

# IEEE VANDER VORST Region 8 News

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Europe, Middle East and Africa



21 MAY 1990

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## Reorganisation and the Technical Activities Board

Mr. T.W. Hissey - Chairman TAB Strategic Planning & Review Committee

*A great deal has been written, here and elsewhere, about the proposed reorganisation of much of the IEEE's administrative system; one part of that system is the Technical Activities Board (TAB), which reports directly to the Institute's Board of Directors, the highest authority that there is. TAB is largely responsible for those IEEE services which directly affect the members in their professional work.*

*Mr. Hissey was involved in the negotiations which led to the newly formed Technical Activities Board and he is now the Chairman of what is potentially one of the most important IEEE Committees, a committee which in effect examines the future of the IEEE in relation to changes in members' expectations of what the Institute should provide in order that they, the members, may derive the maximum benefit from their membership. (Ed.)*

It is generally accepted that rapid advances in technology will demand changes in the way in which the Institute serves the technical interests of its members, in particular the continuing growth in membership has introduced problems, the consequences of which have not in the past been fully appreciated. A 1989 *ad hoc* Committee was requested to submit a report outlining a suggested programme of reform. There were three principal questions:

i) Over the past several years, some concern has been expressed about the way in which the Institute's principal technical board (TAB) serves the interests of IEEE; it has often been said that the Technical Activities Board is too remote from the members themselves for it to serve their needs properly. How then should the Board be changed so that it is in a position to correct current problems quickly and anticipate future problems efficiently?

ii) How can the flexibility of the Institute's administration of members' technical requirements be improved, so that it can accommodate a changing international interest in the Institute and what it has to offer?

iii) What steps can be taken to ensure that international interests are represented on the Technical Activities Board?

The 1989 TAB *ad hoc* Committee, which consisted of all the Technical Directors and Society Presidents, recommended several changes in the organisation of the TAB itself. Those recommendations were accepted by the Technical Activities Board for implementation in 1990.

This was not just a "change for the sake of change", but the result of a detailed analysis of the composition and functions of the existing TAB. Known problems and possible future needs were examined by an interested and dynamic group led by Mr. Behnke, now the Director of Division VII. The new organisation may be defined briefly as follows:

**The New Technical Activities Board** will be organised into Councils and Standing Committees, and will oversee all technical functions of the Institute which are not already assigned to other Boards. Its principal interests will be: Publications, Technical Meetings, Liaison with other IEEE Boards and non-IEEE bodies, International affairs, and Planning for the future

The Board consists of 55 members, including: 35 Society Presidents, 10 Divisional Directors, 2 Technical Council Presidents, and the Chairman of the Strategic Planning & Review Committee.

**(1) TAB Administrative Council.** This replaces the former TAB-OPCOM. It will consist of five Society Presidents and five Divisional Directors, and is designed to give more weight to contributions from the Societies, and hence to the opinions of members

**(2) The President's Forum.** This in the past was an informal "closed" group of Society Technical Council Presidents, which met to discuss problems of mutual interest. It has now

been formalised and meets to discuss matters of its own choosing; the meetings of the Forum are open to all members of TAB. It is the intention that this body too will give the Societies and their members easier access to the decision-making processes of the IEEE.

**(3) A TAB Caucus** is now established. Here Technical Society/Council Presidents and Divisional Directors meet to examine a general proposal originating from the TAB. It provides an opportunity for discussion and debate not possible in the full TAB meetings.

**(4) Strategic Planning & Review Committee.** It will serve as an advisory group to TAB and develops 5-10 year plans dealing with the broad goals outlined by TAB for future years. It will administer the periodic review and evaluation of all Technical Societies and TAB committees. It will also monitor the success of TAB in achieving its goals for the current year.

**(5) RAB/TAB Transnational Committee.** Serves as the IEEE coordination committee for ensuring the success of the Institute's future international plans. It will assist in defining necessary action in geographical areas of the world with a potential for the greatest regional growth and activity.

Since we are only midway through the first year of restructured TAB operation, it is too early to evaluate fully the real impact of the change. The deceptively simple, but in practice difficult, task of the TAB reorganisation is to ensure that **it listens and reacts promptly to member' needs throughout the world.**

*Readers would be wise not to seek a formal definition for all the bodies to which reference is made in this article. TAB, TAB-OPCOM, COUNCIL, CAUCUS, RAB, Technical Council, Forum and Standing Committee, should all be regarded just as "Committees". If you really must have definitions, some help may be found in "Bylaws", obtainable from the IEEE through the usual channels.*

## Chapters in Region 8

*By Professor André Vander Vorst*

In 1989 the Region 8 Committee approved the formation of a Chapter Co-ordination Committee, the purpose of which is to promote cooperation between Chapters and Chapter activities in general. Each member of the Committee is in charge of cooperation between a Society and its Chapters within Region 8.

The Societies having the largest membership in Region 8 are: Computer, Circuits & Systems, Control Systems, Microwave Theory & Techniques + Antennas & Propagation, Power Engineering, and Communications + Acoustics, Speech & Signal Processing.

The present composition of the Committee is as follows:

### **Chairman:**

**Prof. André Vander Vorst (MTT & AP)**  
Hyperfréquences U.C.L., Batiment Maxwell  
1348 Louvain-la-Neuve, Belgium.  
Tel: +32 10 47.23.00  
Fax: +32 10 45.22.72

### **Members:**

**Prof. Anthony Davies (CAS)**  
Dept of Electrical Engineering  
King's College London, Strand  
London WC2R 2LS  
Tel: +44 71 873 2441  
Fax: +44 71 836 4781

**Prof. Per Martin Larsen (CSS)**  
Electrical Power Engineering Dept.  
Technical University of Denmark  
Building 325, 2800 Lyngby, Denmark  
Tel: +45 42 88.16.33  
Fax: +45 42 88.61.11

**Prof. Basil Papadias (PE)**  
National Technical University of Athens  
42, Patisision Street, 10682 Athens  
Greece.  
Tel: +301 3600.551  
Fax: +301 3637.312

**Prof.-Dr. Walter Proebster (Comp)**  
University of Munich  
Orleansstrasse 34, D-8000  
Munich 80, Federal Republic of Germany  
Tel: +89 48095.223  
Fax: +89 48095.203

## IEEE Field Services

Mr. Melvin I. Olken has recently been appointed Staff Director of IEEE Field Services. In that post he will be responsible for the administration of Regional, Section & Chapter Services, and Membership & Student Services.

For the past six years Mr. Olken has worked in the Institute's Technical Activities Department, he has also held the position of Society Services Director. Before joining the IEEE, Mr. Olken was Manager of Electrical Generation for the American Power Services Corporation; he has held a variety of engineering and management positions.

A member of the Institute since 1963, he was elected a Fellow in 1988 for "Contributions to innovative design of reliable generating stations". He has taken part in the Power Engineering Societies affairs and has served as Chairman of that Society's Technical Council, and as Chairman of the Power Generation Committee, he is also a member of the Council of Engineering and Scientific Society Executives.

We welcome Mr. Olken and would assure him that no effort will be spared in ensuring that his working day will not be one of boring inactivity. His office is in the IEEE Service Centre, Piscataway. New Jersey.

## Miss Terry H. Burns

*is in need of assistance*

She is part of the organisation which will produce a live visual aid presentation at the SECTIONS CONGRESS 1990 in Toronto, and requires slides illustrating the international scope of the IEEE. 35mm transparencies are preferred, but photographs can be copied.

"Ideal pictures would be those showing IEEE Engineering in Action - if possible people should be included. Pictures illustrating the international character of the IEEE, not necessarily with an engineering content, would also be welcome."

Her address Miss Terry H. Burns, Staff Co-ordinator SC '90, IEEE Field Services, Box 1331, 445 Hoes Lane, Piscataway N.J. 08855-1331, U.S.A.

Please, in sending your slides or pictures, say whether or not they should be returned to you.

## For Students

Hi all you students in Region 8. By the time you receive your personal copy of this issue of Region 8 News, the Student Paper Contest will already have taken place. It was held in Rome, and as you have probably noticed, we did not manage to organise an International Student Meeting at the same place and date. This unfortunate fact was due to difficulties in finding a Conference that would accept the SPC as a part of their programme, and when finally we did find one, I had difficulties in contacting the local Conference committee and Student Branch. I apologise for letting you down.

