

# IEEE Region Eight NEWS



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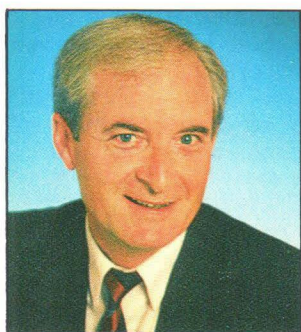
## Editor

Dr. G. H. Byford,  
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## FROM THE REGIONAL TREASURER

Dr. Rolf Remshardt



financial control of your Region. This article should give you an idea of the income which Region 8 receives from IEEE central funds and the way in which we distribute it to our Regional activities

### INCOME

As with other regions, Region 8 receives an annual "rebate" payment from the IEEE; this is a fixed sum and is independent of the number of members. Our second source of income is the Regional Assessment, an additional fee which is paid directly by the regional member, its value differs from region to region and is set up according to their specific requirements; it is now \$7 per member per year for Region 8, i.e. every higher grade member in the Region pays \$59 (\$52 IEEE fee plus \$7 Regional Assessment). Since the formation of the Region, its total annual income has grown to a little over \$100,000. This large amount of money is required to finance our activities within the Region. Unfortunately it now has to be increased still further, not only because of a growing membership but also because of the high dollar devaluation of recent years.

### EXPENSES

The piechart illustrates the way in which our income is distributed among the various regional services. The major part – and this might surprise you – is regional travelling; it is the cost of travel and accommodation for two annual Regional Committee meetings. Due to the unique geographical situation of our region, which is spread over three continents from Norway to South Africa and from UKRI to Israel, our travel expenses are unavoidably higher than those of any other region. We once tried to save money by having only one meeting a year but learned quickly that it is an absolute necessity to bring together the Officers of the Region and the representatives of our more than 25 countries, at least twice a year, in order to keep the region going.

Another significant cost factor is our Region 8 News (formerly Newsletter). Over the years it has become very popular among our members because it is the only means of communication between the Region 8 Committee and the Institute members, and it keeps you in touch with what is going on in your Region. Although our

editor is very successful in selling advertisements, he is not able to finance "The News" solely from advertising revenue – the mailing costs alone for more than 18,000 members in our large Region are very high. We therefore have to subsidise The News; you as the reader can judge for yourself whether or not it is worth the money.

As in any other organisation, we have the expenses of administration too. They cover finance for secretarial and office costs for our officers (phone, typing, telex, mailing), bank charges, hire of meeting rooms, printing and other services.

A very important item concerns the funding of student activities. We support student branches, organise student paper contests and finance selected student visits to IEEE sponsored conferences. From time to time you will find more information on these activities in announcements from our Student Activities Chairman or directly from Student Counsellors.

Our Conference Co-ordinator has to plan, prepare and co-ordinate IEEE conferences, financially sponsored and organised or co-organised by the Region (e.g. Melecon, Eurocon, CompEuro, Africon). He is a member of several Conference Committees and has to communicate and travel a great deal. His budget for those activities is shown in the piechart.

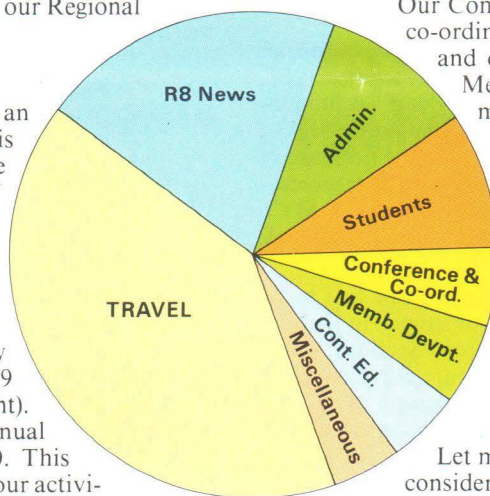
Other budget items are for activities to increase the number of Region 8 members (Membership Development) and Continuing Education. The remaining expenses, for Long Range Planning, Awards and Fellows and the Sections' Congress, are summarised in the chart.

