

# IEEE Region 8 newsletter



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NEXT ISSUE - AUGUST

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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS  
INCORPORATED

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No. 74 MAY 1986

# TRANSNATIONALISM

## From New York to San Francisco - but which way round?

"Transnational", a word of unknown origin which fails to make an appearance in the *Oxford English Dictionary* but which does appear in the Institute's pronouncements. One assumes that it may be taken to mean that "all members enjoy the same facilities and are governed by the same rules, without national distinction." What, one is entitled to ask, are the practical consequences which follow from the use of this attractive sounding promotional adjective?

Subscriptions to the Institute itself, to its journals and to its societies are determined by the governing body in the United States and are quoted in dollars; nothing could be more egalitarian, or could it? Engineer Hiram B. Hackenbacher III Jr. working in Hocopoco, Arizona may work for one hour to earn his subscription to the Computer Society, Ivanovitch Smirnoff of Marksograd labours for three hours to buy his membership and Ahmed Vizagapatan from Ghandipur puts in five hours of toil before he can claim his copy of *Computer Magazine*. Transnational? not according to our definition. Society in general has created the problem but done nothing to solve it, the IEEE has at least tried.

As a part of the process of joining the IEEE a list of approved educational establishments has been brought into being, the UK part of that document makes mention of Cambridge University, but omits the University of Oxford. Just as it should be, according to those from Cambridge; but it also omits all the UK polytechnics, bodies which award degrees of university standard. Surely if the IEEE needs this information the proper place to obtain it is from someone with local knowledge, the UKRI chairman, who would have no difficulty in obtaining a complete list. Profesor Turner, the UKRI Chairman intends to correct this particular piece of transnational misinformation.

Holidays in the US calendar are no doubt important to those who live under the stars and stripes and quite rightly a list of US public holidays appears in the IEEE Technical Activities Guide (TAG), as, amongst other things, an aid to conference organisers, who like conference organisers everywhere, wish to avoid dates on which there are public holidays. Mr. George Washington's birthday is not celebrated in Rome, Riyadh, Sydney or Chungking with quite the enthusiasm which it commands in Albuquerque, New Mexico; but the "outside" world does not rise indignantly at its inclusion in TAG. The dates of public holidays in Europe are freely available; they could figure in the TAG calendar and are not protected by copyright. What then of holidays in countries outside Europe, might not the IEEE inhabitants of such places feel a little aggrieved if their great occasions were to pass unnoticed. Once more the transnational problem is easier to specify than to solve.

The Institute rightly places more than a little emphasis on Continuing Education; by this it means continuing Electrical Engineer-

ing education since for most of us, education is a process which is arrested only by a long wooden box. The IEEE has devoted substantial time and money to the production of "educational" material in a variety of forms, from books to sophisticated two way satellite courses. It does not however, seem to have given much thought to the differences between say British and Italian teaching methods and the attitudes of their universities towards electrical engineering education, or to the even greater differences between education methods in the US and in Europe in general. The IEEE video tapes have only rarely been well received in Europe; they do not seem to make good use of the opportunities provided by a visual stimulus to learning, for example the cost of a video tape programme is too high for time to be frittered away in pictures of a speaker reading his script, or in pictures of a machine producing integrated circuits at high speed. If the service is to be promoted in Region 8, might it not be wise as a first stage in the procedure, to devote at least some time to a study of the way in which the Region's members believe they should be introduced to that advanced technology which the United States undoubtedly possesses.

The Haraden Pratt award has this year been conferred on a candidate from outside the United States, Mr. Robert Winton, Secretary of Region 8. It was awarded largely as a consequence of his efforts in the interests of "transnationalism". He is in no doubt about the nature of the problem; it is that the US governing bodies do not *think* of the IEEE as a transnational organisation, transnationalism for them being a separate subject which should not impinge upon the general thinking of the Institute's governing and advisory bodies. Those who have read the 1985 report of the United States Activities Board will have seen that that board favours "the retention of controls on, and individual review of, the entry of foreign engineers into the US labour force"; and that the same board supports "a 'return-home rule' for foreign students, requiring them to leave the US for two years before adjusting their immigration status to seek re-entry, with limited exceptions for students of outstanding abilities". Is that one of the many faces of transnationalism? No one contests the right of nations to foster the well-being of their own inhabitants; indeed all nations do so, but for a scientific society to deny those most affected by such rules, a voice in policies which materially affect them, surely cannot be a part of that Society's transnational policy. It is the duty of national parliaments to debate these matters; the question is: should the Institute actively encourage a parliament to enact laws of this kind and thereby divide its members by nationality?

The Editor



## Message from the Director of Region 8

Our congratulations go to the Yugoslavia Section, the winner of the Regional Activities Board award for the best Section Membership Growth within the region during 1985; and to the Student Branch of the North Italy Section at the University of Trieste, the winner of the RAB Student Branch Growth award in Region 8 for 1985.

Our best wishes also go to France Section as 1986 marks the 25th anniversary of the formation of the Section in 1961.

Thanks to your efforts the Region 8 membership total continues to move forward at a steady rate, and reached 15068 at the end of 1985 (out of an IEEE world-wide total which is close to 275000). In our region the largest Sections are the United Kingdom & Republic of Ireland with 2495; Federal Republic of Germany with 1408; Benelux with 1369; Switzerland with 1188; and France with 969. All these figures were for 31 December 1985.

Where we have numerous members but as yet no Section, we endeavour to form one, provided that there are sufficient volunteers to provide an active Section Committee, and at least 50 names and membership numbers of voting members on the petition for the formation of the Section. For example in Kuwait and in the United Arab Emirates, I would like to see new Sections established this year, and members of standing in those countries who wish to participate in the work of a new Section are invited to write to me (some have already done so).