We still might have a chance to meet this year, since the SB Eindhoven didn't have their 10th anniversary in April, as I advertised in my previous article, but somewhere in September/October instead, where they intend to organise a Student Meeting as well. So let's wait and see what they come up with; you can ask for more information direct from Eindhoven.

Erik Daniels, University of Technology Eindhoven, Den Dolech 2 EH 1.28, 5612 AZ Eindhoven, The Netherlands; or you can try to e-mail: rcstieeesb@heithe5.BITNET

The Region 8 Committee will have its sprint meeting in Brussels in May and I'll try to solve the Student Paper Contest/International Student Meeting problems by that time. Let's hope that we shall have annual or at least biannual regular Student Meetings.

The IEEE SB mailing list has many new entries and the postmaster Mr. Petri Solanti has been happy to release new versions of the list almost every other week. That's the spirit! There are altogether 45 Student Branch e-mail addresses now from Belgium, Finland, France, Germany, Great Britain, Greece, Ireland, Israel, Italy, the Netherlands, Norway Portugal, Spain, Switzerland, Turkey and Yugoslavia. If you wish to include your student branch's e-mail address in the list and get a copy of the latest version, e-mail to Petri Solanti and say who you are and give him your address - his e-mail address is pso@tut.fi

Oh yes; the list mentioned above is not merely a list of different e-mail addresses, but is actually also a mail alias. This means that if you send e-mail to address: ieesb-eu@tut.fi, a copy of your e-mail is automatically sent to every other address in the list. Thus you can reach a whole bunch of students in a few minutes.

Have a good end of term and remember to travel across Region 8 during your summer vacation.

Mr. Mikko Katajamki  
Dept of Electrical Engineering  
University of Oulu  
SF90570 Oulu, Finland.

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## North Italy

By Professor Vito Monaco

### Attività in Programma:

#### Electronic Packaging and Interconnections.

Hotel Executive, Milano - 1-2 ottobre, 1990.

Information: CC&F s.r.l., CP 184- 27100 Pavia, Italy  
Fax +2.26221777

#### ESREF '90

#### First European Symposium on Reliability of Electron Devices - Failure Physics and Analysis.

Tecnopolis, Valenzano (Bari) - 2-5 ottobre 1990.

Information: Dr. G. Bonati, Tecnopolis CSATA - 70010 Valenzano (Bari) Italy  
Fax: +80 65 1868

#### IEEE CompEuro '91

Palazzo dei Congressi, Bologna, Italy - maggio 13-16, 1991.

Information: Sercoop Congressi, Via Massarenti 190, 40138 Bologna, Italy.  
Fax: +51.309477

#### COMPU MAG 91

Sorrentoo, Italy, July 1991.

Information: Prof. R.Martone, Università di Napoli  
Via Claudio 21, 80125 Napoli, Italy.  
Fax: +81.616897

#### EUROSPEECH '91

Genova, Italy.

Information: Ing. G.Pirani, CSELT, Via G.Reiss Romoli 274  
10148 Torino, Italy  
Fax: +11.2169520

Cari Soci,

essendo stata presentata per la carica di vice-chairman della Sezione, due Candidature: quella dell'Ing Basilio Catania, proposta dal Nominating Committee e quella del Prof. Gianni Conte, proposto mediante petition si è resa necessaria, a norma di regolamento effettuare le elezioni mediante schede. Si raccomanda di esprimere il proprio voto compilando la scheda inviata e restituendola a mezzo posta in modo che pervenga, entro il 27 Aprile, giorno in cui verrà effettuato pubblicamente lo scrutinio, alle ore 11.00 presso il Dipartimento di Elettronica, Informatica e Sistemistica dell'Università.

La prima riunione dello Standintg Committee con la nuova presidenza si terrà il 4 Maggio p.v. A conclusione del mio mandato rinnovo i ringraziamenti a tutti coloro che hanno contribuito in vario modo al buon andamento della Sezione. Nel seguito sono elencate le attività già programmate per il futuro. A tutti i Soci un cordiale saluto

The Chairman  
Vito Monaco

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## A Letter from Poland

Dear Readers

We are all witness now to the great changes taking place in the countries of eastern Europe. But we Poles are more than observers of these events, we are as it were actors on the stage - in fact perhaps some of the principal actors. For the first time in fifty years Poland is again a free country, a situation which gives us great happiness, but the condition of our economy casts a shadow over these happy sentiments. In the present favourable atmosphere of sympathy and good-will we would hope for effective help from our colleagues in the IEEE. We do not seek material assistance, we want to work out everything for ourselves.

I address to all IEEE Region 8 members a request for help in finding suitable work for young Polish engineers for relatively short periods, perhaps for 6 months to two years. It would be a splendid opportunity for them to improve their use of foreign languages, and to discover new working methods, and new technical developments; the restrictions under

which we have worked for the past fifty years have left us, although very willing to learn, far behind the rest of the technological world.

Thirty years ago I was in Great Britain, on a 6 months training course in the English Electric Company. There I learned many new techniques and methods of work and profited considerably from the improvement in my English - it was one of the pleasantest periods in my life and I am still in contact with my English friends. I do not want to speak about increasing scholarship exchange, that is Mr. Dick Poortvliet's domain.

The Electrotechnical Institute in which I am now working would derive considerable benefit from improved contacts with other European countries, particularly in research but perhaps also in business studies. We have at our disposal many laboratories and workshops and we are open to discuss many different types of mutually cooperative agreements. The Institute deals with a wide range of electrotechnical questions, both in fundamental and applied research, and also in the experimental production of many inter-

esting units. We will willingly send details to anyone who might be interested in eventual cooperation. We are very proud of being the only country among the Eastern Block countries having had for seventeen years a "Poland Section".

We hope for a substantial increase in the number of members in our Section and also for an increase in the formation of new Sections in our neighboring countries. I apologise for making this request but this is a time when we must seek the help of all our friends, wherever they may be, I personally have lost some 50 years of my life and I would hope that I can play some small part towards ensuring the success of a new Poland, a Poland in which we shall be able to enjoy the company and cooperation of our engineering colleagues everywhere. My very best wishes to all member of Region 8 IEEE. Please address correspondence to me: ul. Pozaryskiego 28, 04-703 Warszawa, Wieslaw Seruga, Sekcja Polska IEEE, Junior Past Chairman, POLAND.

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## KUWAIT

By Dr. Hussian Al-Ahmad

A petition to form a new IEEE Section in Kuwait has been submitted to Region 8. Mr. Abdulrahman Al-Gunaim (FIEEE) is the interim Chairman of the proposed Section.

The first IEEE seminar in Kuwait was held at the Faculty of Technological Studies on 20th February 1990; the subject was the "Role of the IEEE in Advancing the Engineering Profession". On 5th May the members are planning a symposium on Digital Signal Processing;

the symposium is sponsored by F.T.S. and co-sponsored by IEEE Region 8. Also three short courses are planned for May 1990: Digital Signal Processing 6th May, Expert Systems 9th May, and Satellite Communications 12th May.

Finally a petition to form a new Student Branch at the F.T.S. has been submitted. The branch is unique in that it is probably the only one in which there is a preponderance of ladies - of the 40 members 31 are ladies.

## France - By Dr. F. Vallée

### Activities

We remind our readers that in France, the active Chapters are the following

- \* ASSP (Acoustics, Speech and Signal Processing) - Chairman Mr. Bellanger.
- \* POWER Engineering - Chairman Mr. Cladé
- \* COMSOC (Communications Society) - Chairman Mr. Lombard.
- \* COMPUTER - Chairman Mr. Crosier.
- \* MTT (Microwave Theory & Techniques) - Chairman Mr. Fouad-Hanna.
- \* EMC (Electromagnetic Compatibility) - Chairman Mr. Mayer

### New Fellows

The France Section is happy to announce the election of two Fellow members for 1990:

**Mr. André S. Merlin.** For contributions to and leadership in power system planning and operation and, in particular, for the development of methods and systems for power real-time control, operation planning and expansion planning.

