages on the Internet should not be a substitute for Direct-mail as a means of communication with members. The Region 8 Committee will consider a project regarding "Electronic Communication" at its next meeting, in Helsinki.

"The Institute" is available now on Internet; other publications will follow, but the corollary is that members will become dependent on powerful P.C. equipment and printing facilities.

### *Organisational improvement*

The "Implementation Committee for Structural Reorganisation" and its Evolution Task Force are preparing the first steps of the "Organisation Improvement". The IEEE Boards will, within a certain framework, become more independent of the Board of Directors; the necessary changes in the Bylaws are in preparation. Your Director is a member of the ISCR and he will strongly promote the importance of Regional support for Sections and Chapters. With regard to coordination of Chapter activities in the Region, most of the larger Societies have appointed Society Chapter Coordinators and Region 8 will associate the SCC's with the Regional Chapter Coordination Committee, as corresponding members. Through the Technical Activities Board, all Societies are encouraged to appoint SCC's for the relevant Region.

### *The Future of the IEEE*

The future of the Institute depends very much on the outcome of the "Organisational" Improvement. The Region 8 Committee needs funding in order to serve members directly. The regional assessment makes it possible twice a year to gather together the Section chairs, both for the exchange of experiences and for the training of new chairmen. Chapter activities are supported by the Sections and the Chapters, but the coordination of Regional workshops and conferences is in the hands of the Region and the Technical Societies involved.

During discussions of the Organisational Improvement some groups advocated the dissolution of the Regional Organisation within the IEEE. If that route were taken the IEEE would simply become a set of separate societies. Your Regional Director is prepared to support by all means, the ability of our multinational region to operate as an international organisation.

*Peer Martin Larsen*

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## *France*

*by Professor Edwige Pissaloux*

SIMC 9th Conference on Semiconducting and Insulating Materials, sponsored by the IEEE Electron Devices Society, will be held April 29 - May 3, 1996 in Toulouse, France. Inf. - Ms Josiane Sutra, CEMES/CNRS, 29 rue Jeanne Marris BP 4347, 31 055 Toulouse Cedex, France. Tel: + 33 62 25 78 00 ; Fax: + 33 62 25 79 99; or Conference Services Department at IEEE Service Centre; Tel: + 1 908 562 3878.

**1996 IEEE - SP International Symposium on Time - Frequency and Time Scale Analysis** sponsored by the Signal

Processing Society and Processing Society and CNRS (France), will be held on June 18 - 21 1996 in Paris. Inf.: M. Inbar Fijalkow, ETIS - ENSEA, 6 av. du Ponceau, 95 014 Cergy - Pontoise; Cedex; Tel: + 33 1 30 73 66 10. Fax: + 33 1 30 73 66 27, E-mail - tfts96@ensea.fr; or Conference Services Department at IEEE Service Centre; Tel: + 1 908 562 3878.

**OCEANS '96 MTS/IEEE, The Coastal Ocean**, will be held on 23- 26 September 1996 in Broward County Convention Center, Fort Lauderdale, Florida. This Confemce sponsors a Student Poster Programme/Competition. Deadline for abstracts submission - April 30, 1996. Inf. : Prof. René Garello, Télécom Bretagne, ITI, BP 832, 29 285 Brest Cedex, France; Tel: + 33 98 00 13 71 or + 33 98 00 10 - Fax: + 33 98 00 10 98 - E-mail: rene.garello@enst-bretagne.fr

### *News in French*

**Le Chapitre Computer** va attribuer, sous forme d'abonnements aux IEEE Transactions on Computer, des prix "Jeune Chercheur" lors de:

RENPAR'96 - Rencontres - Francophones du Parallélisme, qui se tiendront du 20 au 24 mai 1996 à Bordeaux; inf.: <http://www.labri.u-bordeaux.fr>

IEEE PDCS '96, la Conférence Internationale qui se tiendra en septembre 1996 à Bordeaux. inf. email: [pdc96@u-bourgogne.fr](mailto:pdc96@u-bourgogne.fr).

Pour plus d'informations sur les modalités d'attribution de prix, prière de contacter le Chairman de Computer Society France, Dr. Christophe Cerin, [cerin@u-picardie.fr](mailto:cerin@u-picardie.fr).

Par ailleurs, le Chapitre est heureux de vous annoncer la venue, dans le cadre du Distinguished Visitor Program, de M. le prof Ramesh AGRAWAL, Dept. of Aerospace Engineering, Wichita State University, USA, Plusieurs séminaires sont prévus pendant son séjour d'une semaine à partir du 23 mai 1996, Inf.: Dr. Christophe Cerin: [cerin@u-picardie.fr](mailto:cerin@u-picardie.fr), Vous trouverez le résumé du contenu des séminaires proposés par- prof. Agrawal sur le serveur Web de la Computer Society (<http://www.computer.org>).