In some other countries, we have potential for new Sections, but the problem of gaining members and forming new Sections is closely related to currency exchange control regulations which prevent the payment of dues and subscriptions in dollars. Substantial effort is being directed by the IEEE towards finding an acceptable solution to this problem.

Our Sections in Region 8 maintain 43 Chapters of the IEEE Societies; and more are being formed. The Chapter meetings constitute an important part of the Section activities. We continue to encourage the formation of additional Chapters where there is sufficient enthusiasm by volunteers to keep them going. You may be interested to know that the IEEE Society Chapters in the Region include seven on Microwave Theory and Techniques; six on Antennas and Propagation; six on Computers; and five on Communications.

B.W.O.

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## From the Sections

### GERMANY

By Professor Dr. Rudolf Saal

In Munich, the *MTT Chapter*, established in 1985, held a very successful two-day workshop on CAD for Microwaves, for which there was an audience of more than 70. The Chapter now numbers some 100 members; sub-groups on CAD, sub-mm-waves, medical applications and professional aspects have been formed. Meetings on Mobile Systems (March 1986 – Stuttgart) and on hyperthermia (June 1986 – Duisburg) are being planned. For further information: Professor R. H. Jansen, University of Duisburg, Bismarckstr. 81, 4100 Duisburg.

A first local meeting of engineers involved in computer related activities has been organised by Mr. R. L. Baber, Landgraf Gustav Ring 5, 6380 Bad Homburg; a second meeting will take place in May at Frankfurt a. M.

In the coming months a number of local members' meetings on topics of general interest will be held in Aachen, Stuttgart, Munich, Karlsruhe and Frankfurt.

Membership continues to rise and at the end of 1985 was about 1400, including 128 student members.

New student branches are being formed in Aachen and Duisburg. Mr. Fassbender (Beginenstrasse 24, 5100 Aachen) has been nominated student Coordinator.

H. Meyer (Aachen), P. Lips (WT-Tiengen) and D. R. Lambrecht (Muelheim) have been elected Fellows.

The Section has supported, or will support, the following conferences: Architektur und Betrieb von Rechensystemen (10-12.3, Stuttgart, NTG/GI); Sensoren (17-19.3, Bad Nauheim, NTG/GMR); Netzrueckwirkungen (22-23.4, Bremen, ETG); Sprachkommunikation (28-30.4, Munich, NTG/GI); Elektronenroehren (5-7.5, Garmisch-Partenkirchen, NTG); Mikroelektronik

fur die Informationstechnik (29-30.4, Berlin, NTG); 8. DAGM (30.9. – 2.10, Paderborn).

Amongst other conferences in 1987 will be the first of the newly formed series Comp Euro, which should become a major event in the field. (11-15.5.1987, Hamburg). Further information: Prof. Dr. W. E. Proebster, IBM P.B. 8000880, D-7000 Stuttgart 80, FRG. Comp Euro will include a contest for the best student paper; the authors of the five most meritorious papers will be invited to present them at an appropriate session of the conference – their expenses will be paid.

The Executive Committee met for two days in Bochum to discuss organisational matters. Professor Fettweis acted as host to a well attended and informative members' meeting, which concluded the first evening. The next regular Committee and members' meeting is planned for February 1987 in Berlin.

## EGYPT

By Dipl-Ing Abdel-latif I. Ahmed – Vice-President, Egypt Section

A petition for the *Establishment of a Computer Chapter* in Egypt was approved by the President of the IEEE Computer Society and by the Region 8 Director. The organiser of the chapter, Dipl-Ing Abdel-latif Ahmed, was elected chairman, and Dr. Adel Ghanam will be the Secretary-Treasurer.

### Technical Meetings in 1985/6

Local Area Networks – Dr. Adel Ghanam: 20 January (ICL)

Unix Operating System – Eng. Mokbel Fayad: 31 March (NCR)

Management of Software Systems – Eng. S. Nasr: 3 November (Canada)

Relational Data-base Systems – Eng. Kamil Wasf: 1 December (IBM)

Remote Sensing Applications in Egypt – Dr. Samir Shaheen: 5 January (Cairo Univ.)

Distributed Software Systems – Dr. Osama Desouki: 9 February (Cairo Univ.)

*An IEEE Sub-section in Sudan.* A letter was circulated to all IEEE members in Sudan requesting their support for the establishment of a Sub-section. Replies were received from two members, one of whom visited Dr. Salah Amer in Cairo and promised to take the necessary steps. Unfortunately we are unable to make further progress on account of the political situation in Sudan; we hope that the situation will become clearer in the near future.

*Increasing IEEE membership in Egypt.* In 1986 a limitation of ten years after graduation was introduced for obtaining a 50 per cent reduction in IEEE membership dues and subscriptions (for incomes less than \$5000 per year). Added to this the US dollar has increased by 60 per cent with respect to the Egyptian pound; the effect is to increase dues by about 120 per cent with respect to 1985. I have written to Mr. Herz in connection with these problems but have so far received no answer. I hope the Region 8 Committee will support my request for the removal of the ten years limit, especially for the developing countries.

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## POLAND

Meetings which have been held this year include:

Fourth Symposium on "Optical Fibres and their Application". From 11th-13th February 86.

"Optical Fibres for Sensing Applications". Prof. W. A. Gambling (England).

"Mathematical Model of a Helicopter". 8th April 86 Dr. Eng. A. Adamowicz.

"Synthesis Methods for the Control of a Helicopter". 15th April 86. Dr. Eng. A. Adamowicz.

### Future Meetings:

"Characteristics of Testing Methods for System Stability with Delay". 7th May 86. Dr. Eng. M. Suslowicz, Technical University of Bialystok.

