

# IEEE Region 8 News

No 95 - August 1991

Europe, Middle East and Africa



Editor

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## Director's Report

### Board of Directors Meetings

Unfortunately, because of the Gulf War I was unable to attend this or the associated meetings in New York City. As far as our Region is concerned it was of major interest that the Transnational Committee, chaired by Hugh Rudnick - Chile (of Region 9) established a Task Force for Region 8 which should act as a model for all the non-US Regions. The Task Force will provide information about international cooperation with national associations of electrical engineers and their associated disciplines. The members appointed to this Force are all from the Region 8 Committee, except the ex-officio members such as the President and Chairman of the Transnational Committee. The Region 8 Conference Co-ordinator was appointed Task Force Chairman.

At the San Francisco BoD meeting it was decided to increase the annual fee by \$10 in order to obtain a balanced budget and at the same time guarantee adequate services to the members. I am aware that this may be a problem for many members in our Region, and I recommend those with a low income (annual income less than 100 x annual membership fee) to apply for a fee reduction of 50%. IEEE Sections in countries with non-convertible currencies are referred to the programme which was approved by the Region 8 Committee in April this year; it provides for the conversion of membership fees paid in local non-convertible currencies. Applications must be made by Section Chairmen, to the Chairman of the Forward Planning Committee, Mr. R.C. Winton, 224 Creighton Avenue, East Finchley, London England, N2 9BD. The Transnational Committee discussed inter-continental and inter-regional conferences; the feasibility and the financial aspects of these suggestions will be investigated thoroughly.

### IEEE/EUREL - Joint Committee Meeting

After more than a year of preparations this meeting took place in London last December. (EUREL) is a Committee representing almost all the local Electrical Engineering Societies in Europe; the atmosphere was extremely friendly. One of the major results was that EUROCON 1992 will be co-sponsored by EUREL according to the EUREL guide-lines, i.e. without financial involvement. It was agreed to intensify the exchange of information and contacts between IEEE and EUREL concerning technical meetings and other matters of interest. Unfortunately, communication difficulties made it necessary to postpone a meeting originally scheduled for September; it is hoped that this meeting will be held at some future date.

### South Africa Section - February 1991

In company with the Region 8 Conference Co-ordinator, Jacob Baal-Schem, I visited the South Africa Section, investigating possibilities for an AFRICON '92 Conference in Southern Africa (members will find a leaflet announcing AFRICON '92 in this issue of Region 8 News) We had an important meeting with the President and Vice-presidents of the South African IEE (SAIEE), where we were able to clarify many misunderstandings and open questions about the aims of the IEEE in Region 8. It once more became clear that it is difficult to convince members of national societies, that the Institute is an international organisation of electrical engineers, and not a US society trying to spread out into various countries in order to gain an increased influence over national activities. I was impressed by the excellent work done by the IEEE Section officers in South Africa.

### Central & South Italy Section - March 1991

I met officers from the Section in Rome and presented the blue banner to the Section Chairman Mario Lucertini - this was the occasion of the 25th anniversary of the Section. During our meeting many interesting ideas were raised: a workshop on the history

of electrical engineering in Region 8, organising Regional and International video-conferences, encouraging the PACE Continuing Education programme, and several others. It was a most encouraging meeting.

### Region 8 Committee Meeting.

In April the Poland Section acted as host to the Regional Committee; the National Electrical Engineering Society of Poland played an active part. IEEE president Eric Sumner was a welcome guest, as was Hugh Rutnik the Transnational Committee Chairman, Mel Olken IEEE Field Services Staff Director, and of course Barbara Ettinger the Transnational Office Manager. All Regional Committee members took part in the discussions, in a most friendly and cooperative atmosphere; one important subject discussed was a support programme for countries with non-convertible currencies - more of this in a later issue of R 8 News. The next meeting of the Region 8 Committee will take place in Santa Margherita Ligure in September 1991.

### TAB Colloquium '91

Because of the Gulf War the Technical Activities Board's Colloquium planned to take place in the Region during 1991 was postponed to 1992. The Regional Committee expressed a strong recommendation to TAB that the plenary meeting of the Colloquium should be held in conjunction with EUROCON '92 in Zurich.

### Region 8 Office (Brussels Office)

In the next issue of Region 8 News, advice will be given about the services which this office will provide for members. The eventual aim is not to have a Computer Society or Regional/Technical Activity Board office in Brussels, but an IEEE Office serving all members within the Region.

**Region 8 Director:**  
**Professor Dr. Kurt Richter**  
**IGTE Techn. Universitaet Graz,**  
**Kopernikusgasse 24, A8010 Graz,**  
**Austria**



## For Students

By: *Gozde Bozdagi*

### *Student Representative*

After a long and tiring semester, I think we all deserve a nice holiday. May be most of you will be approaching the end of your holidays by the time you receive this issue, I hope you had a good holiday and that you are now full of energy for a new year and new activities.