Création du CHAPITRE français de la Power Electronics Society (PELS). M. le professeur Gérard-André CAPOLINO organise ce chapitre; les intéressés sont invités à le contacter à l'Université de Picardie, IUP, Département Génie Electrique & Informatique Industrielle, 33 rue Saint-Leu, 80039 Amiens Cedex; tel (16) 22 32 78 21; fax: (16) 22 82 78 22

LES ANCIENS DE LA RADIO ET DE L'ELECTRONIQUE vous invitent aux conférences suivantes: le 14 mai 1996 "La Radioastronomie" par Nguyen-Quang-RIEU, directeur de recherches à l'Observatoire de Paris.

le 11 juin 1996 "Les atomes froids - Applications aux horloges atomiques (..et à la navigation?) par Christophe SALOMON, directeur de recherche à l'Ecole Normale Supérieure de Paris

le 22 octobre 1996 "Le Project de Laser Mégajoules", par Michel ANDRE, Maître d'oeuvre Principal du Projet au CEA:

le 19 Novembre 1996, "Les Programmes Spatiaux Français et Européen" par Michel BIGNIER, ancien Directeur Général du C.N.E.S., et ancien Directeur de l'Agence Spatiale Européenne.

Les conférences ont lieu à 17 heures à la F.I.E.E., 17 rue Hamelin, 75 116 Paris, secrétariat: M.CRANTELLE; (noter le changement du secrétariat suit au décès de notre amie Madame BIRCKEL): elles sont suivies d'un pot amical.

*Chapter Chairman: Mr. Maurice Papo, 14 Blvd Prince de Galles, 06000 Nice, France. Tel: +33 93 81 41 12. Fax: +33 93 53 26 73. E-mail: [m.papo@ieee.org](mailto:m.papo@ieee.org)*

# The Haraden Pratt Award

to

## Professor Dr.-Ing. Walter E. Proebster

*Established in 1971 in honor of Haraden Pratt, who served as IEEE Director and Director Emeritus. He gave dedicated and distinguished service to the Institute. The purpose of the award is to recognise annually those individuals who have conferred outstanding service to the Institute. Nominees shall be Senior Members or Fellows of the IEEE. The award consists of a Bronze Medal, an Illuminated Certificate, \$1,000 and travel expenses for the recipient and companion to attend the award ceremony...*



**Walter E. Proebster** put his foot on the first rung of the ladder which was to lead to stardom, as Chairman of the Germany Section, a post which he held from 1979 to 1981. In 1981 he was elected Director of Region 8, in which capacity he served the Region for two years, a period which saw the formation of both the Portuguese and the Kenya Sections. In 1984 he was elected Secretary of the Institute, and in the same year was appointed a member of the IEEE

Award's Board. During his service on the Region 8 committee as Chairman of Membership Development, the Regional membership increased from 15,000 to more than 30,000; this very welcome growth was the result of a number of novel initiatives, culminating in the development of a new membership form more suited to the Regional culture than was its forerunner from the United States.

Always an enthusiastic supporter of Region 8 Conferences, he served as Chairman on a number of occasions, amongst which were:

- 1980 Eurocon '80 - Stuttgart, Germany
- 1980-90 - Eurocon Steering Committee
- 1983 Africon '83 - the first Africon conference
- 1984 Intermag '84 - Hamburg, Germany
- 1987 CompEuro '87 - Hamburg Germany
- 1989 CompEuro '89 - Hamburg Germany
- 1990 CompEuro '90 - Tel-Aviv - Programme co-chairman
- 1991 CompEuro '91 - Bologna, Italy - co-chairman

*Keep going Walter, the next 30,000 is already on its way*

## Letters to the Editor

Sir,

### Region 8 Volunteer Award

In my country we generally celebrate "nameday" rather than "birthday", as is the case in Western countries; this is the day on which we receive good wishes and gifts from friends. My nameday is the 9th December and last year I received a magnificent gift from the IEEE - the postman delivered Region 8 News, from which I learned that I had been awarded the Region 8 Volunteer Award. Very many thanks to all my IEEE friends, in particular to Professor E. Folke Bolinder, Mr. B. Osborne and Professor C. Turner for their efforts on my behalf.

I understand that the award is personal but it should really be for all of us who were on the Polish Section executive committee. To be a member of an international organisation such as the IEEE was for us, and still is, a source of great satisfaction; it has given us some real

advantages on account of our contacts with the world's literature and with distinguished people in the electrotechnological field. My memories of all the Region 8 meetings in 1983 to 1989 are extremely pleasant; everywhere I met only friendly people and everywhere I enjoyed an atmosphere of friendliness: which at that time was most important to us.

Next year will be our 25th anniversary - our silver wedding. During the past six years the Poland Section has grown considerably and has now reached a total of more than 350 members. This seems to have caused some trouble in the IEEE database since we have waited some years for full information about our membership - I have been the chairman of the Power Engineering and Industry Applications joint Chapter for three years but I still do not know how many members there are in my Chapter and who they are. Our history has taught us to be very patient and we know that after every night there is a day; we are sure that in the years following the installation of a larger computer in IEEE HQ we shall receive full information about our membership - then it will be easier for us to organise meetings in our Chapter.