### FINANCIAL SITUATION

Let me emphasise a point which at the moment is of considerable importance. In common with other regions we receive our IEEE money in US dollars, independently of inflation and fluctuating exchange rates. This leads to a unique situation: the actual purchasing power of the dollars available for IEEE services is different in each country of our Region. In recent years the US dollar has devalued by more than 35% against most European currencies, so that its real value in Region 8 has continually decreased, whereas our expenses continually increase due to the growth in Regional activities and normal inflation.

As a consequence we have either to reduce our services to the Region or try to increase our income. At its last meeting the Region 8 Committee decided on the latter course and increased the Regional Assessment from \$7 to \$11. This has finally been agreed by the IEEE Board of Directors and will now guarantee the continuation and growth of our service throughout the Region. The effect of this increase will be that in 1988, higher grade members in Region 8 will pay \$63 instead of \$59; a moderate increase of 7%. For most European countries the annual fee will still be much lower in local currency than it was two years ago (I admit, however, that this is not true for all countries within the Region).

continued on page 2.





## CONFERENCE RESERVE ACCOUNT

This is a separate Region 8 account; it serves strictly conference related items and is therefore called "Conference Reserve Account". Its origin goes back to the very successful Eurocon in 1980. The significant profit from that conference constituted the base capital for the account; since then its money has been used to pre-finance Region 8 sponsored conferences, i.e. advances are given to the organising committees on the understanding that they will be repaid after the event. The Region 8 share of profit and loss from those conferences will be returned to, or paid by, this account. The Conference Reserve Account has developed into a regional source of funds, which is able to support future conferences.

## SUMMARY

During the regular Regional Committee Meetings, I present the financial position and the 'actual vs planned' expenditure for all these regional activities. Based on the current situation, I draw up a balanced budget proposal for the forthcoming year; it has to be discussed and approved by the Committee. This is our way of obtaining the best value from the members' fees and of guaranteeing the safe and secure financial position of the Region.

I hope that I have given you a brief insight into the financial control of our Region and a better understanding of the reasons for the forthcoming increase in the Regional Assessment.

## CONTINUING EDUCATION

By Professor A. Vander Vorst

MTT Society Chapter. On the occasion of the 1987 European Microwave Conference, held in Rome on 7-11 September 1987, the Chapter Chairmen of the Microwave Theory and Techniques Society were invited to meet. The meeting was chaired by Mr. R. Sparks, International Liaison officer for MTT-S, in the presence of Prof. A. Vander Vorst, Continuing Education Region 8, representing the Region 8 Director. Seven of the nine Region 8 MTT Chapters were represented: Benelux, Germany, Israel, Middle & South Italy, Spain, Sweden and Switzerland.

This was the second meeting of MTT chairmen, the first being held during the 1986 European Microwave Conference in Dublin. It was an opportunity to inform members from Sections where there is no MTT Chapter, about the procedure for forming a Chapter; some administrative and financial aspects were also pointed out. Mr. Sparks recalled for instance that an amount of \$350 US can be made available to MTT Chapters for special activities, and that \$1000 US was available to Chapter Chairman to help them in attending the MTT Symposium. He also recalled that anyone can apply for financial support at the time of submission of his paper.

Some arrangements were made during the meeting by Prof. R. Jansen, 1987-88 Distinguished Lecturer, to present his lecture at various places. The meeting was useful in that it provided an opportunity to exchange plans about technical activities and continuing education.

It would be useful to extend such meetings to other Technical Societies of the IEEE; there are many conferences organised in Region 8 which would be an appropriate occasion to bring together Chapter Chairmen and the International Liaison Officer. If any reader wishes to promote such an initiative, the writer is quite willing to offer help or advice.

*Continuing Education Representative:*

Prof. A. Vander Vorst, University Catholique de Louvain, Batiment Maxwell, B-1348 Louvain-la-Neuve, Belgium. Tel: +32.10.4323.05. Telex: +59315 Telhy B.