"Robotics and Automation". 8th May 86. Prof. Dr. J. Jaron, Technical University of Wroclaw.

"Application of Television Signals to Time and Frequency Measurements". 5th June 86. Prof. A. Wojnar, Military Technical Academy.

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# MONTECH '86

## IEEE



# IEEE Week in MONTRÉAL

The International MONTECH '86 Conferences will take place in Montréal from September 29 to October 3, 1986. Sponsored by *The Institute of Electrical and Electronics Engineers Inc. (IEEE)*, the event will be held in the city's new Palais des Congrès.

Participants to any conference will be granted courtesy admission to the other five Montech '86 conferences and to the Exhibition. The Exhibition will highlight products and services related to the different themes of IEEE Week.

**THE TIME:** September 29 — October 3, 1986

**THE PLACE:** Montréal, Québec, Canada

**THE CONFERENCES:**

AC Power Systems  
Antennas and Communications  
HVDC Power Transmission  
PCB's and Replacement Fluids  
Electrothermal Processes  
Programmable Controllers

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# IEEE Conferences

## PAVIA – ITALY

*Electromagnetic Fields in Electrical Engineering.* This international symposium, organised in cooperation with the IEEE Sections from Poland and North Italy, will take place in Pavia from 23–25 September 1987; it will provide a forum for specialists engaged in theoretical and applied research in the following topics:

Electric and magnetic fields in electrical machines, transformers and other electromagnetic devices.

Methods of analysis and the synthesis of magnetic fields, both graphically and numerically.

Interactive coupling between several electromagnetic fields.

The symposium will take place in the University of Pavia, one of the oldest in Europe. Pavia is near Milan in northern Italy. English will be the official language of the symposium – correspondence, papers and debates.

### *Call for Papers*

Original and previously unpublished papers only are expected. They will be accepted on the basis of abstracts, which should not exceed 300 words. Abstracts and questionnaires should be submitted before 31st July 1986 to:

Scientific Secretariat ISEF '87,  
Institute of Electrical Machines and Transformers,  
Technical University of Lodz,  
ul. Stefanowskiego 18/22,  
90–924 Lodz, POLAND.

## MUNICH – FEDERAL REPUBLIC OF GERMANY

### **Computer Communication – ICCC '86**

This Conference will be held on 12–16 May 1986; it is organised by VDE (Association of German Electrical Engineers) in co-operation with the German Section of the IEEE and others. Copies of the programme and other information may be obtained from: Secretariat, German Section IEEE, Stresemannallee 15, D-6000 Frankfurt 70. Tel: +69 6308 221.

## BADEN BADEN – FEDERAL REPUBLIC OF GERMANY

### **Large Scale Integration**

The German Section of the IEEE, VDE/VDI Joint Committee of Microelectronics (FKME) and NTG (Communications Society of the VDE) are jointly organising this conference, which will take place from 16–18 March 1987. Further information may be obtained from the IEEE Secretariat; address given above.

## HAMBURG – FEDERAL REPUBLIC OF GERMANY

### **VLSI and Computers – Comp Euro '87**

#### **Final Call for Papers**

Are you concerned with the development, design, manufacture or marketing of VLSI, microelectronics or computers? If you are, you are probably qualified to write a paper for presentation at Comp Euro '87, which will be held in Hamburg from 11–15 May 1987. You will find all the information you need for submitting your paper in the Final Call for Papers enclosed with this letter.

This is the first conference at which engineers and scientists in the VLSI and microelectronics fields will be able to meet their counterparts having a professional interest in computers. It will enable both groups to discuss modern developments in their own speciality and provide perhaps an opportunity for co-operation. It is therefore a very special and important Conference at which to present a paper – do not miss this opportunity to publish and discuss your work!

## **Student Papers**

The organising committee of Comp Euro '87 is offering students an unprecedented opportunity for the presentation of a paper at a large international conference – Comp Euro '87. Travel and hotel expenses for the authors of the five most meritorious papers will be reimbursed.

Student members of the IEEE, or of the other organisations supporting Comp Euro '87, are invited to submit a paper on one of the topics listed in the Final Call for Papers. The papers will be judged by the Conference Selection Committee and the authors of the five selected will be invited to present their papers to the appropriate session of Comp Euro '87. The Authors' Schedule:

Notice of Intent – 1 July 1986.

300 word Summary – 15 August 1986.

Author Notification – 1 October 1986.

Camera-ready Copy – 1 February 1987.

If you require further information or copies of the Final Call for Papers, they are available from Professor Dr. W. E. Proebster, c/o IBM, P.B. 80 08 80, D-7000 Stuttgart 80, W-Germany. Professor Proebster can also provide Comp Euro '87 posters.

## ROME – ITALY

### **Mediterranean Electrotechnical Conference – Melecon '87 and 34th Congress on Electronics**

A joint conference organised by RIENA, the International Electronics Energy & Space Exposition, and the Middle and South Italy Section of the IEEE. It will be held in the Palazzo dei Congressi from 24–26 March 1987; the topics are:

Communication and Computer Networks

Technologies for Communication

Energy Systems and Networks

Communication Systems

There will be a student paper contest, numerous technical visits and the opportunity to view art and antiquities unsurpassed anywhere else in the world. A 300 word abstract should be submitted, before 15 June, to the address below, from which further information can be obtained.