Once again I thank everyone very much indeed for the Award and I wish all of you the very best of good fortune in the future.

Yours sincerely

*Wieslaw Seruga*

*An up-to-date membership list for the Poland Section joint Chapter: Power Engineering/Industry Applications, has been sent to Professor Seruga - Ed.*

## Your Scientific Paper or Be Kind to the Editor

(Region 8 News August 1995)

Dear Sir,

In general I agree with many of the arguments presented in the article. However, I feel that if all the suggestions were extensively followed, the paper would run into collisions with the length restrictions of most journals, because it would be blown up by a number of appendices.

Usually, scientific work appears in conference proceedings about 1-2 years earlier than in regular papers; thus if one's work is part of a current "hot" topic, references can only be to papers which have appeared in conference proceedings - nothing else yet exists. But if you summarise the key points of these conference papers in an appendix, your own paper would in many cases become too lengthy. For this reason I think it would be necessary to restrict the number of summaries to those most essential.

Further, you say that "Private Communication" references are unacceptable. However, in my opinion the references do not only serve the purpose of verification, but also have the function of giving credit to others who have contributed to the paper. If this contribution were in fact a private communication that has not been published, what can you do? You either reference it as a private contribution or you leave out the reference, and that would be unfair.

It would be interesting to hear the views of other editors and authors.

Yours sincerely

*Dr.-Ing. D. Schroeder*

Arbeitsbereich Technische Elektronik  
Technical University of Hamburg  
HAMBURG, Germany

**Articles for inclusion in the August issue of IEEE Region 8 News should reach the editor by July 1st.**

## Industry Application Society

Mr. Mark Harris (IAS Chapter Development)

The Industry Applications Society is concerned with the development and application of electrical systems to control the processes and equipment of industry and commerce. The Society promotes the design, manufacture, and management of safe, reliable, and economic installations; it encourages industry leadership in energy conservation and environmental, health and safety issues, and it supports the creation of voluntary engineering standards and recommended practices. Wherever there is an industrial electrical activity, the IAS has a department that provides support. The Industry Applications Society has over 12,000 members and some 80 Chapters worldwide: it offers the opportunity for interaction of like minded professionals, access to society resources such as distinguished and regional speaker programs, video libraries and funds for projects.

To provide better services to its membership the IAS Chapters department is making a concerted effort to encourage its membership to promote Chapter development worldwide. In Region 8 there are over 1,200 members but less than half a dozen Chapters; notwithstanding that in some Sections there are more than enough IAS members successfully to form a Chapter. The Chapters department is planning on contacting those Sections with large memberships in the hope that new Chapters can be formed.

UKRI	189	Turkey	64
Spain	150	C & S Italy	45
Germany	113	Sweden	36
France	82	Denmark	34
Greece	56	Austria	32
Saudi Arabia	73	Egypt	33
Switzerland	67	Norway	28
Benelux 64			

Nevertheless, Sections with small memberships are encouraged to form chapters, or sole chapters, or become part of a joint Chapter with related Societies such as Power Electronics, Power Engineering or Industry Electronics. The formation of a Chapter is a simple process: all it requires is twelve signatures from IAS members, the support of a Section and the approval of the IEEE. Much satisfaction can be gained by running a Chapter and organizing successful events: useful organizational skills are learned and practised.

The IAS sees Chapter development as a key factor in providing for its membership needs. However, the Society can do nothing without a core of volunteers. Would you like to form a chapter? Contact me - I can help. The IAS is very supportive of those wishing to form a Chapter but that cannot happen unless you make it so.

Mr. Mark Harris, IAS Chapters Development Committee,  
Sundstrand Aerospace, 4747 Harrison Avenue, MS 708-6  
Rockford, IL 61125-7002, USA. Tel: 001 815 226 6908. Fax: 001  
815 394 2497. E-mail m.harris@ieee.org

## AFRICON '96

By Professor René Speé

This conference is scheduled for September 24-27 in Stellenbosch, South Africa, hosted by the University of Stellenbosch. The conference is Cosponsored by IEEE Region 8, the IEEE South African Section, the Foundation for Research Development, and the South African Institute of Electrical Engineers and is held in cooperation with the IEEE Power Electronics Society.

The three major themes for AFRICON '96 concern those services that are essential for establishing an infrastructure in developing countries, with a view to improving the quality of life and generating prosperity for the African continent: 1) Electrical Energy Technology, 2) Telecommunications, and 3) Development of Human Resources.

Around these themes, over 300 proposals for papers and tutorials have been received and are being reviewed by an international committee chaired by Prof. Braham Ferreira of Rand Afrikaans University. The program committee will meet in late April to finalize the conference program and ensure that the technical quality maintains the high level of previous Africons. The conference program promises to be widely international, as papers were submitted from over 40 countries.