## COMPEURO '87 AND BEYOND

By Professor W. Proebster

Yet another conference! It is really necessary? Many colleagues were asking the question when for the first time they heard about CompEuro; the answer was simple. Despite many attempts, there was no established annual international computer conference in Europe. In many instances experts had to go overseas to present their work or to obtain the latest information on computer developments; and overseas specialists found it difficult to meet their European colleagues at a well recognised venue in Europe.

The IEEE Computer Society and Region 8, with national and international societies as sponsoring or co-operating partners, have established the CompEuro series of conferences with the intention of fostering national and international co-operation. Computer architecture, up-to-date technology, systems and applications, tend to form islands of technical excellence; it is the aim of CompEuro to build bridges between those islands and thereby create an integrated system for the benefit of all.

CompEuro 87, the first of this new series, achieved this goal successfully, as may be seen from the response of the many participants. A challenging theme was chosen: VLSI and computers, focusing on the mutual interaction between the advances of modern semiconductor technologies, computer architecture and the systems of which they are a part. The specific questions addressed were: how to ensure that better components will lead to improved computers and how modern computer systems are essential for the development and production of VLSI devices superior in function and quality.

The response of the technical community to CompEuro concept was quite definitely positive; some 500 papers were submitted, 300 of which were accepted and presented by authors from more than 30 countries. Over 600 delegates attended, some from as far away as China, Africa and Australia.

CompEuro extended over five days from 11-15th May. The first day was devoted to tutorial lectures in four parallel tracks: VLSI and computer architectures, computer aided design, personal computers, and computer systems. Twenty computer experts from universities and industry provided introductions and overviews to these topics; their presentations being augmented by printed lecture notes. Monday evening saw, after a press conference, the formal opening of the technical exhibition which supplemented the presentation programmes. More than twenty exhibitors displayed products related to the Conference theme: VLSI components, computer equipment and systems. The IEEE President Henry Bachman attended the opening events.

On Wednesday six high-ranking industry leaders in the computer field presented their views on the conference topic from several international points of view: McLauchlan (UK) on European co-operation, Mueller (FRG) on Megabit Memories, Lorena (Netherlands) on VLSI components, Poschenrieder (F.R.G.) on the Implementation of OSI interfaces, St. Chen (U.S.A.) on the Status and Trends of Superconductors, and Uenohara (Japan) on the Fifth Computer generation.

The success of CompEuro '87 convinced the sponsoring Societies that they should continue the CompEuro series:

CompEuro '88: Brussels, 11-14 April - System Design: Concepts methods and tools.

CompEuro '89: Hamburg, 8-12 May - VLSI and Computer Peripherals.

CompEuro '90: Tel-Aviv, Computer Systems and Software Engineering.





EUREL  
SER

EUROCON

88

STOCKHOLM

# Second Call for Papers

## 8th European Conference on Electrotechnics

June 13 – 17, 1988

### AREA COMMUNICATIONS

Examples of topics of special interest to this conference are:

- **Digital Mobile Communication Systems**
  - Mobile Telephone Systems
  - Mobile Data Systems
  - Cellular Communications
  - Frequency Planning
  - Radio Channel Considerations
  - Equipment Design and VLSI
  - Advanced Radio Concepts
- **Digital Signal Processing**
  - Speech Coding
  - Modulation and Filtering
  - Equalization and Channel Adaption
  - Algorithms and Processors
- **Communication Networks**
  - Local Area Networks, LAN
  - Integrated Services Digital Networks, ISDN
  - Satellite Communications
  - Network Design Protocols and Implementation
  - Networks Management
  - Traffic Aspects
  - User Considerations
- **Standardization**
  - Communication Standardization in Europe and World-Wide
  - Standards for the Pan European Mobile Communication System, GSM
  - Impact of Standards

A 500 word summary in English of your contribution should be submitted as soon as possible and no later than Dec. 15, 1987 to

Eurocon 88,  
c/o Stockholm Convention Bureau  
P.O. Box 6911, S-102 39 Stockholm, Sweden

Authors will be notified of acceptance by January 31, 1988.