Secretariat,  
c/o RIENA-00193 ROME,  
Via Crescenzo, 9  
ITALY

Telephone: +39 6 656 9343. Telex: +43 611407 RIENA I

## STOCKHOLM – SWEDEN

### **Electrotechnology – EUROCON '88**

#### **Preliminary Announcement**

*Area Communications is the Theme of EUROCON '88*

Digital Mobile Telephone Systems

ISDN, Local Area Networks

Advanced Radio Concepts

Digital Signal Processing

Standards

The Conference will be organised by the Swedish Society of Engineers (SER) and the IEEE Swedish Section; it will form a part of the celebrations for the SER centenary. Further information may be obtained from:

EUROCON '88  
c/o Stockholm Convention Bureau  
PO Box 1617, S-111  
86 Stockholm  
Sweden.



## Region 8 Fellows

### 1985 Elections

#### BENELUX

##### Hugo J. de Man.

Simulation, analysis and optimisation of devices, MOS circuits and sampled data systems.

##### A. Vander Vorst.

#### FINLAND

##### Martti E. Tiuri.

The theory and techniques of microwave radiometers and microwave applications in remote sensing and industrial instrumentation.

#### FRANCE

##### Alain Bensoussan.

Stochastic control theory and the control of distributed parameter systems.

##### Erol Gelenbe.

Leadership in the development of computer system performance evaluation.

##### Claude J. Gueguen.

Multivariate system theory and parametric systems modelling.

##### M. R. Wertheimer.

#### GERMANY (W)

##### Dietrich R. Lambrecht.

Turbine generator design and its electromechanical interaction with power networks.

##### Peter H. Lips.

High voltage dc power system technology.

##### Heinrich Meyer.

Theory of tracking loops and synchronisation.

#### UNITED KINGDOM & REPUBLIC OF IRELAND

##### Meir M. Lehman.

Leadership in computer design, programming process analysis, development and measurement, study of large software systems, software technology and computing science education.

#### NORTH ITALY

##### Georgij N. Aleksandrov.

Dielectric behaviour of air insulation, and the improvement of EHV and UHV overhead lines.

##### Maurizio Decina.

Digital Communications and voice/data packet switching.

#### SWITZERLAND

##### Murat Kunt.

Research and educational programmes for signal and image processing in Europe.

##### Erich M. Ruoss.

Research on transient phenomena and switching overvoltages in EHV and UHV transmission systems.

mission and Distribution Systems"; and on the other hand potentially theoretical: "Scattering and Diffraction in Antennae" or "Analysis and Modelling of High voltage DC Systems".

The Very Large Scale Integrated conference is coming under increasingly severe attack and in many fields there is now a preference for small specialised conferences, which attract the experts, and that the large meetings fail to do. Perhaps large meetings are at their best when discussing matters of common interest, in which politicians, religious leaders, the informed lay public and the press might be expected to be interested. One shudders at the thought of trying to present a scientific point of view when every word or gesture will be manipulated to support the prejudices of the ill-informed, the dictates of mass entertainment, or the beliefs of those who place their gods above the reach of logic.

This bold Canadian experiment seems to have much from which we might formulate an alternative approach to conferences. For those who are interested, information may be obtained from: Montech '86 IEEE, PO Box 37, Station "A", Montreal, Quebec, Canada.

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## INTERNATIONAL BROADCASTING CONVENTION

### IBC Award for 1986

The IBC Award was instituted in 1948 to mark the 10th International Broadcasting Convention. It takes the form of a cheque for £2,500 and a specially commissioned design in glass with a motif using the classic Greek Golden Section concept to symbolise the synthesis of Art and Technology in broadcasting.

Nominations for the Award are invited for outstanding work in any aspect of broadcasting and allied research, design, development, manufacture, operational practice and management. Enquiries to: IBC Award (1986), The Institution of Electrical Engineers, Savoy Place, London, WC2, England.

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## A Conference Innovation

### Montech '86 - IEEE Week in Montreal

This is a conference with a difference, in fact there are six independent conferences, all sharing a common administration, sharing a large commercial exhibition and sharing the facilities of the city of Montreal's new Convention Centre. It is not the intention that the separate subjects shall be complementary but delegates attending one are free to take part in any other and of course to visit the exhibition. The conference titles are:

AC Power Systems; Antennae and Communications; HVDC Power Transmission; Electrothermal Processes; Programmable Controllers; PCB's and Replacement Fluids.

As these subjects suggest, contributions will on the one hand be very practical: "Papers should be practical in nature in order to be readily usable by engineers, managers, physicians or any person dealing with PCB's", or "the Environmental effects of Trans-

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## LOCAL AREA NETWORKS

### Proceedings of IEEE-City University Workshop

A limited number of copies of the Proceedings of a One-day Workshop on Local Area Networks, held at the City University, London, on 10 September 1985, are available for \$15.00 each (including postage and packing within UK).

The Proceedings contain the full text of the papers presented - 94 pages, which include tutorial material and descriptions of recent developments and standards.

Orders should be addressed to:

Miss Eileen Baker  
Centre for Information Engineering,  
The City University,  
Northampton Square,  
London, EC1V 0BH, England



# ELECTRICAL & ELECTRONICS ENGINEERS CALENDAR of CONFERENCES and EXHIBITIONS in EUROPE, the MIDDLE EAST and AFRICA

No. 10

May 1986

## MAY 1986

**May 21-23. Teleport '86 - Second General Assembly and Congress of the World Teleport Association.** Amsterdam, The Netherlands  
Organiser: Telesport '86 Secretariat  
Contact: c/o Municipal Congress Bureau, Oudezijds Achterburgwal 199 1012 DK Amsterdam, The Netherlands

## JUNE 1986

**June 16-20. REL-CON Europe '86. European Reliability Conference.** Copenhagen, Denmark.  
Organiser: DIEU  
Sponsors: EUREL, DIF, I-S  
Contact: Danish Engineers' Post-Graduate Institute, The Technical Univ. of Denmark Bldg. 208, Box 326, DK-2800, Lyngby, Denmark  
Deadline: June 1, 1985 (Preliminary)

**June 24-27. Second International Conference on Power System Monitoring and Control.** Durham, UK  
Organiser: IEE Power Division  
Co-Sponsors: British Computer Society, IERE, IFAC  
Co-operating: IEEE UKRI Section, EUREL  
Contact: IEE Conference Department  
Deadline: January 27 1986

**June 25-27. Workshop on Industrial Applications of Gate Arrays and Cellular VLSI.** Eindhoven, The Netherlands  
Organiser: IEEE Industrial Electronics Society  
Contact: Dr. H. van Nielen, Philips, Gersweg 2, 6534 AE Nijmegen, The Netherlands.