In addition to tutorials, paper and poster sessions, an exhibition is being organised in conjunction with AFRICON '96. This exhibition will give both African and international companies an opportunity to display the latest technology related to the conference topics.

Stellenbosch is very easy to reach; it is located only 40 km from Cape Town's International Airport. The organizing committee will staff a desk in the airport's arrival hall to welcome delegates and assist them with ground transport. Stellenbosch is South Africa's second oldest town and provides a beautiful setting for AFRICON '96; it is a small university town set among splendid Cape Dutch Architecture, wine farms and oak lined boulevards. The university conference facilities are adjacent to the downtown area and are only a short distance away from the hotels, guest houses and university residences which will provide accommodation. The town nestles at the foot of a mountain range and is only 20 km inland from the ocean, thus providing a wide range of pre-and-post conference activities for delegates and accompanying persons.

While the pre-registration deadline is not until July 15, it is recommended that you should initiate travel plans as soon as possible and so secure the most advantageous flight schedule and accommodation. The conference secretariat will assist participants with room reservations and interested persons can contact the secretariat at the numbers listed below.

Further information about Africon can be obtained from the Conference Chair, Prof. Johan H.R. Enslin, at Tel +27-21-8084455, Fax +27-21-808-3554, or e-mail [africon@firga.sun.ac.za](mailto:africon@firga.sun.ac.za). Details can also be found on the World Wide Web - at [http://www.sun.ac.za/local/academic/fak\\_ing/ee\\_ing/africon.html](http://www.sun.ac.za/local/academic/fak_ing/ee_ing/africon.html)

Conference Coordinator: Professor Baldomir Zajc

E-mail: [b.zajc@ieee.org](mailto:b.zajc@ieee.org)

## Turkey

By Professor Ayhan Altintas

The Section held its elections last December: the new Section Committee has members drawn from many parts of Turkey. We thank all those members who have taken part in the election. Especially, our thanks go to Proff. Bulent Orencik and Alinur Buyukaksoy who formed the election committee.

The Section committee has focussed mainly on Membership Development, and on Chapter and Student Branch activities. For this purpose, we used the National Signal Processing and Applications Conference in Kemer, where we maintained a membership development desk for the recruitment of new members. Also, with the support of Region 8 SAC Chairman Prof. Levent Onural, we have had a Student Branch Chairman workshop in Kemer. In the near future, we will have a similar workshop for the Chapter Chairs.

The Power Engineering Society Chapter was selected as the 1995 "most-active-Chapter" in the Turkey Section. We are thankful to Prof. Yukseler, the Chair of PES Chapter, for his great efforts to ensure the success of this Chapter.

Three members of the Turkey Section were among the recipients of the Tubitak Young Scientist awards for 1995. They are Prof. Levant Onural and Prof. Cevdet Aykanat of Bilkent University, and Prof Yusuf Leblebici of Istanbul Technical University

In the near future, we shall be sending out to our members the first issue of our Newsletter. I wish all of you a successful 1996.

Chapter Chairman: Prof. Ayhan Altintas, Bilkent University,  
Dept of Electrical Eng., Bilkent 06533 Ankara Turkey.  
Fax: +90 312 266 4126. E-mail: [a.altintas@ieee.org](mailto:a.altintas@ieee.org)

## Students at Barcelona

By Ignas Mena (Barcelona Student Branch Chairman)

The Barcelona IEEE Student Branch is a student association based at the Polytechnic University of Catalonia. Its members are students of telecommunications, electronics and computing. Our main purpose is to organize technical and cultural activities such as lectures, courses and technical visits. However, one of our most important tasks is the publication of "Buran", a scientific and technical magazine written mainly by students, PhDs and teachers from our university. It is published twice a year at the moment and, although it is published mainly in Barcelona, we are working closely with the Madrid and Valencia Student Branches.

### *Living in the Present, Making a Future*

For the past two years our members have been very interested in visiting Telecom companies, an activity enables us to gain some idea of our future work as engineers. We started with organisations on the outskirts of Barcelona: Hewlett Packard, Collserola Telecom Tower, Microelectronics National Centre, Telefonica's Satellite Control Centre, among many others.

Last February we organized a trip to Madrid to visit several important Spanish technical industries and R&D laboratories. The list included: Grupo Indra, Casa Direccion de Proyectos y Sistemas, Casa Division Espacio, Centro De Control Hispasat, Telefonica I+D, Telefonica Central de Gestion de Red.

### *Acknowledgements*

Thanks to this trip, a group of forty students had the opportunity to see real projects in which we might take part at some time in the near future. Our visits did something beyond university learning; the first step towards introducing practicality into theoretical courses; but this would not be possible without help and we should like to express our warmest acknowledgement of that help to the IEEE Spanish Section, Region 8, the Polytechnic University of Catalonia and the Madrid and Valencia IEEE Student Branches for their support in the organisation of this activity.