**Mr. Jean-Claude Sabonnadière.** For contributions to numerical calculations of electromagnetic devices and fields.

### Conferences

In association with other Societies the France Section of Region 8 is co-sponsoring the following conferences:

- Information Processing and the Management of Uncertainty (Paris 2nd-6th July 1990) - inf. Secrétariat de la Conférence IPMU-ENSTA, 32 bd Victor 75015 Paris, France.
- International Neural Network Conference (Paris 9-13th July 1990) - cf following press release abstract.
- 10th International Conference on Conduction and Breakdown in Dielectric Liquids. (Grenoble, 10-14th September 1990) - inf. 10 ICDL c/o CNRS-LEMD, 166x Grenoble Cedex, France: tél. (33) 76 88 10 71, Fax. (33) 76 88 11 61

- Parallel Computing in Engineering and Engineering Education (Paris 8-12th October 1990). - inf. A.C.Davies, Prof. Department of Electrical and Electronic Engineering, King's College, Strand, London WC2R 2LS England: Tel. +44 1 873 2898, Fax. +44 1 836 4781.

- JINA '90. International Symposium on Antennas (Sophia-Antipolis, 13-15th November 1990) - inf. Secrétariat JINA '90, CNET-PAB, Centre de la Turbie, 06320 La Turbie, France: Tel. Mr. Guiraud (33) 93 41 15 30, Mrs Cerboni (33) 93 41 17 17, Fax. (33) 93 41 02 29.

- JICABLE '91. Third international conference on polymer insulated power cables (Paris-Versailles, 3rd-8th March 1991) - inf. Secrétariat Général JICABLE 91, SEE, 48 rue de la Procession, 75015 Paris, France: Tel. (33) 1 45 67 07 70, Fax (33) 1 40 65 92 29.

- Power from Space '91. (Paris 11-12th April 1990) - inf. SEE, 488 rue de la Procession 75015 Paris, France.

- CompEuro '91. Advanced Computer Technology, Reliable Systems and Applications (Bologna, 6-10th May 1991) - inf. Prof. Vito A. Monaco, Dipartimento di Elettronica, Informatica e Sistemistica, Facoltà di Ingegneria, Via Risorgimento 2, 40136 Bologna, Italy.

### Press Release Abstract

INNC '90 - Paris: is the first international neural network conference in Europe to be endorsed by the IEEE and the INNS and sponsored by the Commission of the European Communities. The world's most eminent scientists and industrialists in the neural network field are included in the programme and will chair sessions in the congress. 450 papers have been submitted by industrialists and scientists world-wide, who wish to use this opportunity to make public their research and commercial developments.

(inf. Nina Thellier, INNC-90-Paris, NTC, 19 rue de la Tour, 75116 Paris, France: Tel. (33) 1 45 25 65 65, Fax. (33) 1 45 25 24 22.

### Other French News

**Le Chapitre MTT** organise les conférences suivantes:

- Microstrip circuit analysis: the integral approach (par Fred E. Gardiol - 6 avril 1990)

- Quasioptical system design for millimeter wavelengths (par Paul F. Goldsmith - 18 juin 1990)

- (Ces conférences auront lieu Au CNET d'Issy-Les-Moulineaux à 14h. rens. auprès de M. Fouad Hanna, CNET, PAB-ST5,38-40, rue du Général Leclerc, 923131 Issy-Les-Moulineaux, Tel. (1) 45 29 61 86)

**Le Chapitre Power** organise en collaboration avec la S.E.C., La journée d'études:

- Conducteurs granulaires - Théories, caractéristiques et perspectives (Paris, 10 octobre 1990) - rens. auprès de M. Lucien Deschamps, EDF-DER, 1 avenue du Général de Gaulle, 92140 CLAMART: Tel. 47 65 32 00, Fax. 47 65 32 51

**En collaboration avec l'A.R.E.** les conférences suivantes sont prévues:

- L'imagerie médicale (par Daniel Kaplan - 30 mai 1990)

- La cryptographie (par le Général Ribadeau-Dumas - 12 juin 1990)

- Le téléphone cellulaire (prévu pour septembre 1990)

- L'électronique automobile (prévu pour octobre 1990)

- Les Magnétoscopes d'aujourd'hui et de demain (prévu pour novembre 1990)

- Radars de surveillance du sol (prévu pour décembre 1990)

(Ces conférences auront lieu à 17h. FIEE, 11 rue Hamelin, PARIS)

## Donald L. Suppers

The majority of those who read this will never have heard of Don Suppers, who died on 1st January, but most of us will have reason to be grateful for his work as IEEE Staff Director of Field Services at Piscataway, New Jersey. It was the responsibility of his department to look after membership, Region, Section and Chapter affairs, and to smooth out their many problems. And when these problems were not solved, and a frustrated member turned to Don, there was always a friendly and helpful response.

I knew Don throughout his time as Director Field Services. He was a quiet man, and quiet he always remained however difficult the circumstances might become. He was a modest man, a man who did not give the impression of having held the positions he had as a College Dean and Vice-president in industry. He was a charming man, a man with whom it was always a real pleasure to be associated, either on IEEE business or socially.

When speaking to Don he always gave the impression that you were exactly the person he wished to be with at that moment. This together with a ready wit and his skill at untangling administrative knots and his friendship, always so freely given, ensure that he will be missed by everyone who knew him and worked with him.

On behalf of all the members of this Region I extend our deepest sympathy to Don's devoted wife Dorris and their family. My sympathy goes also to his friends and colleagues who will I know, miss him as much as we shall.

**Bob Winton**

## Sweden

By Dr. Anders Derneryd

**Chapters:** On 13th March the MTT/AP Chapter arranged a well-attended symposium: "Printed Circuit Antennas". Five lectures were given by international and national experts; among them were the AP-S Distinguished Lecturer Robert Munson and Prof. Daniel Schaubert. Company visits to IM and Sivers-IMA in Kista are planned for the middle of May. Please contact Ryszard Vogel (08-7521244) for details. A seminar on optical microwaves is planned for September.

Roland Eriksson, KTH, is interested in forming a Power Engineering Chapter. Please contact him on 08-7907988 to discuss forthcoming activities.

**Conference:** The Sweden Section is sponsoring the 13th International Switching Symposium (ISS'90) to be held in Stockholm from 27th May to 1st June. Some 3,000 delegates are expected to attend. You too are very welcome to Stockholm this spring.

**Membership:** A drive to increase the number of Senior Members has started. To become a Senior Member you must fulfil the following conditions:

- 10 years professional experience (not 10 years IEEE membership)
- 5 years significant performance
- 3 references from Fellow or Senior Members

If you are qualified and interested in becoming a Senior Member, please contact Piotr Starski (031-721734) or Anders Derneryd (031-671042) to receive a Senior Member Application kit.

Sometimes it happens that your membership payment fails to be registered at IEEE Service Centre in USA. It may be that your membership number is missing on the cheque; please make sure your membership number is shown on your payment.

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

## Yugoslavia

By Professor Baldomir Zajc

We are inviting you to the First International Scientific Meeting on "Microwaves in Medicine '91", which will be held on 8-10th April 1991 in Belgrade, Yugoslavia.

The main intention of the meeting is to provide a major international forum for the presentation and exchange of recent progress in the application of microwave technology in medicine (diagnostic and treatment equipment) as well as to open and widen discussion of microwave radiation hazards in medical practice.

The main topics will include: Medical Applications of Microwave Fields, Microwave Radiation Hazards in Medical Practice, Microwave Radiation Protection and Safety Standards,

A short summary in English of approximately 300 words should be submitted (3 copies) by 30th June 1990 to:

Microwaves in Medicine '91 Committee  
Mrs. B. Jokanovic,  
IMTEL - Buelvar Lenjina 165b  
PO Box 220, 11070 Belgrade, Yugoslavia.  
Tel: 38 11 135420. Fax: 38 11 138 928

*Section Chairman: Professor Baldomir Zajc, Fakulteta za e elektrotehniko, Trzaska 25, 61000 Ljubljana, Yugoslavia.*

## Melecon '91

By Professor Baldomir Zajc

The 5th Mediterranean Electrotechnical Conference **Melecon '91** will be held from 22nd-24th May 1991 in Ljubljana, Yugoslavia. Papers describing original work related, but not restricted, to the following topics are solicited: **electronics** (microelectronics, optoelectronics and photovoltaics, devices and circuits, power electronics), **telecommunications** (communication theory, signal processing, ISDN, radio and optical transmission), **computer techniques** (networks, architecture, software, artificial intelligence), **control & robotics** (fundamental

research, numerical aspects and simulation, applications, biomedical engineering) and **education** (curriculum development, university-industry interaction, impact of information technology on education, continuing education). Each participant will be able to work in his own specialised field of interest and attend invited and tutorial lectures in other related or interdisciplinary fields.