## JULY 1986

**July 1-3. The Sixteenth International Symposium on Fault-Tolerant Computing.** Vienna, Austria.  
Organiser: Technische Universität Wien  
Sponsor: IEEE Computer Society  
Co-operating: OCG Austria, GI FRG, IFIP WG 10.4  
Contact: FTCS-16, Interconvention Hofburg, PO Box 80, A-1107 Vienna, Austria.  
Deadline: October 25 1985 (Abstract)

**July 7-8. Workshop on Microprocessor Control of Small Motors.** Padova, Italy  
Organiser: IEEE Industrial Electronics Society  
Contact: Dr. G. Buja, Istituto di Elettrotecnica e di Elettronica, Università di Padova, Via Gradenigo 6/a, 35131, Padova, Italy

**July 7-10. 2nd International Conference on Conduction and Breakdown in Solid Dielectrics.** Erlangen, FRG  
Organiser: IEEE EI  
Co-Sponsor: IEEE German Section  
Contact: Dr. P. Fischer, Siemens AG, Zentralbereich Forschung u. Technik/Polymerphysik, Postfach 3240, D-8520 Erlangen 2, FRG  
Deadline: November 1, 1985 (Abstract)

**July 7-11. 14th International Optical Computing Conference.** Jerusalem, Israel  
Organiser: IEEE Computer Society  
Contact: Prof. J. Shamir, Dept. of Electrical Eng. Technion, Haifa 32000, Israel

**July 7-11. BAIL IV - Fourth International Conference on Boundary and Interior Layers - Computational and Asymptotic Methods.** Novosibirsk, USSR  
Organiser: Siberian Branch of the USSR Academy of Sciences  
Contact: BAIL Sec., c/o Boole Press Ltd., PO Box 5, 51 Sandycove Road, Dun Laoghaire, Co. Dublin, Eire.

**July 8-11. 2nd International Conference on Power System Monitoring and Control.** University of Durham, UK  
Organiser: IEE  
Co-Sponsor: EUREL  
Co-operating: BCS, IEEE UKRI Section, IERE, IFAC  
Contact: IEE Conference Department

**July 8-11. International Conference on Evolution and Modern Aspects of Induction Machines.** Torino, Italy  
Organiser: Politecnico di Torino, Dept. di Elettrotecnica  
Co-Sponsors: AEI, CNR  
Co-operating: IEE, IEEE, JIEEE, IEN  
Contact: Prof. Paolo Ferraris, Dept. di Elettrotecnica, Politecnico di Torino, C.so Duca degli Abruzzi, 24, 10129 Torino, Italy  
Deadline: May 15 (Full typescript)

**July 14-15. International Workshop on Microprocessor Control of Small Motors.** Padova, Italy  
Organiser: University of Padova  
Sponsors: IEEE, IE, AEI  
Contact: Dr. G. Buja, Inst. of Electrical and Electronic Engineering, University of Padova, Via Gradenigo 6a, 35131 Padova, Italy

## AUGUST 1986

**August 12-14. International Carnahan Conference on Security Technology.** Gothenburg, Sweden  
Organiser: Chalmers Tekniska Hogskola  
Sponsor: University of Kentucky, USA  
Contact: Carl Axel Wannerskog, Chalmers Tekniska Hogskola, S-41296, Gothenburg, Sweden

**August 19-21. Joint Symposium on Antennas and Propagation and Microwave Theory and Techniques.** Pretoria, South Africa  
Organiser: South African Institute of Electrical Engineers  
Contact: Brian Austin, University of Witwatersrand, Department of Electrical Engineering, 1 Jan Smuts Avenue, Johannesburg 2001, South Africa

## SEPTEMBER 1986

**September 1-5. 10th World Computer Congress.** Dublin, Eire  
Organiser: Irish Computer Society  
Sponsor: IFIP  
Contact: IFIP Congress '86, 44 Northumberland Road, Dublin 4, Eire  
Deadline: November 1 1985

**September 1-5. Vacation School on "Plasma and plasma related etching of Semiconductor materials".** Liverpool, UK  
Organiser: IEE  
Contact: IEE Conference Department

**September 2-5. EUSIPCO - 86, Third European Signal Processing Conference.** The Hague, The Netherlands  
Organiser: EURASIP  
Contact: EUSIPCO-86 Conf. Sec., DELFT Univ. of Technology Dept. Applied Physics Rm. 236, POB 5046, NL-2600 GA Delft, The Netherlands

**September 8-11. IEEE - International Geoscience and Remote Sensing Symposium - IGARSS '86.** University of Zurich, Switzerland  
Organiser: Dept. of Geography, Univ. of Zurich  
Sponsor: IEEE GRS  
Contact: Prof. Dr. H. Haefner, Dept. of Geography, Zurich University-Irchel Winterthurerstrasse 190, CH-8057, Zurich, Switzerland

**September 8-11. 16th European Microwave Conference.** Dublin, Eire  
Organiser: European Microwave Conference  
Co-Sponsors: RAI, IEI  
Co-operating: IEE, EUREL, IMPI, URSI, IEEE Reg. 8, AP, ED, MAG, MTT  
Contact: Prof. J. O. Scanlan, University College, Upper Merrion Street, Dublin 2, Eire