The complete manuscript must be available by March 31, 1988 and will be published in the conference proceedings.

#### SPONSORED BY

Convention of National Societies of Electrical Engineers of Western  
Europe (EUREL) and  
Institute of Electrical and Electronic Engineers (IEEE), Region 8

#### Organized by

Swedish Society of Electrical Engineers (SER) and IEEE Sweden Section

# NEWS FROM THE SECTIONS

## AUSTRIA

**By Professor Dr. E. Bonek**

As a new service to the members in the Vienna area, a Section library will be installed in January 1988. Every IEEE periodical will be displayed in a reading room, located at OVE, Eschenbachgasse 11, 1010 Wien; it will be open from Monday to Friday 0900–1700 hrs. All IEEE members are invited to take advantage of this new facility (Allow some weeks for delivery of journals before rushing to Eschenbachgasse on 1st January)

*Section Chairman:*

*Prof. Dr. E. Bonek, Institute für Nachrichtentechnik und Hochfrequenztechnik, Gusshausstrasse 25, A-1040 Wien, AUSTRIA.*

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## FRANCE

**By Dr. J. Herry**

In June there was an election for the new Board of the France Section. The new Chairman is M. Jacques Cladé, Deputy Director of EDF International (The subsidiary of Electricité de France for International Engineering). A new Secretary, at the same time responsible for Student Activities, has been nominated; Miss Frederique Vallee, from SINTRA CMSA.

The activity of the France Section is closely linked to the activity of the National Society. IEEE France Section is more and more active in the organisation of common meetings, which we plan to make known by bilingual publicity in Region 8 News.

A new Chapter (EMC) is in course of creation; we are also considering the possibility of a "Remote Sensing" Chapter.

*Section Chairman:*

*Mr. J. Cladé, IEEE Section Française, c/o S.E.E., rue de la Procession, 75724 Paris, Cedex 12, France.*

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## GERMANY

**By Dr.-Ing. F. Coers**

On 24 September 1987 in Frankfurt the votes from the Election of the Executive Committee of the German Section for 1988/89 were counted. The percentage voting was 42.67 and the results were as follows:

Chairman: Dr.-Ing. Adolf Schwab, Karlsruhe

Vice-chairman: Dr. techn. Johannes Berghammer, Munich.

Treasurer: Professor Dr.-Ing. Werner Wiesbeck, Karlsruhe.

Dr.-Ing. Friedrich Coers remains Secretary of the Section. According to paragraph 5 of the Section Bylaws, the other officers – Membership Development Co-ordinator, Student Activities Co-ordinator, Conference Officer, Publications Officer, Awards and Nominations Officer and two Assessors – will be designated by the elected members of the Executive Committee. Further members of the Committee will be the Chapter Chairmen and the Past-chairman of the Section.

*Section Chairman:*

*Professor Rudolf Saal, Inst Netzwerktheorie, Tech. University, Arcisstrasse 21, D-8000 Munich, Federal Republic of Germany.*

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## GREECE

**By Professor B. C. Papadias**

Professor B. C. Papadias is the new Chairman of the Greek Section, following the recent elections in the Section. The other elected officers are: Associate Prof. G. Stassinopoulos as Deputy-Chairman and Asst. Prof. G. Contaxis as Secretary-Treasurer.

Fourteen Technical Seminars were included in the activities of the Section during the last year and also a successful Membership Development meeting of Region 8 took place in Athens.

The new Section Council emphasises the necessity for improving the services to the members of the Greek Section and in this connection special care will be given to Continuing Education. Efforts will be made to improve Membership Development and the reinforcement of links and communication among members, and between members and the Section. The new goals and objectives include the establishment of a Computer Chapter and two new Student Branches in the Section. A stronger participation of the Section in the activities of Region 8 is regarded as necessary.