This year the spring term was again very active. In April the Regional Meeting was held in Warsaw. The Section Chairmen and the committee members had a chance to discuss the problems of the Region there. With regard to the students, the following points were mentioned during the meeting. First, all Section Chairmen will try to promote the student activities among their Sections (I hope they can do this). Second, a database including the list of all the IEEE publications will be formed. And finally, people from the IEEE Headquarters will try to do something on student insurance and on publishing the best papers in the student paper contests.

The second important event of the spring semester was the student paper contest which was held during Melecon in Ljubljana, Yugoslavia. Seven students

from five countries participated in the contest. These students were chosen from among 17 students beforehand on the basis of the content and preparation of their papers. The contest was held in 23rd May. The students had a chance to make oral presentations and answer questions. I must confess that all of them did their job excellently, but at last three of them were chosen as the best. Mr. Dejan Kirjan from Yugoslavia, Miss Andreja Umek from



*Winners of the Student Paper Contest*

Yugoslavia and Mr. Juhana Jaatinen from Finland were first second and third prize winners respectively. Congratulations to them. I think being one of the prize winners of a Student Paper Contest is a very important achievement in a student's life, especially at the beginning of his/her career.

Most of the branches have also completed their elections by now. Welcome to the new board members. and Some activity news from branches: Students from Eindhoven, the Netherlands, organised a study tour including various

European countries. They had also a chance to attend Melecon. Students from Bilkent University, Turkey organised a national conference (BILKON'91) in July where a student paper contest was also held. Students from Warsaw organised a conference (KIF-Konferenz der Informatik Fachschaften) in May which was originally for German speaking students. Also they are trying to establish a computer student branch chapter.

Once more I want to mention that the database that the students from Switzerland are trying to establish about student exchange programmes and summer jobs, has still no information. This database will be helpful to all of us. So, why don't you spend a few hours to collect some information for this activity. You can send the information you have to Thomas Reidel from Switzerland; his address is: Institut für Automatik, ETH-Zentrum, Room ETL, K13, Ch8092 Zurich, Switzerland. E-mail: [ieeesjxs@nimbus.ethz.ch](mailto:ieeesjxs@nimbus.ethz.ch)

The final point I wish to make is that I would appreciate it very much if you would write to me about your expectations from IEEE, the points you do not know about the IEEE, the problems and activities of your branch and so on.

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*Göde Bozdagi, Region 8 Student Representative, Dept of Electrical Engineering Bilkent University, 06533 Ankara, Turkey. E-mail: [bozdagi@trbi](mailto:bozdagi@trbi)*

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## MELECON '91 and Beyond - By Professor Andrei P. Silard

I took part in MELECON '91 in a triple capacity: as an invited speaker, chairman of a conference section and member of the jury for the Student Paper Contest. This enabled me to perceive more deeply some of the features and the significance of this Conference. First, the broad scope of MELECON '91, which provided an opportunity for practically any specialist working in various Electrical Engineering fields to submit a paper. Secondly, the strong participation from the host country (Yugoslavia) and from non-Mediterranean countries (ranging from Romania to Finland and from Austria to England). And last but not least; the marvellous organisation at a superb conference centre, thanks to two years of hard work on the part of Prof. Baldomir Zajc, the authorities of Ljubljana and the Region. All this created an appropriate climate for projections of

future collaboration and scientific events, MELECON '93 included.

As a veteran "coach" of many Romanian Electrical Engineering students, who have won national prizes during the past fifteen years, I considered the student paper contest in Ljubljana as one of the main events of MELECON '91. The presence of all seven finalists and most of the students who submitted papers, the smooth and professional running of the contest, and the warmth of the awards ceremony were due primarily to the dedication and skills of Dick Poortvliet, Chairman of SAC. As a result of witnessing the real meaning for each student to be "there" and the bonds of brotherhood established between the winners and losers, a conviction grew and spread concerning the necessity to endow most conferences in the Region with a student paper contest - launching pads for every

young aspirant to scientific fame. Such a move would also give an additional *raison d'être* for student branches; the Region, as rightly pointed out by the Director, should do more to secure scientific recognition for students taking part in their Conference Contests.

Due to internal tensions in the host country, many participants, and some invited speakers, cancelled their attendance at the last moment. It remains a matter of regret that several outstanding specialists were absent at a time when their presence was most needed. The MELECON originator, Dr. Baal-Schem, whose country will act as host to the next MELECON, might bear these facts in mind when selecting his invited speakers.