### *Robot Contest*

The Barcelona Student Branch has an AESS chapter, which focuses on Astronomy and Robotics. Last April we organized the "Robotics month", which included a Sumo combat between robots developed by students, the surface-cleaners contest, and several lectures about different aspects of Robotics.

We should like to encourage students from all over Europe to take part in the contest which will take place next year, in order to give the contest an international flavour - an amusing and easy way of learning programming, mechanics and electronics.

More information about our activities can be found on the following webs:

<http://citel.upc.es/users/ieee>    <http://citel.upc.es/~aess>  
<http://citel.upc.es/users/buran>

Your participation is essential if we are to have a better linked Students' IEEE

Rome, Italy

11-12 June 1996

### RADME '96 Third Italian Symposium on

## Meteorological Radar

Contact: Prof. Gaspare GALATI, DISP, Tor Vergata University  
Via della Ricerca Scientifica, 0133 Roma, Italy  
E-mail: [g.galati@ieee.org](mailto:g.galati@ieee.org)  
Fax: +39 6 2026266

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## Bulgaria

By Professor Jordan N. Kolev

The MTT/ED/AP Joint Chapter is quite new; it was established in June, 1995. Interim Chairs have been appointed by the IEEE EC. The Section bylaws have been approved and an election for both the Section and the Chapter was held. The newly elected officers are:

### *The Section*

Chair - Jordan N. Kolev, [ieee@tu-vama.bg](mailto:ieee@tu-vama.bg)

Vice Chair - Vasil S. Sgurev

Secretary - Stefan A. Ivanov, [sai@phys.uni-sofia.bg](mailto:sai@phys.uni-sofia.bg)

Treasurer - Nikolaj R. Nikolov, [ieee@tu-varna.bg](mailto:ieee@tu-varna.bg)

### *MTT/ED/AP Joint Chapter*

Chair: Hristo.D.Hristov, e-mail: [ieeechpl@radio.tu-varna.bg](mailto:ieeechpl@radio.tu-varna.bg)

Vice Chair - Philipp Philippov, [fif@bgtus4.vmei.acad.bg](mailto:fif@bgtus4.vmei.acad.bg)

The Section's most important task in the immediate future is to develop membership; in particular to increase the number of student members and establish student branches in the technical universities. We intend to organise new Chapters in collaboration with our national technical and scientific Societies

*Section Chairman: Prof. Jordan N. Kolev, Head of the Dept. of Electronics e Technical University of Varna, Bulgaria. 889038. Tel: +359 52 889038. Fax: +359 52 871910. E-mail: [ieee@tu-varna.bg](mailto:ieee@tu-varna.bg)*

## Italy

By Dr. Alessandro Gandelli

At the recent Section Executive meeting, the calendar of conferences and meetings for the first and second semester of 1996 was discussed; procedures related to the forthcoming Section elections were planned and approved. The term of the current Section Executive committee will end on May 16th; the new Committee take up its duties on that date. At the same meeting the Section approved the elections for: Instrumentation and Measurement, the joint Power Electronics/Industry Application/Industrial Electronics and Computer Society Chapters. In conjunction with the Section election information, ballot papers will be sent to all members.

The next Conferences & Workshops Cosponsored by the Section will be held in:

- **Como (ETIM '96)** - "International Workshop on Emergent Technologies for Instrumentation and Measurements" June 10-11th 1996
- **Baveno (PESC '96)** - June 23rd-27th. See information on the WWW. <http://www.mi.infn.it/INFN-DIP/PESC96.HTML>
- **Venice: NICROSP '96.** "International Workshop on Neural Networks for Identification, Control, Robotics and Signal/Image Processing". Venice, 21st-23rd August 1996. The meeting is sponsored by the Computer Society, IEEE Technical committee on Pattern Analysis and Machine Intelligence, ACM SIGART, IEEE CAS, CS, IM, NNC, RA, SP and IMACS. Also: INNS, ISCA, AEI, AICA, ANNIPLA and FAST. The North-Italy Section and Region 8.

The aim of this workshop is to encourage a unique synergetic discussion forum and to establish a strong link between theoretical researchers and practitioners in the application of identification, control robotics, and signal/image processing by using neural techniques. Invited talks in each area will provide a starting point for both theoretical and practical discussion.

The General Chair is Prof Edgar Sanchez-Sinencio, Texas A&M University. The Programme Chair is Prof. Vincenzo Piuri, Department of Electronics and Information, Politecnico di Milano, Piazza L. da Vinci 32, I-20133 Milano, Italy. Tel: +39 2 2399 3606. Fax: +39 2 2399 3411. E-mail: [piuri@elet.polimi.it](mailto:piuri@elet.polimi.it)

*Professor Alessandro Gandelli, Dipartimento di Elettrotecnica, Politecnico di Milano, Piazza Leonardo da Vinci 32, 20133 Milano, Italy. Tel: 39 2 23993724. Fax: 39 22363561. E-mail: [gandelli@bottani.etc.polimi.it](mailto:gandelli@bottani.etc.polimi.it).*