**Prospective authors** are invited to submit a concise summary in English, not exceeding two pages of A4 before 15th July 1990. The summary must include the author's name, address, phone and fax numbers, and the general area in which it is to be included. Five copies of the summary must be sent to the Melecon '91 Secretariat, Faculty of Electrical and Computer Engineering, Trzaska 25, 61001 Ljubljana, Yugoslavia. Tel: +38 61 265 161. Fax: +38 61 264 990. The authors of accepted papers will be notified by 1st November. The final camera-ready paper will be due on 15th January 1991. The Proceedings of the conference will include all papers presented and will be free for all participants except students. The IEEE Region 8 student paper contest will be held during the conference. Interested students should contact their own Sections for further information.

The conference will be held in the cultural and congress centre Cankarjev dom located in the centre of **Ljubljana** within walking distance of all major hotels. During the conference various social events will be organised. After the conference, sightseeing trips will be held in the nearby Julian Alps and to the Mediterranean coast. It is only about one hour's drive from Ljubljana either to the Alpine world of high mountains, lakes waterfalls and forests, or to the Adriatic coast, with its mild climate, old picturesque towns and villages. Ljubljana itself was founded in the first millennium BC and was known in Roman times under the name of Emona. During the middle ages a town of craftsmen and merchants grew up around the castle hill. The city is today the political, economic, cultural and educational centre of Slovenia, one of the six republics which constitute Yugoslavia. We hope to see you at the Melecon '91 conference.

## You might wish to know

- Professor Fernando Aldana, from Spain, has been appointed Chairman of the Regional and Technical Activities Committee.
- The formation of a Kuwait Section has been formally approved.

- An Agreement between the IEEE and EUREL (The Convention of National Societies of Electrical Engineers of Western Europe) has been ratified.
- Those Student Members who transfer, after graduation, to a higher IEEE grade, will pay reduced dues as follows: The first year after graduation a 65% reduction, the 2nd year 50%, the third year 35%, the fourth year 20%. Thereafter they pay

the full dues.

- The 1991 Section Rebate Objectives and Section Rebate Schedule has been approved.
- Student Branches have been approved in Hanover (W.Germany) and Pretoria (South Africa)
- An Electromagnetic Compatibility Chapter has been formed in Switzerland

## CompEuro '91

### ERATUM

The Advertisement for **CompEuro '91** on the back page of the February Region 8 News gave the place and date of this Conference as "Hamburg, 9-12 May"; this should have been "BOLOGNA, 13-16 MAY 1991"

# FROM THE REGIONAL DIRECTOR

*Professor Sven-Olof Öhrvik*



*Sven-Olof Öhrvik*

Since my last contribution to Region 8 News, there has been interesting activity in several areas, including discussion of the IEEE volunteer structure and our international profile.

First I should like to mention a sad loss to the volunteers of Region 8. The Staff Director of Regional Activities, Don Suppers, passed away on the first of January; we shall remember him as a good friend, who always did his utmost to help us. We look forward to establishing contact with the new Staff Director Melvin Olken and welcome him to this important post.

## *International Affairs*

The IEEE Board of Directors will in May, meet for the first time outside N. America; both the BoD and Region 8 Committee will meet in Brussels in the same week. It is an important occasion, which can be seen as an indication that the BoD has a substantial interest in International issues; the President-elect, Eric Sumner, will be the Chairman of a small Committee within the IEEE Executive Committee to investigate possible new initiatives in Eastern Europe. I am sure that in Brussels good relations will be established between him and the East European representatives.

Also in May, the Transnational Committee will meet in Brussels. Its new Chairman, Professor Fernando Aldana from Spain, has initiated some interesting projects, which will be undertaken by several Task Forces:

**\*Value Added: to study which member services would give most value in relation to their cost**

**\*Improved Services to Members**

**\*Relations with Non-IEEE organisations.**

**\*Increased Participation in IEEE activities by non-USA members.**

## *Eastern Europe*

At the BoD meeting in February, considerable interest was expressed in support of plans to initiate and extend IEEE activities in Eastern Europe. The Transnational Committee was asked to prepare a proposal for a programme to be presented to the BoD as soon as possible: special economic support for conferences and workshops, aid to Sections to set up libraries of IEEE publications, special arrangements for payment of membership dues.

## *Volunteer Restructuring*

Comments on the proposals of the 1989 Committee for Volunteer Restructuring have appeared in Region 8 News and in other IEEE Publications. Parts of those proposals have been seriously criticised and there are still several open questions. Further discussion and comments from the members and from groups such as major boards were considered necessary before any part of the proposal could be implemented. A new committee, chaired by Divisional Director Al Goldberg, has therefore been formed to continue the work during 1990. I am the only member from outside North America.

The principal suggestions of the 1989 committee concerned the Education Activities Board and the Standards Board, and particularly a new organisation for the US activities (involving some 80% of the members). The idea is to form two major structures - IEEE-USA, and an overlay universal organisation ("IEEE-International?"). IEEE-USA would cover activities of interest primarily to USA members. IEEE-International would take care of activities of interest to most members irrespective of their geographical location. To secure a balanced plan it was considered desirable to permit the

establishment of geographical organisations, similar to IEEE-USA, in other parts of the world; Region 7 already uses the name IEEE-Canada. Outside North America however, the possibility of forming a new type of geographical group seems to be of little importance; therefore it seems to me that the proposal to allow these new geographical structures to be brought into being, would concern primarily the USA members.

If we assume that IEEE-USA is formed, the next issue will be the division of activities between IEEE-International and IEEE-USA. It would seem reasonable that professional activities, now handled mainly by the US Activities Board, are transferred to IEEE-USA. It is also probable that the work of the Technical Activities Board and the Societies will remain in IEEE-International.

## *Standards and Education*

For the Standards and Education Boards the situation is far from clear. Concerning the Standards Board, the views of the new Committee differ from those expressed in the 1989 proposal. There seem to be very sound arguments for keeping the Standards Board within IEEE-International; it is a successful operation, which should not be disturbed by large scale reorganisation - standards are becoming ever more international.

The most complicated situation concerns the Education Board, since one major part seems to fall naturally to IEEE-USA and the rest to IEEE-International. The 1989 proposal suggested that the IEEE accreditation activities, which form a part of the Accreditation Board for Engineering and Technology, should be transferred to IEEE-USA and the rest, such as continuing education and lists of recognised educational establishments, should remain in IEEE-International. However, the Education Board is very much against division along these lines, one reason being that the accreditation activities are integrated with the other activities and also that it is a very successful operation, which should not be disturbed by a major reorganisa-

tion. Another reason is that the activities remaining after such a division might not be sufficiently wide in scope to justify the continuation of Education as a major board.

## *The Brussels Office*

The possibility that the Brussels Office of the Computer Society might be utilised for some Regional work was discussed at the meeting of the Region 8 Committee in October 89 and a study group was initiated; there has also been some discussion at BoD level. A small task force has been set up to evaluate the possibilities and advantages of extending the operations of the Computer Society Brussels office. The task force co-chairman is Don Bolle, representing the Technical Activities Board, and myself. Don has been most active; TAB evidently wants to act forcefully and rapidly. The regional Activities Board cannot at the moment give us any economic support and we must therefore, if we want to make use of the services of the Brussels office, cover all the costs from our own Regional budget.

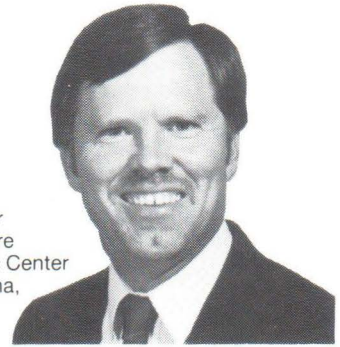
In the short term it is not realistic to change the present Computer Office into a joint IEEE Office for technical and regional activities. However, the Computer Society could expand the office to serve the other Societies also (coordinated by TAB) and possibly Region 8 as well. Since TAB wishes to start this year, the Computer Society was requested to prepare a detailed proposal before the summer; TAB could then take a decision in August and the office start serving all interested Societies in September.