*Section Chairman: Professor Andrei P. Sillard, Aleea Alexandru 19, Bucharest, 71273 Romania. Tel: 400 331184 (H)*





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# Region 8 Conference Record

<p>Monteray, CA, USA 17-19 Mar 92</p> <p><b>.REVIEW OF PROGRESS IN APPLIED COMPUTATIONAL ELECTROMAGNETICS</b></p> <p>Dr. P. Foster, Microwave and Antenna Systems, 16 Peachfield Road, Malvern, WR14 4AP, UK. Tel: +44 684 574057. Fax: +44 684 573509</p>	<p>Florence, Italy 26-27 Sept. 91</p> <p><b>PDWS '91: EUROPEAN INSTITUTE OF TECHNOLOGY</b></p> <p>Piazza Pitti 15, I-50125 Firenze, Italy. Tel: +39 55 214226 Fax: +39 55 218908</p>	<p>Stockholm, Sweden 13-16 Apr. 92</p> <p><b>INTERMAG '93</b></p> <p>Courtney Ass. Inc. 655 15th St., N.W. Suite 300, Washington D.C. 20005, USA</p>
<p>London, England 11-12 Nov. 92</p> <p><b>Two-day Course: Personal &amp; Mobile Radio Communication Systems</b></p> <p>Continuing Education Unit, King's College London, 552 King's Road, London SW10 0UA. Tel: 071 352 1408</p>	<p>Athens, Greece 30 Aug.-01 Sept. 93</p> <p><b>ATHENS POWER TECH NTUA-IEEE/PES</b></p> <p>Prof. B.C.Papadias, Nat. Tech. University, E.E.Dept, 42 Patission St. 10682 Athens, Greece</p>	<p>Ezulwini Valley, Swaziland 22-24 Sept. 92</p> <p><b>AFRICON '92</b></p> <p>AFRICON '92 Secretariat, FRD, PO Box 2600, Pretoria 0001, South Africa. Tel: +27 12 841 2422. Fax: +27 12 841 3791</p>
<p>Birmingham, England 24-26 Sept 91</p> <p><b>Electronics Design Show and International Electronics Design Conference</b></p> <p>MGB Exhibitions, Marlowe House, 109 Station Road, Sidcup, HK DA15 7ET. Tel: 081 302 7205. Telex: 918389</p>	<p>Madrid, Spain 29 Jun - 03 July 92</p> <p><b>PESC - Power Electronics Specialists' Conference</b></p> <p>Prof. Fernando Aldana, Univ. Politecnica de Madrid, Afd. Ramiro de Maeztu, 28040 Madrid, Spain. Tel: 34 1 5343709 Fax: 34-1-5352756</p>	<p>Florence, Italy 26-27 Sept 91</p> <p><b>PARALLEL AND DISTRIBUTED WORKSTATION SYSTEMS</b></p> <p>Maria L. Maggiulli European Institute of Technology, PDWS '91, Piazza Pitti 15, I-50125 Firenze, Italy Tel: 39 55 214226. Fax: 39 55 218908</p>

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## Region 8 Conference Record A Box Costs £25 Sterling

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## France

By: Dr. Frédérique Vallée - Secretary

**CONFERENCES.** In association with other Societies, the France Section is participating in the following conferences:

First HOOD Conference (Nantes, Sept. 25-26 1991) Hood - Hierarchical Object Oriented Design - the method selected by the European Space Agency. Sept. 25 Tutorial and Case study - M. Heitz & M. Lai; Sept. 26 Paper presentations (Inf. M. Habrias, LIANA-IUT, 3, rue Mal. Joffre 44041 Nantes, cedex 01 France. Tel: (33) 40 30 60 56; Fax: (33) 40 30 60 01)

● ICDAR '91 - First International Conference on Document Analysis and Recognition (Saint-Malo, 30 Sept. - 02 October '91). An international forum for the dissemination of new ideas, basic research, and issues concerning practical applications of on-line and off-line processing in automatic analysis and recognition of documents. (Inf. V. Ségaut, C. Sweeney, ICDAR '91, AFCET, 156 bld Péreire 75017 Paris, France. Tel: (33) 1 47 66 24 19. Fax (33) 1 42 67 93 12)

● CMCEN '91 - Communications for Monitoring and Control of Electrical Energy Networks (Paris, 8 Oct. '91). The principal developments concerning communications to monitor and control electrical energy networks, with the emphasis on new requirements, proposed and existing solutions, standard requirements. (Inf. CMCEN '91, SEE, 48 rue de la Procession 75015 Paris France. Tel: (33) 1 45 67 07 70. Fax: (33) 1 40 65 92 29).

● PQA '91 - First International Conference on Power Quality (Paris, 15-18 Oct '91). Power quality is a key factor in the production of electric energy end-use applications employing sensitive electrical equipment. The search for solutions to these problems requires an extensive knowledge of the causes of such perturbations and cooperation between end-users, manufacturers and electric utilities. (Inf. M. Lucien Deschamps, SEE, 48 rue de la Procession 75015 Paris France. Tel: (33) 1 45 67 07 70. Fax: (33) 1 40 65 92 29).

● IRESTE '92 - Deuxièmes Journées Internationales de la Polarimétrie Radar (Nantes, 8-10 Sept. 92) (Inf: Pr Joseph Saillard, Responsable due laboratoire S2HF IRESTE, La Chanterie C.P. 3003, 44087 Nantes cedex 03 France. Tel: (33) 40 68 30 00 Fax: (33) 40 68 30 66).