Amman, Jordan 3-6 June 1996

### **First International Symposium on Electricity Distribution in the Arab Countries**

A Joint Organisation of AUPTDE and CIRED

Contact: AUPTDE Secretariat c/o Jordan Electricity Authority,  
PO Box 2310 Amman, Jordan. Tel: 962 6 818336. Fax: 962-6-818336

Amsterdam, the Netherlands 17-19 October 1996

### **4th Symposium on Digital Imaging in Dental Radiology**

Contact: Mrs. Yvonne Emmer, Department of Oral Radiology  
Academic Centre for Dentistry Amsterdam, Louwesweg 1,  
1066 EA Amsterdam, the Netherlands. Tel: +31 20 5188261.  
Fax: +31 20 5188480. E-mail: [y.emmer@acta.nl](mailto:y.emmer@acta.nl)

## Section Libraries.

### Donation of IEEE Publications.

The scheme introduced two years ago, whereby members can donate surplus IEEE publications to Eastern European libraries is being extended to cover the whole of Region 8. We also plan to include Student Branches and Sections if they wish to receive publications for their own libraries. Anyone interested in donating publications they no longer require should contact:

**Prof. C.W. Turner, King's College London, Strand, London  
WC2R 2LS England. Fax: +44 171 836 4781. E-mail:  
[c.turner@ieee.org](mailto:c.turner@ieee.org)**

## Hungary

By Professor P. Arato

The Budapest Office of the Hungary Section

We take pleasure in announcing that the IEEE - TEE Budapest Office has started operating and has been open to members from 11th May 1995. At the opening ceremony Dr. Charles Turner represented the IEEE and Dr. Charles Sraubank represented the IBE.

Electrical and Electronic Engineering and Information Technology have a long and prestigious history in Hungary; they have too strong industrial background from the beginning of the century, with many worldwide 'firsts' in communications and power engineering.

The Hungary Section is vitally interested in establishing an agreement between IEEE and our National Societies, an agreement that would allow the National Society members to qualify for more affordable memberships in IEEE. We are glad that IEEE signed an agreement with four societies of MTESZ (Federal Chamber of Technical and Scientific Societies) in 1994. The MTESZ was established in 1948, its aim being to coordinate the work of our four professional societies:

HTE Scientific Society of Telecommunication  
MATE Scientific Society of Measurement and Automation  
MEE Hungarian Electrotechnical Association  
NJSZT John von Neumann Computer Society

From January 31st 1996 the Budapest Office has been working according to its established rules.

The Hungary Section now has 216 members, two joint chapters (MTT-COM-ED and CAS-C) and two student branches with 59 members at the Technical University of Budapest and the University of Veszprem. Hungarian members have joined 35 IEEE societies.

The Budapest Office is located in the House of Technology at MTESZ, H-1024 Budapest Fő u. 68. Tel/Fax: +36 1 213 1960 provides an Internet connection - E-mail: [IEEE@mtesz.hu](mailto:IEEE@mtesz.hu).

We hope that the work of the Budapest Office will be as effective and useful in the future as it seems to be now.

*Professor P. Arato*

*Chairman of IEEE Hungary Section*

*Professoir- T, Roska*

*Past Chairman of IEEE Hungary Section*

# Electronic Communication and Student Branches

by Professor Levent Onural

Since access to Internet is common in universities, students are well aware of what it is and how to use it. The "Web" (World Wide Web) consists of interlinked sources of information which are distributed over the Internet. The type of information is limited only by your imagination: text, graphics, pictures, movies and sound can all be accessed interactively. Most of the information is free to anyone.

Your Computer must be capable of establishing a connection to an Internet node, of which there are many throughout the world. These nodes give Internet service to their users via direct terminal connections through LAN's or via telephone modems. If you are on a campus with a LAN, this is the usual case, then connecting your computer to the LAN is sufficient to make the connection to the node, which is usually a large machine in the university computing centre; this service is normally free to university members. If you are at home you can access the node by modem through your telephone. There are also commercial companies that provide nodes to the community; they make a charge to their subscribers.

Once the physical link is established, an access to Internet is provided: software browsing tools are necessary to use the information properly - Netscape, Lynx, Mosaic, WinCim and others.

The IEEE is well represented on the Web. The IEEE "Home Page" address is <http://www.ieee.org>; here you will find plenty of information: member services, ordering IEEE books and other material, technical Societies, student activities, IEEE local information, publications and more. There is a Student Activities Committee server accessible from the main page; it improves communications between IEEE headquarters, student branches and members - check the site <http://fiddle.ee.vt.edu/ieee/home.html> for more information. You can also find information on how to add your branch to this page.

Another Web site which can be accessed from the main web is the IEEE Region 8 home page - <http://www.ee.bilkent.edu.tr:8080/> - here you will find student branch related links. You can get your branch linked to the system by sending an E-mail to: [ieeesb@ee.bilkent.edu.tr](mailto:ieeesb@ee.bilkent.edu.tr).