There is therefore, some urgency for Region 8 to make up its mind; is it in our best interests and within our economic means to join such a project? The advantages could be:

- \* i) Simplified payment for IEEE publications and dues.
- \* ii) Handling of enquiries by local people
- \* iii) Distribution point for literature, transactions, information (including electronic mail node)
- \* iv) Contacts between Region, Societies, Chapters, and Sections



CEI-Europe/Elsevier, Finspong, Sweden



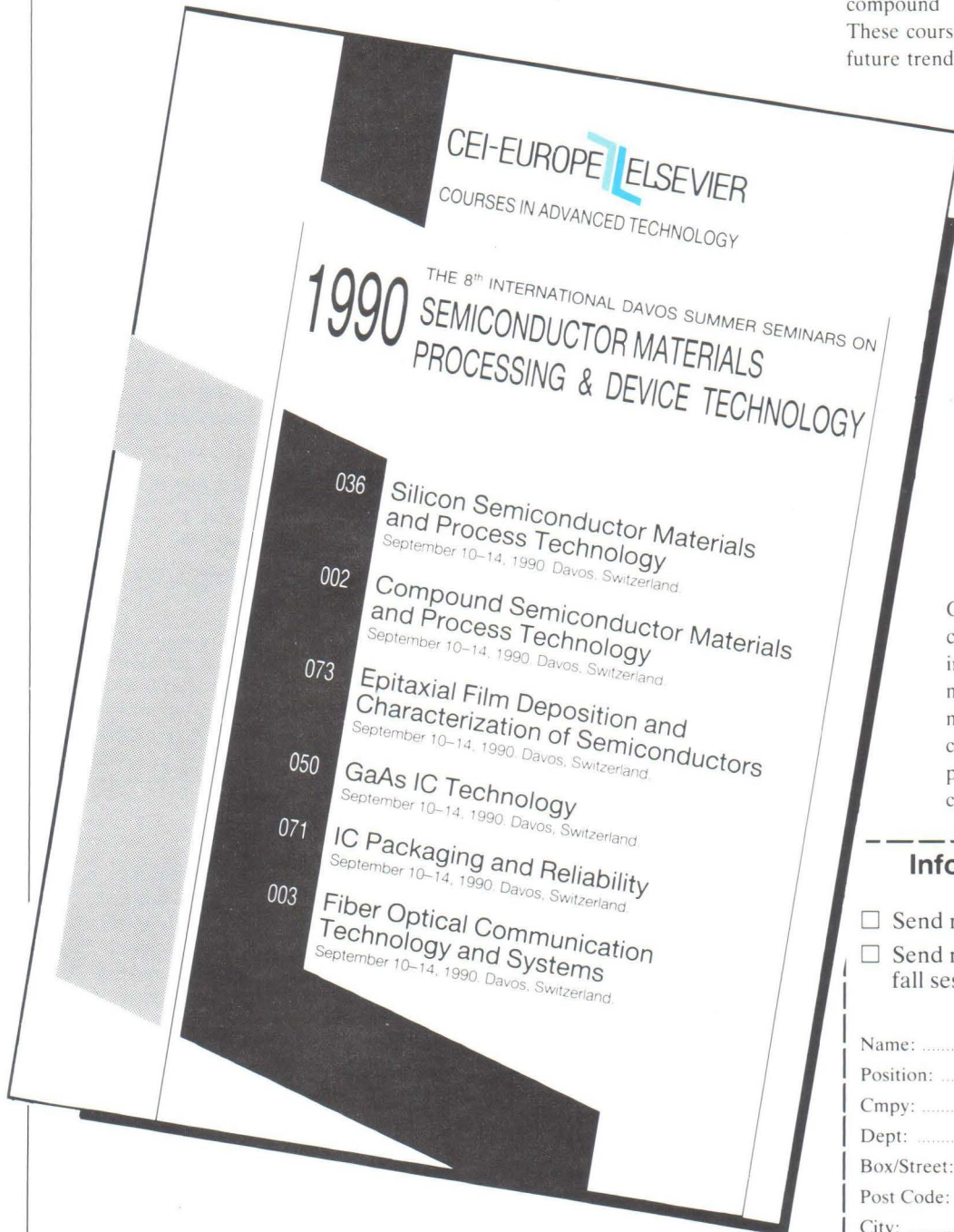
Course Director  
Dr. G.E. McGuire  
Microelectronic Center  
of North Carolina,  
NC, USA

This program offers a selection of classes for the new engineer as well as the specialist. Course 036 and 002 provide an overview of the materials and processing technology for Si and compound semiconductors, respectively. These courses cover the basic technology and future trends for the new engineer seeking an introduction to the major steps in device processing.

Course 071 and 073 provide in-depth knowledge on packaging and epitaxial film growth. These courses are intended for the individual who is already working in the field or who intends to specialize in one of these areas.

There are two packaging classes; 071, in this summer session, covers the high volume applications while 066, in the fall session reviews high performance packaging.

Course 050 is a program for the circuits fabricated on GaAs and includes two days of introductory material on GaAs and related materials. An overview of optical communication technology, components and systems is provided in course 003.



**CEI-EUROPE ELSEVIER**  
COURSES IN ADVANCED TECHNOLOGY

**1990** THE 8<sup>th</sup> INTERNATIONAL DAVOS SUMMER SEMINARS ON  
**SEMICONDUCTOR MATERIALS  
PROCESSING & DEVICE TECHNOLOGY**

**036 Silicon Semiconductor Materials  
and Process Technology**  
September 10-14, 1990 Davos, Switzerland.

**002 Compound Semiconductor Materials  
and Process Technology**  
September 10-14, 1990 Davos, Switzerland.

**073 Epitaxial Film Deposition and  
Characterization of Semiconductors**  
September 10-14, 1990 Davos, Switzerland.

**050 GaAs IC Technology**  
September 10-14, 1990 Davos, Switzerland.

**071 IC Packaging and Reliability**  
September 10-14, 1990 Davos, Switzerland.

**003 Fiber Optical Communication  
Technology and Systems**  
September 10-14, 1990 Davos, Switzerland.

**Information Request**

Semsum

- Send me the Course Brochure
- Send me information on the fall session December 1990

Name: .....

Position: .....

Cmpy: .....

Dept: .....

Box/Street: .....

Post Code: .....

City: .....

Country: .....

— Mail this form to the address below —

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# United Kingdom & Republic of Ireland

## UKRI Students

Region 8 of the IEEE, which encompasses Greenland, Africa, the Middle East, USSR and Europe, holds an annual Student Paper Competition in parallel with one of the Region's major Conferences. One author from each Paper selected for the finals is given the opportunity to attend the Conference free of charge to present the Paper, and there are cash prizes for the three winners.

In order to encourage students from the United Kingdom and Republic of Ireland to enter the Regional Competition, a UKRI Heat has been arranged for which certificates, prizes and travelling expenses have been sponsored by FILTRONIC COMPONENTS LTD., a high-technology Company based at Shipley (near Leeds) which specialises in microwave filters and sub-systems.

The Contest is open to ALL UKRI STUDENT MEMBERS OF THE IEEE, under-graduate or post-graduate, and the papers need not contain original work but should be based on first-degree work e.g. Final-year projects. They should not be more than 15 A4 pages (double spacing) in length, including diagrams and references etc. The author's name and affiliations should be given on a separate frontispiece and should not be repeated in the Paper itself; this is to ensure independent judging. A separate Abstract of up to 300 words should be included. Multiple authorship by Student Members is acceptable, however only one author per selected Paper will have travelling expenses reimbursed.