*Section Chairman:*

*Prof. Basil Papadias, National Technical University of Athens, Department of Computer Science, Zografu, 15773 Athens, Greece.*

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## SOUTH AFRICA

**By Professor C. K. Pauw**

The section is now in its third year after having been revived towards the end of 1984. There are two active joint Chapters: AP-MTT and COM-ASSP; they are organising several technical meetings each year. The recently formed chapter of the Computer Society should have its first ADCOM installed by the time this notice is published and we hope to have their first meeting by the end of the year.

The COM-ASSP chapter is organising a Section conference for 24 June 1988 – it is called COMSIG '88, or the 1988 Southern Africa Conference on Communication and Signal Processing. It is organised in collaboration with the National Electrical Engineering Institute of the Council for Scientific and Industrial Research, the financial risk being carried by Technotron Industrial Developments (Pty) Ltd. as a service to the IEEE. Although the deadline for the submission of papers has already passed, those wishing to have proposals for papers considered, may still contact the Section Chairman.

*Section Chairman:*

*Professor C. E. Pauw, Department of Electronics Engineering, University of Pretoria, 0001 Pretoria, South Africa. Tel: (27) (12)420-2278; Telex: 32-2231 LGI SA.*

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## SPAIN

**By Professor Aníbal R. Figueiras Vidal**

The Section is directing its efforts towards increasing the number of Section and Chapter Meetings – in the past year 21 meetings have been held, a number which we hope to exceed in the future. To this end we are starting to use the Distinguished Speakers programmes of the IEEE Societies; in particular we shall have the pleasure of listening to Professor M. Schroeder, from Gottingen University, either late in March or early April in both Madrid and Barcelona, under the ASSP Society's Distinguished Speaker Programme.

Section officers are involved in preparing an annual award for



the authors of a selected paper published in any IEEE technical publication (Spectrum, Proceedings, Transactions, Journals etc.) as a way of creating an improved image for the Institute and contributing also to Membership Development. The announcement is being prepared and will be distributed throughout the country.

The Section is particularly sensitive to Continuing Education problems, and it will co-operate actively with the initiative of the Region 8 Committee in establishing a Continuing Education Council of Regional delegates. In particular, contacts will be made with industry and universities in order to obtain information about needs and possibilities. We invite interested organisations to write to the Section Chairman or to: Prof. Miguel Calvo, Departamento de Señales, Sistemas y Radiocomunicaciones, ETSI Telecomunicación-UPM, Ciudad Universitaria, 28040 Madrid.

Section Chairman:

Professor Anibal R. Figueiras Vidal, ETSI Telecomunicación-UPM, Ciudad Universitaria, 28040 Madrid, Spain.

## ISRAEL

By Dr. Jacob Baal-Schem

Quotations from the Press:

- \* *In the last 80 years there has been a dramatic reduction in deaths from infectious diseases and steady gains have been made in the control of illnesses such as cancer and heart disease.*
- \* *In 1900, the United States average life expectancy at birth was 47 years; by 1983 it had reached 74 years.*
- \* *The introduction of engineering, physics and mathematics into physiology spurred the development of artificial organs.*
- \* *With the introduction of modern technology, industrial productivity has grown at a rate of about 2.5% per year, or over 30% in 10 years. At the same time, hours of work are decreasing and vacations longer.*
- \* *Genetic engineering points towards high yielding crops, seeks to create new foods and holds out the possibility of ending widespread famine. It also holds out a promise of cures for ailments for which there is now no completely satisfactory treatment.*
- \* *Electrical communication allows a much greater degree of choice in geographical distribution of the population. Teleconferencing links individuals for meetings. Computers and telephone lines allow access to centrally stored records.*
- \* *Television brings education to millions of homes, where personal computers are used to teach children spelling and mathematics.*

The Development of Technology – especially electrical, electronic and computer engineering – has brought great positive changes into our life, health, work and education. Machines have become the partners of professionals, by gathering medical and chemical information, and in assisting the diagnosis of diseases and their cure. Knowledge systems provide expert advice in well-drilling decisions, and Robots accomplish many of the tedious activities of shop floor workers. It is safe to predict that advances in electrical, biological and other technologies will continue in the coming years to prolong our lifespan, assist in curing diseases and contribute to our wealth.