Information must be kept up-to-date and the maintenance of home pages is an important task. Information about the benefits of having a web page and how to create one is on the ftp site: <ftp.doc.carleton.ca/pub/ieee/www>.

Make sure you send your branch E-mail address to the IEEE - [student.services@ieee.org](mailto:student.services@ieee.org). Branch officers come and go but the branches stay for ever: a stable E-mail address is essential.

## Here is a list of Useful E-mail addresses

[directory.vols@ieee.org](mailto:directory.vols@ieee.org) : Volunteer E-mail aliases  
[directory.staff@ieee.org](mailto:directory.staff@ieee.org) : Staff E-mail aliases  
[directory.sec@ieee.org](mailto:directory.sec@ieee.org) : Section E-mail aliases  
[directory.sb@ieee.org](mailto:directory.sb@ieee.org) : Student Branch. E-mail aliases  
[e.mail.guide@ieee.org](mailto:e.mail.guide@ieee.org) : Current version of E-mail guide  
[info.directory@ieee.org](mailto:info.directory@ieee.org) : how to obtain copies of or become listed in the IEEE e-mail directory  
[info.fc.staff@ieee.org](mailto:info.fc.staff@ieee.org) : your contact at Regional Activities  
[info.ieeeusa@ieee.org](mailto:info.ieeeusa@ieee.org) : Contact list for IEEE USA Office

[info.info@ieee.org](mailto:info.info@ieee.org) : List of Information Aliases  
[info.rab.roster@ieee.org](mailto:info.rab.roster@ieee.org) : Roster of Regional Activities Board  
[info.societies@ieee.org](mailto:info.societies@ieee.org) : How to contact Societies via E-mail  
[info.startup@ieee.org](mailto:info.startup@ieee.org) : How to register a Section, Society or Student Branch E-mail address and obtain an IEEE E-mail alias for your Section, Society or Branch.  
[info.spave@ieee.org](mailto:info.spave@ieee.org) : Information on S-PAVES  
[info.spac@ieee.org](mailto:info.spac@ieee.org) : Information on S-PAC's  
[info.stu.services@ieee.org](mailto:info.stu.services@ieee.org) : about Student Branch and Branch Chapter support services  
[sac.all@ieee.org](mailto:sac.all@ieee.org) : forward to all members of RAB/SAC  
[sac.chair@ieee.org](mailto:sac.chair@ieee.org) : Forward to RAB/SAC Chair  
[student.services@ieee.org](mailto:student.services@ieee.org) : Forward to IEEE Student Services Coordinator  
[spac.support@ieee.org](mailto:spac.support@ieee.org) : Forward to help on S-PAC's  
[spave.support@ieee.org](mailto:spave.support@ieee.org) : Forward to help on S-PAVES

## References:

- 1) *WorldWide Web and E-Mail - August 1995 issue of IEEE Branch News.*
- 2) *Gerald Karam - An introduction to the organisation of the IEEE (With emphasis on Student activities)*

*Student Activities Chairman: Dr. Levent Onural, Electrical Eng Dept., Bilkent University, TR-06533, Ankara Turkey. Tel: +90 312 266 4000 (1263). Fax: +90 312 266 4126. E-mail: [l.onural@ieee.org](mailto:l.onural@ieee.org) WWW = <http://www/ee/bilkent.edu.tr/~onural/sac.html>*

## United Kingdom & Republic of Ireland.

MTT/ED/AP/L&O Joint Chapter

By Dr. Neil Williams

The Chapter has around 20 events planned for 1996; in the first three months of the year there were four evening presentations at various centres in the UK, including a "Distinguished Lecture" on "Blue-Green Quantum Well Lasers" by Peter Zory from the University of Florida and a stimulating talk by Professor Peter Hall from the University of Birmingham on "Quasi-Optical Active Antennas".

### Activities arranged for the second half of the year .

A EUREL International Conference: co-sponsored by the Chapter, on the "Detection of Abandoned Land Mines" will be held at the Edinburgh International Conference Centre on the 7-9th October.

The Chapter will have a stand at the "Microwaves and RF '96" Conference and Exhibition at the Wembley Conference Centre on the 8-10th October. Come and meet members of the committee and put forward your ideas for next year's programme!

Before and after this event, evening lectures will be presented by P.H. Levy on "The Synthesis of General Filters for Modern Communication Systems" at ERA Technology, Leatherhead, on Monday 7th October and at the University of Leeds on Monday 14th October.

**If you are in the UK during 25th-29th November here are three key events for your diary:**

i) The fourth IEEE International Workshop on High Performance devices for microwave and optoelectric applications (EDMO '96), at the University of Leeds on 25-26th November. ii) A tutorial on MMICS, cosponsored by the Chapter, will be held at the IEE Savoy Place on 27th November. iii) A workshop on "Microwave and Millimetre Wave Communications", cosponsored by the Chapter, at the IEE on 28th November. For information on any of these events please contact Dr. Neil Williams, ERA Technology Ltd., Cleeve Road, Leatherhead, Surrey, KT22X 7SA, UK. Tel: +44 1372 36 7061. Fax: +44 1372 367099. E-mail: [neil.williams@era.co.uk](mailto:neil.williams@era.co.uk).