**September 8-12. Workshop on "CAD for Digital Signal Processing".** Heverlee, Belgium  
Organiser: IMEC  
Contact: Dr. L. Claesen, IMEC vzw, Kapeldreef 75, B-3030 Heverlee, Belgium

**September 15-19. ICCS 86 - 8th International Conference on Computer Communication.** Munchen, FRG  
Organiser: VDE/NTG  
Co-operating: IEEE Region 8  
Contact: VDE-Zentralstelle Tagungen, Streem-annallee 15, D-8000 Frankfurt am Main 70, FRG

**September 16-18. ESSCIRC '86 - Twelfth European Solid-state Conference.** Delft, The Netherlands  
Organiser: ESSCIRC  
Co-operating: IEEE Region 8  
Contact: Prof. J. Davidse, Delft University of Technology, PO Box 5031, 2600 GA Delft, The Netherlands

**September 19-23. International Broadcasting Convention.** Brighton, England  
Organiser: IBC  
Co-operating: IEEE UKRI Sec., BKSTS, EEA, IEE, IERE, RTS  
Contact: IBC Secretariat, IEE Conf. Dept.

**September 22-25. 12th International Symposium on Discharges and Electrical Insulation in Vacuum.** Shresh, Israel  
Organiser: Tel-Aviv University  
Sponsor: IEEE Electrical Insulation Soc.

## EUREL Acronyms:

**A** - Austria  
**OVE** - Österreichischer Verband für Elektrotechnik  
**B** - Belgium  
**SRBE** - Société Royale Belge des Electriciens  
**AIM** - Association des Ingenieurs Electriciens sortis de l'Institut Electrotechnique Montefiore  
**CH** - Switzerland  
**SEV/ASE** - Schweizerischer Elektrotechnischer Verein/Association Suisse des Electriciens  
**D** - Germany  
**VDE** - Verband Deutscher Elektrotechniker  
**DK** - Denmark  
**IS** - Ingenior-Sammenslutningen I-V D

**DIF'sE-Gr** - Elektroingeniorgruppen (in Dansk Ingeniorforening)  
**E** - Spain  
**AEE** - Asociación Electrotécnica Española  
**F** - France  
**SEE** - Société des Electriciens, des Electroniciens et des Radioelectriciens  
**GB** - Gt. Britain  
**IEE** - Institution of Electrical Engineers  
**IERE** - Institution of Electronic and Radio Engineers  
**I** - Italy  
**AEI** - Associazione Elettrotecnica ed Elettronica Italiana  
**N** - Norway

**NEF** - Norsk Elektroteknisk Forening  
**NL** - Netherlands  
**Kivl** - Koninklijk Instituut van Ingenieurs, Afd. Elektrotechniek  
**NERG** - Nederlands Elektronica-en Radiogenootschap  
**P** - Portugal  
- - Conselho Directivo Nacional/Ordem dos Engenheiros - Department Electrical Engineers  
**S** - Sweden  
**SER** - Svenska Elölkroingenjörers Riksförening  
**SF** - Finland  
- - Aatteellisten sähköinsinöörjärjestöjen neuvottelukunta

Issued by the INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS Region 8 and printed in the quarterly Newsletter 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 given above.



Co-Sponsor: Israel Vacuum Society  
Contact: Dr. R. L. Boxman, c/o XII ISDEIV, POB 4413 Tel-Aviv 61044, Israel  
Deadline: February 1 1986 (Abstracts)

**September 22-26. IFAC/IMACS International Symposium on Simulation of Control Systems.** Vienna, Austria

Organiser: Austrian Center for Productivity and Efficiency  
Sponsors: IFAC, IFAC/THEORY  
Co-Sponsors: AFCOM, COMPUT, EDCOM, IMACS

Contact: OPWZ, Dozent Dr. P. Kopacek, Rockgasse 6, A-1014 Wien, Austria  
Deadline: December 1 1985 (Abstracts)

**September 23-24. European Conference on Customer/Vendor Interfaces in Microelectronics.** Kaiserlautern, FRG

Organisers: Kaiserlautern University, GMD  
Sponsor: The Commission of the European Communities

Contact: Universitaet Kaiserlautern, Mrs. Leni Mueller, Bau 12/4.O.G. Postfach 1240, D-5205 St. Augustin 1, FRG  
Deadline: February 10 1986 (Abstracts)

**September 23-25. Microcircuit Engineering 86, Conference on microstructure fabrication and microlithography.** Interlaken, Switzerland

Organiser: Swiss Federal Inst. of Technology  
Contact: Prof. H. Melchior, Swiss Federal Institute of Technology, ETH-Honggerberg HPT, CH-8093 Zurich, Switzerland

**September 28-October 2. Fifth International Conference on Electromagnetic Compatibility.** University of York, England

Organiser: IEE  
Co-Sponsors: IP, IQA, RASIME, RSGB, HPA  
Co-operating: IEEE UKRI Section  
Contact: IEE Conference Department

**September 29-30. Microelectronics for Information Technology - Switching, Processing, Transmission.** Berlin, FRG

Organisers: VDE/NIG  
Co-Sponsors: NTG, VDE/VDI  
Co-operating: IEEE German Section  
Contact: Prof. K. Goser, Universitat Dortmund, Postfach 500500, D-4600 Dortmund 50, FRG  
Deadline: June 23 1986 (Final version)

**OCTOBER 1986**

**October 28-29. Second International Conference on Secure Communication Systems.** London, UK

Organiser: IEE  
Contact: IEEE Conference Department  
Deadline: May 5 1986 (Final papers)