These achievements of technology, and others which will emerge during the next quarter of a century, will be highlighted in the International Workshop on "Technology, its Benefits to Humanity", to be held in Jerusalem on 14–16 March 1988 during the 25th Anniversary celebrations of the IEEE Region 8.

It is the drawbacks rather than the achievements of technology which are usually brought to the notice of the public; to redress the balance it is therefore important to make known the very considerable benefits which modern technology has provided for our

society. The Jerusalem Workshop, organised by the Israel Section of Region 8 in co-operation with ICTAF at Tel-Aviv University, will seek the participation of 15–20 experts and will also be open to observers. One of its objectives is to encourage additional entities of the IEEE to hold similar workshops and to generate recommendations and proposals, with a view to providing future additional benefits from technological developments in the spirit of Robert Browning's Rabbi Ben Ezra: "The Best is Yet to Be".

The opinions and recommendations expressed at the Workshop will be presented in the Workshop Proceedings and at the 25th Anniversary celebrations of IEEE Region 8 in October 1988.

### THE INTERNATIONAL WORKSHOP ON TECHNOLOGY BENEFITS TO HUMANITY

Jerusalem, Israel, 14–16 March 1988

For additional information please contact Dr. J. Baal-Schem, Chairman of Workshop organising Committee: ICTAF at Tel-Aviv University, Tel-Aviv 69978 Israel.

Tel: +982 3 417222. Tx: (in UK): 265871 (MONREF G)  
Attn: 83 AURO59 Baal-Schem

Section Chairman

Professor Ezra Zeheb, Technion-Israel, Institute of Technology, Electrical Engineering Department, Haifa, ISRAEL 32000

## EGYPT

By Mr. Abdel-Latif I. Ahmed

الشعبة المصرية  
لجمعية مهندسي الكهرباء والإلكترونيات الدولية IEEE

تم انشاء هذه الشعبة عام ١٩٥٦ بجهود المرحوم الاستاذ الدكتور/ همام محمد محمود ، وكان عدد اعضاء الشعبة في بداية انشائها ٢٥ عضوا زاد عددهم تدريجيا الى ان جاوز ال ٣٠٠ عضو . وتنظم الشعبة محاضرات في مختلف مجالات الهندسة الكهربائية والإلكترونية في مقر جمعية المهندسين المصرية ٢٨ شارع رمسيس بالقاهرة . كما قمنا هذا العام بانشاء مركز للمعلومات بجمعية المهندسين يضم كل الدوريات التي تصدرها جمعية مهندسي الكهرباء والإلكترونيات الدولية ، وكذلك مجلدات ابحاث المؤتمرات السنوية تعقد هذه الجمعية ، والتي تضم ٣٣ جمعية متخصصة تصدر اكثر من ٦٠ دورية علمية وهندسية . وقد تم انشاء فرع لجمعية الحاسبات في عام ١٩٨٥ Computer وتم هذا العام انشاء فرع مشترك لجمعية الهوائيات وانتشار الموجات وهندسة الموجات الميكرومترية AP & MTT وحارى انشاء فرع لجمعية الطاقة والكهرباء وفرع رابع لجمعية الاتصالات . كما يوجد حاليا ثلاثة فروع للطلبة بجامعة القاهرة والاسكندرية ومنوف ، تساهم في النشاط العلمي للطلبة ، وتشجع الطلبة الجدد على الاشتراك في الجمعية باشتراكات زهيدة يحصلوا بموجبها على محلات علمية هندسية بها احدث التطورات العلمية في مختلف المجالات . والشعبة المصرية ترحب بكم للمساهمة في نشاطها العلمي والهندسي ، وترجو ان تساعدوا في زيادة اعضائها بمعدل زيادة ١٠ ٪ سنويا .