The members of the committee wish to thank their outgoing chairman, Terry Oxley, for all his hard work over the past four years. During his term of office the Chapter has grown from strength to strength; his will be a hard act to follow.

*Chapter Chairman: Dr. Neil Williams, E.R.A. Technology, Cleeve Road, Leatherhead, Surrey KT22 7SA, UK. Tel: +44 1372 367061. Fax: 1372 367099 E-Mail: [neil.williams@era.co.uk](mailto:neil.williams@era.co.uk)*

# Region 8 News Mailing Services

## Separate Inserts

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40g	250	350	550	700	900	1800
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#### Mailing Zone C (The remainder of the Region)

Detailed costs for these and other mailing services may be obtained from the Editor, IEEE Region 8 News, 46 Crooksbury Road, Farnham, Surrey, GU10 1QB England.

Tel: +44 1252 2625 Fax: +44 1252 783020.

E-mail: g.byford@ieeee.org

Inserts to: Mr. M. Stoneman, Region 8 News, Alpha Mail Ltd., 14 Victoria Way, Burgess Hill, RH15 9NF England.

Packages to be marked: "Educational Material - No Commercial value".

Deadlines: 25th of the month preceding publication.

Publication: February - May - August - November

## Printed Advertisements in the Editorial Pages

All advertisements in Region 8 News are in colour; either "spot" colour or "full" colour. Spot colour is used for the heading to this announcement; full colour is as you would see it in a colour photograph. For spot colour you need only mark your "copy" where colour is required. For full colour you will need colour separation films; you may provide your own or our printers will make them for you - at cost.

Full Page 18.5x26.4 cm £1,400

Half Page 18.5x13.2 cm £750

Quarter Page 9.25x13.2 cm £350

**Deadlines: 10th of month preceding publication.**

Publication: February - May - August - November

Copy may be submitted by: E-mail: g.byford@ieeee.org -

Diskette: DOS ASCII or other standard format -

Fax: +44 1252 783020 - Typewriter - (Please no handwriting).

The Editor, Region 8 News, 46 Crooksbury Road, Farnham, Surrey, GU10 1QB England. Tel: +44 1252 782625

## Conference Record

Rome, Italy

11-12 June 1996

RADME '96 Third Italian Symposium on

### Meteorological Radar

Contact: Prof. Gaspare GALATI, DISP, Tor Vergata University

Via della Ricerca Scientifica, 0133 Roma, Italy

E-mail: g.galati@ieeee.org

Fax: +39 6 2026266

The least expensive way of bringing your conference to the attention of more than 35,000 members of the IEEE

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## Printing

This service is particularly attractive for the production of loose inserts to be mailed with Region 8 News or by Direct Mailing; transport and customs clearance delays are avoided and the question of import duties does not arise.

Copy can be submitted as "camera ready", in colour or black and white; as colour separation films; or as photographs and half tone prints. There is no charge for layout, but for the more sophisticated processes there may be an additional cost.

A small number of copies cost more per sheet than large numbers. Printing produces a higher quality than photocopying; however, the later is available using the Kodak Ecktaprint process. Here is a guide to prices for a single A4 sheet printed on one side in one colour, on 80gsm white bond paper; delivery to the Region 8 News mailers and V.A.T. are included.

2,000	4,000	6,000	8,000	10,000	16,000	20,000
£95	£155	£209	£260	£312	£456	£552

Folding, multipage collating, stitching and ring binding are also available

## Direct Mailing

Direct Mailing allows you to distribute your publicity at times other than the publication dates of Region 8 News. Inserts are put into white envelopes and mailed in accordance with your choice of geographical location and the technical interests of the recipients: there are some 36 countries and 36 technical interest groups; any combination of both is available. Lists for both groups are available from the editor.

This ability to select your intended audience precisely can result in substantial cost reductions in comparison with inserts in Region 8 News. As an example: 10,000 30g inserts in R8 News costs £700; if your conference would be of interest only to members in the "Information Theory" field then the numbers would be reduced to 1,100 and the cost to £500; a further reduction would be obtained if the geographical selection were limited to Switzerland, Austria and Germany; the cost would then be £250. Under different circumstances it might be financially advantageous to use the R8 News insert system.

### Region 8 News Mailing & Publicity Services

Detailed quotations, lists of geographical selections and members' special interests are available from:

Dr. G..H..Byford, 46 Crooksbury Road, Runfold, Farnham Surrey, GU10 1QB, England. E-Mail: g.byford@ieeee.org.

Fax: +44 1252 783020. Tel: +44 1252 782625

**The IEEE database**, on which R8 News relies for its selective mailing services, is a list of over 35,000 IEEE members, from students to the senior staff of multinational companies. It is revised monthly