● 5th International Conference on "Putting into Practice Methods and Tools for Information Design" (Nantes - France, 23-25 Sept. '92). Concepts, methods and operational tools, and it will be attended by those from both the Academic and Industrial worlds. (Inf. M. Henri Habrias Liana, IUT, 3 rue du Maréchal Joffre 44041, Nantes cedex 01 France. Tel: (33) 40 30 60 56. Fax: (33) 40 30 60 01)

● JINA '92 - 7èmes Journées Internationales de Nice sur les Antennes (Nice, Sophia Antipolis, 12-14 Nov. '92). Inf. Secretariat JINA '92, CNET-PAB, Centre de la Turbie, 06320 La Turbie, France. Fax: (33) 93 41 02 29).

● INTELEC '93 - Conférence Internationale (Paris, Palais des Congrès, 27-30 Sept '93) (Inf. SEE, 48 rue de la Procession, 75015 Paris. Tel: (33) 1 45 67 07 70. Fax: (33) 1 40 65 92 29)

The following conferences are in preparation:

Annual IEEE Robotics and Automation Conference in Europe (Acropolis, May 1992)

CompEuro '93 - Computers in Design and Manufacturing (Montpellier, 11-14 May 1993). (Inf. M. Alain Croisier, IBM France, 3-5 place Vendôme, 75001 Paris, France. Tel: (33) 1 40 15 53 04. Fax: (33) 1 42 60 99 75).

### Other French News

La section française parraine de plus le:

Séminaire d'une journée concernant les normes et futures normes de testabilité : IEEE 1149.1 (dites Boundary Scan ou JTAG) et les projets en cours de normalisation IEEE 1149.2, 3 et 5 (Paris, au cours du Forum Mesure et Test 24-27 septembre 91). Inf. M. Maurice Mohr, CCEL, rue de l'église, 78310 Maurepas, France. Tel: (33) 30 69 09 89.

Dans le cadre des accords passés entre l'ARE et la Section française de l'IEEE, nous annonçons les conférences suivantes:

■ La guerre électronique (par l'I.G.A. Paul Assens - 23 octobre 1991)

■ Optronique et le domaine militaire (par M. Jean Dansac - 27 novembre 1991)

■ Utilisation des satellites pour les communications (par M. Jean Salomon - 11 décembre 1991)

Ces conférences auront lieu à 17h, dans la salle no 11 de la FIEE, située au quatrième étage du 11 rue Galilée, Paris 16ème - Métro Boissière ou Léna. Pour tout renseignement ou confirmation, s'adresser à Mme Birckel, 193 rue du Faubourg Saint-Martin, 75010 Paris. Tel: (1) 46 07 40 77

### Creation de Deux Groupes de Travail au Chapitre Informatique.

Ces groupes s'adressent à toutes personnes, chercheurs aussi bien qu'utilisateurs, désirant développer ou faire partager leurs compétences dans le domaine spécifique du groupe.

Leurs activités pourront comprendre:

■ des conférences d'introduction,

■ des présentations d'activités au sein de groupes industriels et de laboratoires universitaires.

■ des présentations d'utilisateurs sur leurs besoins ou leurs réalisations

■ des discussions techniques sur des thèmes de recherche ou d'application.

Les personnes intéressées voudront bien se faire connaître des animateurs des groupes, dont les adresses se trouvent ci-dessous

### Groupe Réseaux Neuronaux

Ce groupe est animé par:

Françoise Fogelman, Mimetics, 5 Centrale Park, Av. Sully Prud'homme, 98298 Chatenay Malabry. Tel: (33) (1) 40 91 09 90. Fax: (33) (1) 40 91 90 55.

Il a pour objet l'étude de systèmes informatiques basés sur les modèles neuronaux, matériels ou logiciels, et de leurs applications.

Il se réunira mensuellement dans les locaux d'IBM France, 3-5 place Vendôme, 75001 Paris, et pour la première fois le Jeudi 19 septembre de 17h à 19h.

Chaque séance débutera par une conférence d'une heure, suivie d'une heure de discussion. Les premiers conférenciers seront: Françoise Fogelman (Mimetics) Jean-Bernard Theeten (Philips LEP) Gérard Dreyfus (ESPC) Groupe Sécurité des Informations

### Groupe Sécurité Informatique.

Ce groupe est animé par: Robert Klein, Institut de Recherche Polytechnique, Université de Haute Alsace, 34 rue Marc Seguin, BP 2438, 68067 Mulhouse cedex. Fax: (33) (16) 89 59 97 87.

Il pour objet la discussion des besoins de sécurité pour les entreprises de toute taille, y compris les PME/PMI et des outils qui peuvent être mis en œuvre pour les satisfaire.

La communication intra et inter-entreprises et les problèmes de normalisations seront pris en compte.

Le groupe se réunira pour la première fois le lundi 9 septembre 1991 de 14h 30 à 17 h, dans les locaux de la SEE, 48 rue de la procession, 75051 Paris.

M. Bréan (Thomson), Président de la Comm. de Norm., 27 de l'AFNOR (Techniques de Sécurité) y donnera une conférence sur le thème: Besoins en Sécurité des PME.