رئيس الشعبة المصرية

تليفون عمل : ٧٠٠٨٨٤  
مهندس/ عبد اللطيف ابراهيم احمد منزل : ٣٤٦٩٠٠٠  
عنوان العمل : ٣ شارع اسماعيل ابو الفتوح الدقي - القاهرة

Section Chairman:

Mr. Abdel-Latif I. Ahmed, 59 Madinet El-Ilam, FI.410, Agouza, CAIRO, Egypt.

Continued on page 8



## SOFTWARE ENGINEERING '88

Second IEE-BCS Conference

11-15 July 1988

University of Liverpool  
United Kingdom



A Conference with a Difference. Its primary objective is to raise the awareness of all aspects of good software engineering practice. Emphasis will be placed on the best of modern industrial practices rather than on fundamental research.

While the intention is to encourage discussion of all aspects of software engineering, the focus will be on four principal areas: (i) Construction of software systems; (ii) Measurement and quality assurance; (iii) Management issues affecting software; (iv) Beyond software engineering.

### SUBMITTED PAPERS

Reporting modern experience and advances in software engineering technology.

### TUTORIALS

Presenting that which is widely recognised as good practice.

### EXHIBITION

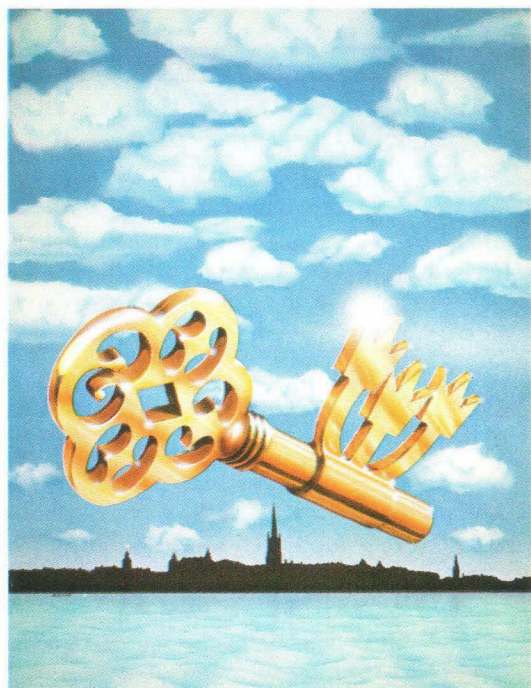
Presenting software tools and products available for the support of good practice.



THE INSTITUTION  
OF ELECTRICAL  
ENGINEERS

Those wishing to submit a contribution or attend the conference should contact:

Software Engineering '88 Secretariat  
The Institution of Electrical Engineers,  
Savoy Place, London WC2R 0BL, UK.  
Telephone +44 1 240 1871: Telex 261176 IEE LDN G



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# EUROCON '88

## AREA COMMUNICATIONS

Details will be found on page 3





## A MAN OF HIS WORD

Donald Christiansen, the author of those ably pointed editorials in "Spectrum", concluded his Spectral Lines in the December 1986 issue with the words "Perhaps we all need a sign which reads: 'IEEE: think transnational'."

This was no empty thought; it is understood that a notice, correct in every particular, now sits on each of the word-processing terminals in his editorial department. Perfection is rarely so quickly introduced.



### List of Participants

Prof. Y. Ackermann, German Institute for Research and Experiments in Air and Space; Member, International Conference Board. Prof. F. Aldana, Politechnical University of Madrid, Spain; Adcom Member Industrial Electronics Society. Dr. A. Cherin, A. T. T. Bell Laboratories USA; Member, International Communications Conference Board. Prof. A. H. Haddad, Georgia Institute of Technology USA; Chairman, Technical Activities Board. Prof. F. Harashima, Institute of Industrial Science, Tokyo; President, Industrial Electronics Society University. Dr. E. G. Kiener, Solar Turbines, Inc. USA; IEEE President, Industrial Applications Society. Prof. A. H. Levis, Massachusetts Institute of Technology (MIT) USA; Chairman, Control Systems Society. Prof. G. S. Moschytz, A. T. H. Switzerland; Member of the Zurich Seminars on Digital Communications Steering Committee. Prof. W. E. Proebster, IBM, Germany; Chairman, European Computer Conference. Dr. H. Ruechardt, Siemens AG, Germany; Director Region 8 (Africa, Europe and Middle East). Prof. K. C. Smith, Toronto University, Canada; Chairman, Circuits and Systems Society.