**DEADLINES** 2 copies of each paper should reach the UKRI counsellor named below by 19th September 1990. Heat finalists will be notified by 20th October 1990 that they will be required to make a half-hour presentation on the subject of their papers in November. Winners will be chosen on the basis of both the written Paper and the presentation

**IT'S SO EASY and could be SO REWARDING. HAVE A GO!**

*Student Counsellor: Derek Dring, Dept of Electronic and Electrical Engineering, The University, Leeds, LS2 9JT*

## Circuits & Systems Chapter

### 1989-90 Meetings:

- Adaptive Algorithms for Signal Estimation and Control.
- Novel Switched Capacitor Architectures based on Wave and Voltage Inverter Switch Concepts.
- Nonlinear Dynamics and chaos: Applications to Circuit and Device Theory.
- The Automation of Analogue IC Design: Methods, Trends and Future Developments.

### Suggested Events for 1990-91

- ISCAS Preview
- Personal Computer Workshop - Prof. Davies
- VLSI Design - Chris Guy
- Neural Networks - John Taylor
- DSP Design - Dr. Abel Razek
- Active Filters - Umesh Kumar
- Filter Design on Apollo Workstations - Prof. Cain
- Non-linear theory - Dr. Kappos

*Chapter Chairman: Professor L.F.Lind, Dept. of Electronic Systems Engineering, Wivenhoe Park, Essex, CO4 3SQ.*

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## Conference Co-sponsorship - 1990

- Seventh International Conference on Electromagnetic Compatibility
- International Symposium on Spread Spectrum Techniques and Applications
- International Conference on "Integrated Broadband Services"
- Third IEE Conference on "Telecommunications".
- International Conference on "Control '91"
- Fourth International Conference on TV Measurements
- Third International Conference on Power System Monitoring
- Twelfth IFAC Symposium on Automatic Control in Aerospace - "Intelligent Autonomous Vehicles".
- International Broadcasting Convention - IBC '90,

*Dr. Neil Adams, Dept of Electrical & Electronic Engineering, Queen Mary College, Mile End Road, London, England E1 4NS.*

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*Section Chairman: Mr. Roland Saam, Micros for Managers, 84 Lillie Road, London, England, SW6 1TN*

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## Turkey

*By Dr. Levent Onural*

After its formation in 1989, the IEEE Turkey Section is growing quickly; the Section Committee has decided to promote new Chapters and Student Branches. An application for a Signal Processing Chapter has already been filed by Enis Cetin and our Student members at the Bilkent University have applied for a Student Branch. If any of our members wish to start a new chapter in Turkey, I shall be very happy to help.

In Turkey, there will be three major events that will be of interest to IEEE members during

1990. BILCON '90, a conference organised by the Bilkent University Electrical and Electronics Engineering Department, will be held on 4-7th July in Ankara; the conference will focus on telecommunications, signal processing and control. For more information please contact Erdal Arikan, Bilkent University, P.K.75, 06572 Maltepe, Ankara. The IEEE is sponsoring an International Workshop on intelligent motion control in Istanbul on 20th-22nd August. The Chairman of the conference will be Okyay Kaynak whose address is Bogazici Universitesi,

P.K.2, Bebek, 80815 Istanbul. Finally, the Fifth International Symposium on Computers and Information Sciences will be held in Cappadocia between 30th October and 2nd November. More information is available from A.E.Harmanci, I.T.U. Bilgi Islem Merkezi, Ayazaga 80626 Istanbul. These conferences will be in English, and the attendance is expected to be of the order of a few hundred for each one.

A New journal entitled "The Journal of Electrical Sciences" is being planned by Kemal Inan, who will serve as the Editor-in-

Chief. The editorial board will include well-known names; and the journal will be owned by the Chamber of Electrical Engineers of Turkey, the national Electrical Engineering Society.

I should like to announce the fabrication of a VLSI chip which is designed in Turkey by a group headed by Abdullah Atalar, it deserves attention as being the first VLSI chip designed in Turkey.

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*Section Chairman Dr. Levent Onural, Bilkent University, P.K.75, 06572 Maltepe, Ankara, Turkey.*



# Recently Elected Fellows in Region 8

By Professor E. Folke Bolinder

**Fernando Aldana** Polytechnic University of Madrid, Spain: for contributions to Industrial Electronics.

**Pieter Balk** Delft Institute of Microelectronics and Submicron Technology, the Netherlands: for contributions to Silicon and III-V Materials and Device Technology.

**Johann F. Böhme** - Ruhr University, Bochum, West Germany: for contributions to Array Signal Processing.

**Basilio Catanis** - CSELT, SpA, Turin, Italy: for contributions to the development of Optical-fibre Telecommunications Systems.

**Brian J. Cory** - Imperial College, London: for contributions to High-voltage DC Transmission and Digital Protection of Power Systems

**Marcello D'Amore** - University of Rome, Italy: for development of Simulation and Analysis of Models to Evaluate Transmission Line Corona on Communication Channel Performance

**Wolfgang Fichtner** - Swiss Federal Institute of Technology, Zurich: for the application of Numerical Modeling to Device Scaling and Submicron Transistor Optimisation.

**Michel R. Gevers** - Université Catholique de Louvain, Louvain-la-Neuve, Belgium: for contributions to the understanding and identification of Linear Multivariable Systems.

**Kees A. Schouhamer Immink** - Philips Research Laboratories, Eindhoven, the Netherlands: for contributions to Optical Laser Recording and

Compact-disc Digital Audio Systems.

**Gideon F. Inbar** - Technion, Haifa, Israel: for contributions to Biocybernetics and Biosignal Analysis of the Neuromuscular System and to Biomedical Education.

**K. Pal Kovacs** retired - Budapest, Hungary: for contributions to the understanding of the Dynamic Performance of Electrical Machinery.

**Ismo V. Lindell** - Helsinki University of Technology, Finland: for contributions to Electromagnetic Theory and for the Development of Education on Electromagnetics in Finland.

**Mohammed Maqusi** - Jordan University of Science and Technology, Aman: for contributions to Electrical Engineering education in the Middle East, and to the application of Walsh functions.

**Umberto Mengali** - Pisa University, Italy: for contributions to the Theory of Synchronisation in Digital Communication Systems.

**Andr e S. Merlin** - CRTT ALPES, Lyon, France: for contributions to and leadership in, Power Systems Planning and Operation and, in particular, for the development of methods and systems for Power Real-time Control, Operation Planning, and Expansion Planning.

**Dieter A. Mlynski** - University of Karlsruhe, West Germany: for contributions to Graph-theoretic foundation and Computer-aided Design of Electronic Circuit Layout and to Electronic Engineering Education.

**Hans R M ller** - IBM Zurich Research Laboratory, R schlikon, Switzerland: for contributions to the overall Architecture and Design of the Token-ring Local-area Network.

**A. David Olver** - Queen Mary College, University of London, England: for contributions to the design and analysis of Horn and Reflector Antennas.

**Hans-J rg Pfeleiderer** - Siemens AG, Munich, West Germany: for contributions to Charge-coupled Device Circuit and Filter design.

**Josef Raviv** - IBM Israel, Haifa, Israel: for contributions to Data Compaction, Pattern Recognition, and Information Theory.

**Tullio E. Rozzi** - University of Ancona, Italy: for contributions to the theory and modeling of Propagation in Wave Guides with Discontinuities.

**Jean-Claude Sabonnadi re** - National Technical University of Grenoble, St Martin-d'Heres, France: for contributions to Numerical Calculations of Electromagnetic Devices and Fields

**Roberto Sorrentino** - Tor Vergata University, Rome, Italy: for contributions to the modeling of planar and quasi-planar structures for microwave and millimeter-wave circuits.

**Jacques L. Willems** - University of Ghent, Belgium: for contributions to the theory of Dynamic Systems with applications to Power Systems.

In the whole of the IEEE there are 230 new Fellows, some 10% are in Region 8; a record of which the Region may justly be satisfied.

## New Section Formation

By Basil W. Osborne - Region 8 Secretary

We welcome Kuwait as our newest Section. Approval for its formation was given by the Regional Activities Board on 20th February 1990, and the Region now has 29 Sections. Members in Kuwait who wish to assist in the work of the Section should contact Mr. A.R.K. Al-Ghunaim, PO Box 27, 13001 Safat.