Les réunions suivantes seront mensuelles: Lundi 7 octobre, Lundi 4 novembre, Lundi 9 décembre. Les horaires ainsi que le choix des conférenciers seront définis par les membres du groupe.

Section Chairman: Dr. Maurice G. Bellanger, 54 rue de Rennes, 75006 Paris France. Tel: +33 1 40 94 75 16. Fax: +33 1 46 30 62 24.



## Poland

By Professor Andrzej Filipkowski

The Poland Section now has more than 200 members, a growth of 40%; the Student Branch has 26 members. The increase is due mainly to the convertibility of our currency and the 50% discount for low income members. The reduction for former students after graduation is also important.

**Chapters.** A joint AP/AES/MTT Chapter was established in 1990 and a CAS Chapter in January 1991. Power and Communication Chapters are in the final stages of processing. Some difficulties have arisen with the Computer Chapter and we shall therefore first create a Student Chapter.

### Conferences in 1991/2.

Fourteenth National Conference on Network Theory and Electronic Circuits. 23rd-25th October, Waplewo.

KIF '91 was held in May; 500 students attended..

International Symposium on Electromagnetic Fields in Electrical Engineering - ISEF '91. 19-20th September 1991 in Southampton, England - Organised by the Poland Section

MIKON '91 - National Microwave Conference. 21st-23rd May 1991.

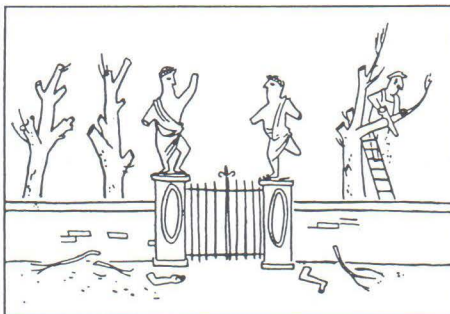
Microelectronics '92. 21st-23rd September 1992 - Warsaw.

**Problems. 1.** We have difficulties in creating our own Section bank account, this we hope to solve in co-operation with Headquarters; it is an urgent necessity because we still have problems with dues payment.

2. Individual payments through bank transfers receive little attention in Headquarters.

3. It is very difficult to manage a large Section without reliable and permanent office facilities and we are seeking a solution to the problem through special funds for that purpose.

*Section Chairman: Prof. Andrzej Filipkowski, Komarowa 88-11, 02-507 Warszawa., Poland. Tel: +48 22 28 14 25 Fax: +48 22 25 23 000*



*"To be useful 'standards' must be universal"*

## UKRI

Joint MTT/ED/AP Chapter

By Mr. Terry H. Oxley

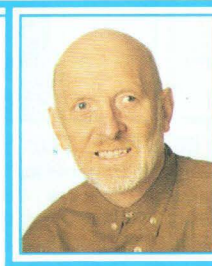
The Chapter welcomes members of the AP Society to this newly formed Joint Chapter. An evening "invited talk" on Technology Development in Digital and Microwave Systems was well appreciated by a good attendance; the meeting was organised by the Chapter in cooperation with Professional groups E10 and E12 of the IEE.



### Nordic Workshop

14-15 Sept. '91

Alborg



The workshop will discuss various Student Activity and Membership Development Programmes, in order to establish ways of extending member services, both by improving existing arrangements and considering new projects. Problems associated with Student Activities and Membership Development will be discussed with a view to finding practical solutions.

The organisers would welcome Student and Membership Development representatives from Sections outside the Nordic area; limited funds are available for travel expenses.

Further details may be obtained from: Mr. D.C.J.Poortvliet, TNO Research Unit, Westeinde Hospital EEG Dept., Lijnbaan 32, 2512 The Hague, Netherlands. Tel:+31 703 302 721. Fax: +31 703 809 459. \*\*or\*\* Prof. Dr. W.E.Proebster, Institut fur Informatik, Orleansstrasse 34, D-8000 Munich 80, Germany. Tel+49 89 48 095 223. Fax: +49 89 48 095 203.

*Dick Poortvliet*

*Walter Proebster*

### Chapter events for 1991 include:

23rd-27th September 1991: University of Leeds. Microwave Vacation School - annual short course on "Microwave Sub-system Design". Organised by the University of Leeds in co-operation with the MTT/ED/AP Chapter. An associated Chapter sponsored evening on Microwave and Millimetre Waves for Vehicle Control, by Dr. Andrew G. Stove of Philips Research Laboratories, will be held on 25th September. Contact: Dr. J.R.Richardson, Dept of Electronic & Electrical Engineering, The University of Leeds, Leeds LS2 9JT. Tel: +44 532 332002. Fax: +44 532 332032

2nd October 1991: King's College London. One-day colloquium - papers presented at the 1991 MTT-S Microwave Symposium. The meeting will present a range of selected papers to provide an opportunity for those who were unable to attend the Symposium to hear some of the papers. Contact: Prof. M.J.Howes, Dept of Electronic & Elec. Eng., the University of Leeds, Leeds LS2 8JT. Tel: +44 532 332002. Fax: +44 532 332032.