**NOVEMBER 1986**

**November 4-6. JINA '86 - International Symposium on Antennas.** Nice, France

Organiser: CNET-PAB  
Sponsors: SEE, CNFRS  
Co-operating: IEEE French Section  
Contact: Secretariat JINA '86, CNET-PAB Centre de la Turbie 06320 CAP D'AIL, France (M. Guiraud/Mme. Cerboni)  
Deadline: March 15 1986 (Summaries)

**November 27-29. LCA '86 - IFAC Symposium on Components, Instruments and Techniques for Low Cost Automation and Applications.** Valencia, Spain

Organisers: CEA-IFAC, Politechnic Univ. of Valencia  
Sponsor: IFAC  
Contact: LCA '86, Dept. de I.S.y Automatica, Universidad Politecnica de Valencia, PO Box 22012, 46071 Valencia, Spain  
Deadline: August 15 1986 (Final version)

**DECEMBER 1986**

**December 3-5. IFAC/IFIP/IMACS International Symposium on Theory of Robots.** Vienna, Austria

Organiser: Austrian Center for Productivity and Efficiency  
Sponsors: IFAC, IFAC/THEORY

Co-Sponsors: APCOM, MOC, MAN, TECH., IFIP, IMACS  
Contact: OPWZ, Ing. W. Karner, Rockgasse 6, 1014, Vienna, Austria  
Deadline: February 1 1986 (Abstracts)

**December 3-5. International Conference on Industrial Power Engineering.** London, UK

Organiser: IEE  
Sponsors: IMC, IME  
Contact: IEE Conference Department  
Deadline: June 6 (Full typescript)

**December 10-12. 1986 IEEE Conference on Decision and Control (CDC).** Athens, Greece

Organiser: IEEE Control Systems Society  
Co-operating: IEEE Greece Section  
Contact: Spyros G. Tzafestas, Control Systems Laboratory, School of Engineering, University of Patras, Patras, Greece 26500

**FEBRUARY 1987**

**February 24-26. International Conference Revitalising Transmission and Distribution Systems.** London, UK

Organiser: IEE  
Contact: IEE Conference Department  
Deadline: October 1 1986 (Full typescript)

**MARCH 1987**

**March 3-5. 7th International Zurich Symposium and Technical Exhibition on Electromagnetic Compatibility.** Zurich, Switzerland

Organiser: EMC Zurich  
Sponsor: Inst. of Communications ETH  
Co-Sponsor: Swiss PTT  
Co-operating: IEEE Switzerland Section, URSI  
Contact: Prof. Dr. T. Dvorak, EMC 1987, ETH-Zentrum-IKT CH-8092, Zurich, Switzerland

**March 21-24. First Symposium on Electrical Power Systems in Fast Developing Countries.** Riyadh, Saudi Arabia

Organiser: King Saud University  
Co-operating: IEEE Region 8  
Contact: Dr. Abdulaziz A. El-Sulaiman, E.E. Dept., King Saud University, PO Box 800, Riyadh 11421, Saudi Arabia  
Deadline: May 15 1986

**March 24-26. MELECON '87 - Mediterranean Electrotechnical Conference and 34th Congress on Electronics.** Rome, Italy

Organiser: RIENA  
Sponsors: IEEE Region 8, IEEE Middle and South Italy, RIENA  
Contact: MELECON '87 & 34 Congress on Electronics Secretariat, c/o RIENA, Via Grescenzio 9, 00193 Rome, Italy  
Deadline: June 15 1986 (Abstract)

**APRIL 1987**

**April 7-9. Energy Options - Conference on the role of alternatives in the World Energy Scene.** University of Reading, UK

Organiser: IEE  
Co-Sponsors: EUREL, ACE, BREF, Inst. of Energy, Inst. of Math.  
Co-operating: IEEE UKRI Section, IP, ICE, IME  
Contact: IEE Conference Department

**April 14-16. Fifth International Conference on Metering Apparatus and Tariffs for Electricity Supply.** Edinburgh, UK

Organiser: IEE  
Contact: IEE Conference Department  
Deadline: September 18 1986 (Full text)

**MAY 1987**

**May 11-15. CompEURO '87 - International Conference on "VLSI in Computing Systems".** Hamburg, FRG

Organisers: IEEE Region 8, IEEE Computer Society  
Sponsors: GI, VDE  
Contact: Prof. Walter E. Proebster, IBM Deutschland GmbH, Dept. 3280, 7030-15, Schoenaicher Strasse 220, D-7030, Boeblingen, FRG  
Deadline: July 1 (Letter of intent)

**OCTOBER 1987**

**October 22-27. FORUM 87 - 5th World Telecommunication Forum Technical Symposium on "Telecommunication Services for a World of Nations".** Geneva, Switzerland

Organiser: ITU  
Contact: Forum 87 Secretariat, International Telecommunications Union, CH-1211 Geneva 20, Switzerland  
Deadline: September 1 1986 (Summaries)

**JUNE 1988**

**June 7-9. 1988 IEEE International Symposium on Circuits and Systems.** Helsinki University, Espoo, Finland

Organiser: IEEE CAS  
Sponsor: IEEE Finland Section  
Contact: Dr. Jorma Skytta, Helsinki University of Technology, Dept. of Technical Physics, SF-02150 Espoo, Finland

**June 13-17. EUROCON '88 - Eighth European Conference on Electrotechnics.** Stockholm, Sweden

Organisers: SER, IEEE Sweden Section  
Sponsors: IEEE Region 8, EUREL  
Contact: SER, Malmkillnadsgatan 48 A, Box 7087, 10387 Stockholm, Sweden