Recent developments in Europe have led to a resurgence of IEEE activity in countries where we have hoped for some years that a Section might be formed. We have received most encouraging news from Romania, indicating that a petition for Section formation may soon be submitted; and in Czechoslovakia, while progress is slower, there is a wide

interest. Organisers from each of these countries have been invited by Director  hrvik to participate in the next Region 8 Committee meeting to be held in Brussels on 12-13th May. We send our congratulations to Prof. Mihai Draganescu (for some years the Chairman of the Romania IEEE Section-in-development) on his election as President of the Romanian Academy.

Members in Romania who are interested in helping with the work of establishing the new Section should contact Prof. Andrei P. Silard, Dept. of Electronics, Polytechnic Institute, Bucharest OP16. Those in Czechoslovakia should make themselves known to Dr. Vratislav Stepar at the V.U.S.E. Research Institute, 19011 Praha 9, Bechovice

## Membership Development

By Professor Walter Proebster

I ask all members to do their best to find a new member! In order to give the IEEE a wider appeal we have produced a membership leaflet especially for Region 8 - a copy is enclosed with this Region 8 News. The new leaflet is designed to explain more clearly how to complete the Application Form and to highlight the principal benefits of membership: receiving the numerous high standard IEEE publications (which cover technical and scientific developments worldwide) the opportunity to meet colleagues having similar interests, and membership of an international organisation which

now has 315,000 members. And remember that we intend never to compete with national societies, but to complement their activities and provide an international outlook. The fact that there are 25,000 members in Region 8, most of whom belong to their national society, indicates how valuable IEEE membership is found to be.

Last year our Regional membership increased by nearly 15%; I wish to maintain and increase this momentum. The personal recommendation of existing members is so much more powerful in introducing new members than printed material can ever be. Please therefore use the leaflet enclosed to gain a new member.

# Electrical & Electronics Engineers' Calendar of Conferences & Exhibitions in Europe, the Middle East & Africa.

No. 18

Issued by the Institute of Electrical & Electronics Engineers Region 8 and printed in the Region 8 News, which is sent free of charge to all IEEE members in the Region. Dr. J. Baal-Schem, the Region 8 Conference Co-ordinator, is always interested in receiving information on future Conferences and Exhibitions being held in the Region. Information should be sent to him at the address on page 11.

May 1990

## JUNE 1990

- 10-15 **IEEE Information Theory Workshop**  
Veldhoven, The Netherlands  
Contact: Dr. A.J.Han Vinck, Faculty Electrical Eng. Tech. University of Eindhoven, Postbus 513,5600 MB Eindhoven, The Netherlands
- 10-15 **IEEE Power Electronics Specialists' Conference.**  
Contact: Professor Mehrdad Ehsani, Power Electronics Laboratory, Dept of Electrical Engineering, Texas A&M University, College Station, TX 77843, U.S.A.
- 10-16 **International Workshop on Algorithms and Parallel VLSI Architectures**  
Pont-a-Mousson, France  
Contact: Dr. Alle-Jan van der Veen, Dept of Electrical Eng., Delft University of Technology, 2618 CD Delft, The Netherlands.
- 25-26 **ITG/IEEE Workshop on Microelectronics for Neural Networks**  
Dortmund, Federal Republic of Germany.  
Contact: Dr. U. Rueckert, ITG/IEEE Workshop '90, University of Dortmund, Emil-Figge-Str.68, D-4600 Dortmund 50 Federal Republic of Germany
- 26-29 **10th International Wroclaw Symposium on Electromagnetic Compatibility**  
Wroclaw, Poland  
Contact: EMC Symposium, Box 2141, 51-645 Wroclaw 12, Poland
- 26-28 **FTCS 20 - International Symposium on Fault Tolerant Computing**  
Newcastle-upon-Tyne, UK  
Contact: Prof. Bej Littlewood, CSR, City University, Northampton Square, London EC1V 0BH
- 27-29 **EFDC/LAN '90 - 8th Annual European Fibre Optic Communications and Local Area Network Conference.**  
Munich, Federal Republic of Germany  
Contact: EFDC/LAN '90 Secretariat, Clarastr. 57, PO Box 6 CH-4005, Basel, Switzerland
- 27-29 **First International Conference on Communications & Signal Processing**  
Brighton, UK  
Contact: IEE Conference Dept.
- 29-29 **Southern African Conference on Communications & Signal Processing**  
Johannesburg, South Africa  
Contact: Prof. C.Pauw, Dept of Electronics & Computer Engineering, University of Pretoria, 0002 Pretoria, South Africa

## JULY 1990

- 02-04 **International Symposium on Databases for Parallel and Distributed Systems**  
Dublin, Ireland  
Contact: IEEE Computer Society Conf. Services, 1730 Massachusetts Avenue, N.W.Washington, DC 200036-1903, USA.

## 02-05 Bilkent International Conference on New Trends in Communication, Control & Signal Processing

Ankara, Turkey.  
Contact: Dr. Abdullah Atalar, Bilkent University, P.K.S., Maltepe, Ankara 06572, Turkey

## 09-11 Joint Conference on New Trends in System Theory

Genova, Italy  
Contact: NTS T Secretariat, c/o Prof. G.Conte, Via L.B.Alberti 4, 16132, Genova, Italy

## 09-13 International Neural Network Conference

Paris, France  
Contact: Mrs. Nina Thellier N.T.C., INNC-90-Paris, 19 Ru de la Tour, 75115 Paris, France

## 09-12 2nd International Conference on Factory 2001 - Integrating Information and Materials Flow

Cambridge, England  
Contact: IEE Conference Dept.

## 17-19 4th International Conference on Power Electronics and Variable Speed Drives

London, England  
Contact: IEE Conference Dept

## 23-27 Fifth International Conference on Radio Receivers and Associated Systems

Cambridge, England  
Contact: IEE Conference Dept.

## 24-27 Software Engineering '90

Brighton, England  
Contact: BISL, 13 Mansfield St., London, W1M 0BP, England

## AUGUST 1990

## 20-22 IEEE International Workshop on Intelligent Motion Control

Istanbul, Turkey.  
Contact: Professor G. Buja, Dept of Electronics, University of Trieste, Via Valerio 10, 34127 Trieste, Italy

## 27-31 INTERACT '90 - 3rd IFIP Conference on Human-Computer Interaction

Cambridge, England  
Contact: BISL, 13 Mansfield St., London, England, W1M 0BP.

## 28-31 7th International Conference on Electromagnetic Compatibility

York, England.  
Contact: IEE Conference Dept.

## 28-8 05-09 23rd General Assembly of the International Union of Radio Sciences.

Prague, Czechoslovakia  
Contact: Prof. V. Zima, 182 51 Praha 8, Czechoslovakia.

## 29-31 International Conference on Information Technology and People

Bournemouth, England.  
Contact: IEE Conference Department

## SEPTEMBER 1990

## 03-04 4th International Symposium on Short-circuit Currents in Power Systems.

Liege, Belgium  
Contact: Mrs. Ch. Lacrosse, c/o AIM, 31 rue St. Gilles, B-4000 Liege, Belgium

## 03-07 IMACS International Symposium on Mathematical Models and Intelligent Models in System Simulation

Brussels, Belgium  
Contact: Prof. R. Hanus, IMACS-MIM-S2 '90, ULB-CP165, Avenue F.D.Roosevelt 50, B-1050 Brussels, Belgium

## 09-13 12th International Semiconductor Laser Conference

Davos, Switzerland  
Contact: Conference Secretariat, Mrs. Glassi, IQE-HPT, Swiss Federal Institute of Technology, CH 8093, Zurich, Switzerland

## 10-11 1990 Conference CASE on Trial

Cambridge, England  
Contact: BISL, 13 Mansfield ST. London, England W1M 0BP

## 10-13 CONPAR-VAP 90 - Joint Conference on Vector and Parallel Processing

Zurich, Switzerland  
Contact: Professor Dr. H. Burkhart, Institut für Informatik, Universität Basel, Mittlere Strasse 142, CH-4056, Basel, Switzerland,

## 12-14 IPCC '90 - IEEE Professional Communication Conference

Guildford, Near London, UK  
Contact: Dr. G.H.Byford, "Sandstones", Crooksbury Road, Runfold, Farnham, Surrey, GU10 1QB, England.

## 16-20 ECOC '90 - 16th European Conference on Optical Communication

Amsterdam, The Netherlands  
Dr. E.Maanders, Treasurer Benelux Section IEEE, General van Portlandaan 39, 5623 KZ Eindhoven, The Netherlands.