## Sweden

By Dr. Anders Derneryo

The response from Associate members to apply for Member grade was overwhelming. All thirty-three have been upgraded by the Admission and Advancement Committee.

**CONFERENCE.** The Vehicular Technology Conference (VTC '94) is planned for Stockholm in April 1994. Please contact the VT Chapter Chairman, Henry Scheffe, on +46 8 719 2159 for more information.

### TECHNICAL ACTIVITIES.

**MT/AP CHAPTER:** Seminars on GTD (Geometrical Theory of Diffraction) and on Microwave Optics are planned for the autumn. Contact: Thomas Lewin on 031 67 1091.

**PE CHAPTER:** Seminars on current subjects open to IEEE members will be held twice a month starting in September, at the Royal Institute of Technology, Stockholm. Contact: Roland Eriksson on 08 790 7988.

**EMC CHAPTER:** The autumn meeting is planned for October 30th at Statens Provningsanstalt in Boras. The topics are: Shielding technology, and a visit to the new System Level EMC Test facility. Contact: Peter Landgren on 0586 814 28.

**NEW CHAPTER.** Efforts are being made to form a Chapter within the Control Systems in Sweden. Please contact Professor Karl Johan Aström on 046 108 741 at Lund University for further information.

A Chapter is a technical sub-unit of a Section, it consists of a minimum of 12 members of a Society. It is required to hold not less than two technical meetings

per year.

*Section Chairman: Dr. Piotr Starski, Chalmers University of Technology, Division of Network Theory, S-412 96 Göteborg, Sweden. Tel: 031 72 1734. E-mail: piotr@nt.chalmers.se (UUCP)*

18th December 1991: King's College, London. An evening "invited talk" by Prof. Alex L. Cullas, OBE, University College London. The development of microwave radar during the second world war on a personal recollection basis. Contact: Dr. J.K.A.Everard, Dept of Electronic & Elec. Eng., King's College London, Strand WC2R 2LS. Tel: +44 71 873 2744. Fax: +44 71 836 4781t

*Chapter Chairman: Mr. Terry H. Oxley, "Tremont", Back Lane, Halam, Newark. Notts NG22 8AG England. Tel: +44 636 815510. Fax: +44 636 815865.*



## Charles W. Turner

(Nominated by Region 8)

*Siemens Professor of Electrical Engineering, King's College, London England.*



Dr. Turner received the B.Sc. degree from London University and the Ph.D. degree in Electrical Engineering from Stanford University. He taught applied physics at Brunel University London and electrical engineering at the University of California, Berkeley. In 1971 he was appointed to the William Siemens Chair of Electrical Engineering at King's College London. He served as Head of Electrical Engineering and Dean of Engineering. He was elected to the Fellowship of Engineering of U.K. and is a Fellow of the IEE. Dr. Turner's research interests are microwave acoustics and microwave applications of superconductors. He has co-authored a textbook on superconductivity with T. Van Duzer, published or presented over 50 technical papers, and holds several patents.

IEEE Activities (S '58 - M '66 - SM '74). Region 8: Committee on Safety in Engineering Systems (1988). UKRI Section: Chairman 1986-88, Vice-chairman 1983-5, Secretary 1983-85. UKRI Student Counselor 1972-75

The principal objectives of the IEEE in Region 8 for the next decade should be to help all Sections in our very diverse Region to

## Basil C. Papadias

*Professor of Electrical Engineering  
Head, Electric Energy Systems  
Laboratory National Technical  
University of Athens, Greece*



Dr. Papadias received the Electrical Engineering and Doctor of Engineering degrees from the National Technical University of Athens (1956 and 1969) and the Master's and Doctor of Engineering degrees from Rensselaer Polytechnic Institute, of Troy, N.Y. U.S.A. (1972 and 1975). As an electrical engineer he has been with the Public Power Corporation from 1958 to 1975, where he worked on operation and maintenance of distribution networks, system studies and planning, research on distribution systems, system studies on overvoltages, insulation coordination and protection of EHV Transmission Systems. Since 1975 he has been professor of Electric Energy Systems. Current research includes switching transients, transient stability, renewable energy sources and applications of artificial intelligence to power systems. He is a member of the Administrative Council of CIGRE, and author of over 70 research and technical papers and of 6 books. He is a member of IEE, CIGRE, Sigma Xi, ETA Kappa Nu, Tau Beta Pi and the Technical Chamber of Greece. He is a Senior Member of IEEE (1973) and has been involved in IEEE activities in various ways since 1970.

## Michel Henri Carpentier

*President-elect of the - French  
"Societe des Electriciens et  
Electriciens"*



Born 1931- France - Graduated Ecole Polytechnique (Paris), Sup-Aero (Paris), Sup-Elec (Paris).

Scientist in Polytechnique (Paris), Sup-Aero (Paris), Sup-Elec (Paris).