**IEEE Society Acronyms:**

ASSP - Acoustics, Speech, and Signal Processing  
AES - Aerospace and Electronic Systems  
AP - Antennas and Propagation  
BT - Broadcast Technology  
CAS - Circuits and Systems  
CE - Consumer Electronics  
COM - Communications  
CHMT - Components, Hybrids, and Manufacturing Technology  
C - Computer  
CS - Control Systems  
E - Education

EI - Electrical Insulation  
EMC - Electromagnetic Compatibility  
ED - Electronic Devices  
EM - Engineering Management  
EMB - Engineering in Medicine and Biology  
GRS - Geoscience and Remote Sensing  
IE - Industrial Electronics  
IA - Industry Applications  
IT - Information Theory  
IM - Instrumentation and Measurement  
MAG - Magnetics  
MTT - Microwave Theory and Techniques  
NPS - Nuclear and Plasma Sciences

OE - Oceanic Engineering  
PE - Power Engineering  
PC - Professional Communications  
PEC - Power Electronics Council  
QEA - Quantum Electronics and Applications  
R - Reliability  
RA - Robotics and Automation  
SIT - Social Implications of Technology  
SSC - Solid State Circuits  
SU - Sonics and Ultrasonics  
SMC - Systems, Man, and Cybernetics  
VT - Vehicular Technology

**Mailing Addresses**

IEEE Region 8 Conference Coordinator - Dr. J. Baal-Schem, P.O.B. 1205, Holon 58112, Israel.  
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IEEE Conference Activities, 345 East 47th Street, New York, NY 10017, USA.  
IERE Conference Secretariat, 99 Gower Street, London WC1E 6AZ. Telephone National 01-388 3071. International +44 1 388 3071. Telegrams: Instrad London England WC1E 6AZ.



# From the Conference Coordinator

## Region 8

By Dr. J. Baal-Schem

Conference activities in Region 8 have grown from one every three years to two in the same year – 1987.

Eurocon '86, held in Paris at the Palais des Congres on 21–23 April 1986, was a great success, with more than 600 participants from countries as far apart as Chile and the People's Republic of China; there were delegates from most countries in Europe, the Middle East and Africa. Eleven tutorials and more than 100 papers stressed recent developments in Hardware, Software, Expert Systems, Advanced Communication Technologies and Power Systems. About 100 students participated and a Student Paper Contest was held.

Eurocon '86 was one of a series of European Conferences on Electrotechnology sponsored jointly by IEEE Region 8 and EUREL. A meeting of members of the IEEE Executive Committee, the Region 8 Committee and representatives of EUREL, decided to nominate a standing committee for the Eurocon series of conferences and to involve the local section and the national society in the financial organisation of those events.

The next Eurocon will be in Stockholm on 13–17 June 1988. It will be organised by SER and IEEE Sweden Section and will celebrate the 100th anniversary of SER and the 25th anniversary of Region 8. At its first meeting, to be held in June this year, the steering committee will discuss the financial (sharing of surplus or loss) and technical arrangements of the conference; a formal agreement

will be drafted. The general theme of the conference will be "Area Communications".

Apart from the Eurocon conferences, Region 8 organises Mediterranean Conferences on Electrotechnology – Melecon. Melecon '85 in Madrid was technically and financially successful, with more than 350 participants. Melecon '87 will be held in Rome on 24–27 March 1987, with the general theme of "Developments in Telecommunication and Energy Systems". The agreement for this conference has already been signed by IEEE Region 8, IEEE Middle and South Italy Section, and RIENA, the organisers of the "Annual International Electronics, Energy and Space Exposition" in Italy. Melecon '87 will be a joint conference with the 34th Italian Congress on Electronics. A small committee of experts is organising the preparations and a detailed call for papers has already been distributed.

In 1987 we shall have the first Comp Euro, sponsored jointly by Region 8 and the Computer Society of the IEEE. Comp Euro will be held in Hamburg from 11–15 May 1987 on the main theme of "VLSI and Computers" and will feature a special course on designing systems with VLSI.

The venue for Comp Euro '88 has been discussed and the theme will be finalised at a forthcoming meeting of the Comp Euro standing Committee. A Committee nominated by the Regional Committee is dealing with the next Africon, which was originally to be held at the end of 1986, but was postponed due to an ITU meeting in Nairobi arranged for September of the same year.

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## Region 8 Computer Society

**Chapters.** We have Computer Society chapters in France, Switzerland, U.K., Egypt, Israel and Spain. A German Chapter is being formed and another in Belgium. Are other Chapters being formed? Please let me know.

**Distinguished Visitors Programmer.** This is a panel of noted speakers who have agreed to speak at local Chapter meetings. Unfortunately it is a US based activity and the high cost of travel would be prohibitive. However, this gives us an opportunity. We in Region 8 could organise a Distinguished Visitors Programme.

We need: Volunteer Speakers, volunteer moderators and distinguished visitor programme organisers. This need not take too much time. Please write to the Computer Society Brussels office, c/o Ms. Nell Nachtergal, IEEE Computer Society, 2 Avenue de la Tanche, B-1160 Brussels, Belgium.

**Chapter Tutorials.** Murali Veranasi at the University of South Florida has organised low cost tutorials modelled on the full scale week-long programmes about which we read in our journals. Again, in Region 8 there are difficulties, but if you have some ideas on how to meet the costs, full details are available from Dr. Veranasi.

**European Operations.** I have formed a committee to advise on the operation of the Brussels office. We shall meet on 12th May. Our purpose is to guide the operation of the office so that we obtain the best co-ordination and services possible.

In keeping with the voluntary traditions of the IEEE Computer Society, I am looking for volunteers to contribute to the many tasks which are required – newsletter columns, conference diary, maintenance of information database. I hope in this way to build a communication channel which will benefit all member and student activities.