## 18-21 EUSIPCO '90 - 5th European Signal Processing Conference

Barcelona, Spain  
Contact: Eusipco-90 Scientific Com. Dept., Teoria de la Senai y Comunicaciones, ETSITB-UPC, Apdo. 30002, 08080 Barcelona, Spain

## 19-21 6th International Workshop on Computer Applications for the Visually Handicapped

Leuven, Belgium  
Contact: Kath. University of Leuven, Prof. J. Engelen, K. Mercierlaan 94, B-3030 Leuven, Belgium

## 21-25 1990 International Broadcasting Convention

Brighton, UK  
Contact: IEE Conference Dept.

## 24-26 International Symposium on Spread Spectrum Techniques and Applications

London, England  
Contact: Prof. A.C.Davies, Dept of Electronic & Electrical Engineering, King's College London, Strand, London WC2R 2LS, England

**OCTOBER 1990**

- 1-3 **EUROSENSORS IV**  
Karlsruhe, Federal Republic of Germany  
Contact: Prof. Dr. K.H.Händtl, Karlsruhe Unit, Hertzstrasse 16, D-7500 Karlsruhe 21, Federal Republic of Germany.
- 8-12 **Conference on Parallel Computing in Engineering and Engineering Education**  
Paris, France  
Contact: Conference Services, The Micro-computer Unit Ltd., 45 Holborn Viaduct, London EC1N 2PB, UK.
- 15-18 **International Conference on Integrated Broadband Services & Networks**  
London, UK  
Contact: IEE Conference Dept.
- 20-23 **COGNITIVA '90**  
Madrid, Spain  
Contact: AFCET-COGNITIVA '90, 156 Boulevard Péreire, F.75017, Paris France
- 30-10 **02-11 Fifth International Symposium on Computer And Information Sciences**  
Cappadocia, Turkey  
Contact: Dr. Gulbin Dural, Middle East Technical University, Dept. of Electrical and Electronic Eng., 06531 Ankara, Turkey

**NOVEMBER 1990**

- 05-09 **International Conference on Computer Communication**  
New Delhi, India  
Contact: Ms Saroj Chowla, ICC-90 Secretariat, CMC Ltd., A-5 Ring Road, South Extension - I, New Delhi, India.
- 13-15 **JINA '90 - International Symposium on Antennas**  
Nice, France  
Contact: Secretariat JINA '90, CNET-PAB Centre de Turbie, 06320 La Turbie, France.
- 15-17 **MULTIMEDIA '90 - 3rd IEEE ComSoc International Multimedia Communications Workshop.**  
Bordeaux, France  
Contact: J. Rivenc, Secretariat - Multimedia '90, ADERA-BP48-F33166, St. Medard-en-Jalles, Cedex, France
- 26-29 **Eighth International Conference of the Israel Society for Quality Assurance**  
Jerusalem, Israel  
Contact: ISAS, PO Box 574, Jerusalem 91004, Israel.

**DECEMBER 1990**

- 17-19 **CNNA-90 - International Workshop on Cellular Neural Networks and its Applications**  
Budapest, Hungary  
Contact: Prof. T. Roska, MTA SzTAKI, Hungarian Academy of Sciences, uri-u. 49, Budapest, H-1014, Hungary.

**FEBRUARY 1991**

- 20-22 **KIVS '91 - Conference on Communication in Distributed Systems**  
Mannheim, Federal Republic of Germany  
Contact: Prof. Dr. Wolfgang Effelsberg, University of Mannheim, Seminargebaude A5, 6800 Mannheim, Federal Republic of Germany.

**MARCH 1991**

- 12-14 **9th International Zurich Symposium and Technical Exhibition on Electromagnetic Compatibility.**  
Zurich, Switzerland  
Contact: Tech. Programme Committee EMC 1991, ETH-Zentrum-IKT, 8092 Zurich Switzerland.
- 17-20 **Third IEE Conference on "Telecommunications"**  
Edinburgh, UK  
Contact: IEE Conference Dept.
- 25-28 **Control '91 - International Conference**  
Edinburgh, Scotland  
Contact: IEE Conference Dept.

**APRIL 1991**

- 14-18 **7th International Conference on Antennas and Propagation**  
University of York, England  
Contact: IEE Conference Dept.
- 17-19 **ETC '91 - European Test Conference**  
Munich, Federal Republic of Germany  
Contact: Peter Stilke - VDE, Stresemannallee 15, D-6000 Frankfurt 70, Federal Republic of Germany
- 22-24 **CCC '91 - Third Mid-European Conference on Custom/Application Specific Integrated Circuits**  
Sopron, Hungary  
Contact: MATE Secretariat, H-1372 Budapest, Kassuth I ter 6-8, Hungary
- 22-26 **ISSLS '91 - International Symposium on Subscriber Loops and Services.**  
Amsterdam, The Netherlands  
Contact: W. Van der Bijl, p.a. ISSLS, PO Box 3g 2260 AA, Leidschenclam, The Netherlands
- 22-26 **CIREC 1991 - International Conference on Electricity Distribution**  
Liege, Belgium  
Contact: AIM Conference Services, Rue St. Giles 31, B-4000, Liege Belgium.
- 23-25 **Commsphere '91 - International Commsphere '91 Symposium**  
Herzliyo, Israel  
Contact: Commsphere '91, c/o ORTRA, PO Box 50432, Tel-Aviv 61500, Israel

**MAY 1991**

- 06-10 **CompEuro '91 - IEEE Conference on Advanced Computer Technology, Reliable Systems, and Applications**  
Bologna, Italy  
Contact: Professor Vito Monaco, Dipartimento di Elettronica, Via Risorgimento 2, 40136, Bologna, Italy.

- 22-24 **MELECON '91 - Mediterranean Electro-technical Conference**  
Ljubljana, Yugoslavia  
Contact: Professor B. Zajc, Fakulteta za Elektrotehniko, Trzaska 25, 61000 Ljubljana, Yugoslavia.
- 22-25 **12th IFAC Symposium on Automatic Control in Aerospace "Intelligent Autonomous Vehicles"**  
Southampton, UK  
Contact: IEE Conference Dept.

**JUNE 1991**

- 20-22 **4th International Conference on Television Measurements**  
Montreux, Switzerland  
Contact: IEE Conference Dept.

**JULY 1991**

- 1-3 **The Bicentennial Conference on Computing**  
London, England  
Contact: IEE Conference Department

**APRIL 1992**

- 04-07 **CompEuro '92 - IEEE Conference on Advanced Computer Technologies, Systems and Applications**  
The Hague, The Netherlands  
Contact: Prof. P.M.Dewilde, Delft Inst. of Technology, Dept of Electrical Engineering, MaKELWEG 4, NL -2628 CD Delft, The Netherlands

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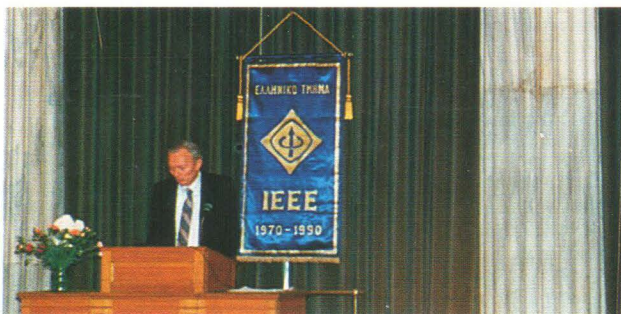
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## GREECE (1970-1990)

By Professor B. Papadias



The Greece Section celebrates this year its 20th anniversary. To commemorate the event a special meeting, with a social character, was organised on 18th January; apart from IEEE members and past Section Chairmen, many officials were formally invited, from the Power Utility, the Universities and Industry.

Past Chairmen, Professors Tegopoulos, Protonotarios and Halkias, our immediate past Chairman and the present Chairman, referred to the accomplishments and activities of the Section during its 20-year history. Amongst these were the establishment of the Power Chapter - 1979 and the visits of IEEE Presidents 1975 & 1983; we have been hosts to Melecon '83 in Athens, and to other Conferences and Workshops. We have also seen student paper distinctions and the establishment of the Cyprus Subsection.

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