Scientist in the French Ministry of Defence (1956-1961) - Medical appliances, airborne equipment - Technical Manager Thomson-CSF - Surface Radar Division (1966-1973) - Technical Manager Thomson-CSF (1974-1977) - Senior Vice-president R and D - Thomson (1978-1982) - Senior Vice-president R and D - Thomson-CSF (1982-1990) - Senior adviser - Thomson-CSF (From 1990).

Professor in nineteen Institutes of Technology or Universities or "Grandes Ecoles" (14 in France) in servomechanisms, signal processing and radar.

Author of "Radars - Bases modernes (6 issues in French), translated from French into Russian, Chinese, English (last issue in English by Artech House: "Principles of modern radar systems").

Fellow IEEE, Member French National Academy of Air and Space, President-elect of French "Société des Electroniciens et Electriciens", Chairman - College de Polytechnique

## REGION 8 DIRECTOR-ELECT - 1992 CANDIDATES

achieve technical and professional excellence in electronics and informatics, the twin engines driving modern technological societies.

We should seek closer collaboration with national societies, using the IEEE's transnationalism to strengthen existing links. The changes in Eastern Europe and elsewhere provide unique opportunities for the IEEE to participate in a technological renaissance, to the ultimate benefit of the whole Region. We must explore ways to help the smaller Sections develop more rapidly, and increase awareness and understanding of the problems they face in a highly competitive world.

I strongly support initiatives to increase Chapter activity; in addition to large conferences organised by the Region, more small-scale meetings and tutorial workshops are needed to promote greater involvement of individual members. Member services must be given high priority in respect of members' concerns, publications, and so on, so that IEEE membership is seen to represent good value for all members.

The IEEE has a very important role to play, as a unique international technical organisation. To respond efficiently to that role throughout the area of its responsibility, Region 8 must improve communication between Sections, emphasise educational activities, continue its technical conference programme and its work for students and membership development. Among the major goals of Region 8, continuing education should be considered as one of primary importance, on which we must focus our attention and for which we must try to establish certain feasible practices. The Director and Regional committee should maintain its concern for improving the IEEE services offered to the members.

A policy that I intend to pursue, if elected Director, is to approach the members and improve the IEEE situation in the Eastern European and African countries. There are many electrical engineers in those countries who are not exposed to the beneficial influence of the IEEE and working in that direction is both a challenge and a duty.

I have been lucky enough to share my professional activities between:

(1) Research (in radar and signal processing); Education (professor in France, Spain, Brasil and Italy); Technical editor (servomechanisms and radar, and I am now preparing books on microwaves); and mainly in industry (where I have had significant responsibilities for 27 years in both management and development).

(2) President-elect of the French "Société des Electroniciens et Electriciens" (French Institute of Electronics and Electricity) and I shall help to improve the relationship between IEEE and local societies and reinforce cooperation between Region 8 Sections.

(3) I have had the pleasure of travelling all over the world and meeting many people having different traditions, education and ways of life: I hope to contribute towards an improvement in friendship between us.



# PAYING YOUR DUES, SUBSCRIPTIONS OR FEES

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*(The information upon which this page is based was provided by a number of members of the Institute staff in USA; to all of them the Editor is most grateful)*

1. **ALL MEMBERS** may pay by Credit or Charge Card: Mastercard, Visa, American Express, or Diners Club. There is a space for this on the membership form accompanying your dues bill. There are no extra IEEE charges

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2. **MEMBERS FROM THE FOLLOWING 14 COUNTRIES** may pay in local currency with an ordinary personal cheque. The exchange rate is that on the day of posting. There are no extra IEEE charges.

Austria Belgium Denmark France Germany Ireland Italy Netherlands Norway Portugal Sweden Switzerland Yugoslavia United Kingdom

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3. **IN SWITZERLAND, FRANCE AND ITALY**, members may pay through their National Society. There are no extra charges.

Switzerland: SEV - Geschäftseilz/Siege social, Seefeldstrasse 301, CH-8008 Zurich, Switzerland.

France: SEE - IEEE Section Francaise, 48 Rue de la Procession, 75724, Paris Cedex, France.

Italy: AEI - 20126 Milano - Viale Monza 259, Italy

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4. **ALL MEMBERS** may pay their dues in \$ US through their local bank, if that bank provides a \$ transfer service. There are no extra IEEE charges but there will be local bank charges. Transfers should be sent to: First Fidelity Bank, Executive Office, 550 Broad Street, Newark, NJ 07102, Account No. 113 067384 1. Do not forget to include your name and Membership Number.

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5. **IN LUXEMBURG, TURKEY, SOUTH AFRICA, SAUDI ARABIA AND SPAIN**, members who cannot pay by credit card should consult their bank and seek the advice of their Section chairman. They should include an additional 2% to cover exchange control fluctuations, plus 25% to cover US bank charges.

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6. In countries with foreign **EXCHANGE CONTROL PROBLEMS** members should consult their bank and seek the advice of their Section Chairman.

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8. **PAYMENT** by post should be made to Membership Services - see 10. You are advised not to send cash.

9. **ALL ENQUIRIES** about payments should be addressed to Membership services; do not forget to include your name and Membership Number. See 10

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10. **THE ADDRESS OF IEEE** Membership Services is: 445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331, U.S.A. Tel +1 908 562 5538. Fax: +1 908 463 3657

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11. Membership Services is trying to negotiate additional agreements with the aim of allowing all members to pay either by credit card or by personal cheque in their local currency

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The words "dues, fees and subscriptions" appear frequently in IEEE documents, and in Region 8 News. They have no agreed IEEE meaning but the following unofficial suggestions have been obtained from the Institute Headquarters in New York:

Dues: Money paid annually for membership in the IEEE

Fees: Monies paid annually for membership in one of IEEE's 35 (technical) Societies (includes the cost of core publication)

Subscription: The purchase by pre-payment of all issues of a periodical for a period of one year. In the case of Society members, "subscription" refers to periodicals other than the Society's core publication. In the case of non-members, "subscription" refers to all IEEE periodicals, whether purchased individually or in packaged offerings.

As an alternative, Region 8 members might wish to give all three words the same meaning - "IEEE charges". Or even "Membership Subscription, Society Subscription, Publication Subscription."

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## COMMUNICATING WITH THE IEEE IN USA

Miss Josephine Malyar is the Region 8 Representative in the Membership Services Department; she deals with communications from Region 8 and it is to her that you should address correspondence - see 10. If your question or problem is not resolved within two weeks from the date of its receipt in Membership Services Dept., you will receive an acknowledgement which will include the promise that a letter will follow shortly. Miss Malyar looks forward to serving the members of Region 8 in the coming year and for years thereafter.

**QUESTIONS YOU HAVE ASKED** (Region 8 News, February 1991 p8). Mr. Richard Pellis, Manager Customer Services, does not have an Internet address. Mr. Perry Sensi's Internet address is: p.sensi@ieee.org. Barbara Ettinger's Internet address is: b.ettinger@ieee.org

**The Brussels/Technical Activities Board/Region 8/Computer Society/European** office of the IEEE. There exists some confusion in connection with the correct title of this/these office/s, and the service/s which it/they provide for members; all will be resolved in a specially commissioned article in the November 1991 Region 8 News.





**INTERNATIONAL  
ELECTRONICS  
DESIGN  
CONFERENCE**  
24-25 SEPTEMBER 1991

**ELECTRONICS  
DESIGN SHOW**

**ELECTRONICS  
DESIGN SHOW**  
24-26 SEPTEMBER 1991

NATIONAL EXHIBITION CENTRE-BIRMINGHAM  
SEPTEMBER 24-26 1991

**NATIONAL EXHIBITION  
CENTRE, BIRMINGHAM  
UK.**

The conference will focus on key trends in electronics design including:-

- Fuzzy logic/neural networks
- Concurrent design
- Design for test
- Mixed mode design for ASICs

4 half-day modules, each with 8 speakers.

The exhibition will have almost 200 companies represented, showing products such as:

- Semiconductors
- EDA systems & tools
- Components
- ASICs

For further information please contact:

Susannah Batty, MGB Exhibitions Ltd., Marlowe House,  
109 Station Road, Sidcup, Kent DA15 7ET, England.  
Telephone 081 302 8585.



**King's College London**  
UNIVERSITY OF LONDON

## Personal & Mobile Radio Communication Systems

Two-day course  
11/12 November 1991

Technical aspects, operations and applications of  
the second generation of cellular mobile and  
personal communication technology

Fee £500

Further information from: The Continuing Education Unit,  
King's College London, 552 King's Road, London SW10 0UA  
Tel: 071 352 1408

### International Electronic Design Conference

By Professor A.C. Davies

This conference will take place alongside the Electronics Design Show; any such conference associated with a large exhibition runs the risk that the presentations become marketing platforms for promoting products or companies. The

Steering Committee, of which I am Chairman is determined to avoid this pitfall; the selected themes address future developments with the aid of realistic and authoritative projections, by speakers who can look well ahead to future products. By avoiding too great an emphasis on theoretical treatments, we hope to attract senior industry leaders and policy-makers as well as practicing electronics engineers. The association with

the IEEE is intended to assist the realisation of these objectives.

Design excellence remains of vital importance to the continued prosperity of electronics companies; it is becoming more than ever before the key factor by which the products of top ranking organisations are distinguished from those of their rivals.



## It's time for correct software



Contrary to widespread belief, it is now possible to achieve the same freedom from design errors in software as has long been normal in hardware designs. The following will help you to design correct programs:

- ▶ The three day seminar "**Designing Error Free Software**", available publicly or on-site in English or German
- ▶ The book *The Spine of Software: Designing Provably Correct Software – Theory and Practice* (John Wiley & Sons, 1987)
- ▶ The book *Error Free Software: Know-How and Know-Why of Program Correctness* (John Wiley & Sons, 1991)

For further information, please contact

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