## IEEE OFFICIALS SEMINAR

By Dr. Jacob Baal-Schem

The Seminar was initiated by the Israel Section in order to enhance contacts with the Societies and Region 8; the occasion was the 15th Convention of Electrical and Electronics Engineers in Israel, an event organised in alternate years by the Israel Section. The main subject of the Seminar was the organisation of Conferences. All Seminar members were invited to the opening session of the Convention which had a audience of 1200 engineers; as the Convention was held in Hebrew, simultaneous translation was provided for the Seminar participants.

Before taking part in the Convention, seminar participants visited several conference sites in Israel and amongst the attractive scenery of Jerusalem held fruitful discussions on co-operation between IEEE Sections and Societies. The general impression was that everyone enjoyed this opportunity to exchange views and were left with the firm impression that Israel provides a good meeting ground for effective technical conferences.

### REGION 8 NEWS DEADLINE & ADVERTISING RATES

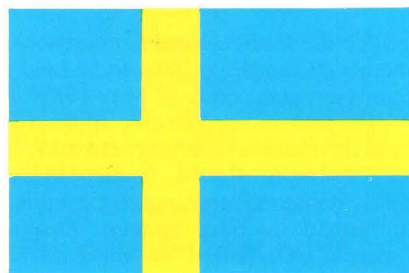
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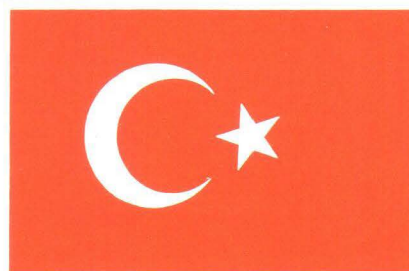
Payment in Sterling banker's draft to IEEE-R8N.  
PO Box 30, Farnham, Surrey, England GU10 1QQ.

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Half	650	supplied
Quarter	400	by
A4 Full Page Black & White	£1000	the
Half	600	Client
Quarter	350	

Colour or Black and White Artwork, can be supplied  
(Costs on receipt of copy) Further details from the Editor



The Editor apologises for the omission of the Swedish flag in R8N No. 77 and for the incorrect proportions of the Turkish flag in Issue No. 79





## NEWS FROM THE SECTIONS (continued)

### UNITED KINGDOM & REPUBLIC OF IRELAND

By Mr. B. R. Harrington & Roland Saam, Area 8 Chairman  
Computer Chapter. Events proposed for 1988 should include:

1. A repeat of the successful Slough meeting on "Engineering Software for Personal Computers."
2. "Pocket Computers", perhaps with a competition along the lines "Design an Original Pocket Calculator".
3. Computer Graphics: Joint meeting with Control Systems Chapter, and a Joint meeting with Professional Communications Chapter – Software Engineering Tools.

Spring 88. Practical Experience of Software Development Standards and Methodologies. IEEE is responsible for organisation and publicity, British Telecom for finance, and the Chairman is Mr. David Ivatts of British Telecom International, Caxton House, 2 Farringdon Street, London EC1; the IEEE co-ordinator is Mr. Brian Harrington.

Future Meetings: Data Base Machines – Thursday 19 November 87, Polytechnic of Central London, W1M 8JS; Contact – Dr. Paul Gretton-Watson, 01-580-5599. International Conference on Information, Science & Engineering – in York, North Humberside; Contact – R. Larry Esq., IERE, London; Tel: 01-388-3071.

*Section Chairman:*  
Professor Charles W. Turner, Electronic & Electrical Engineering Department, King's College, Strand, London, England WC2R 2LS.

### UNITED ARAB EMIRATES

By Mr. Mushtaq Ahmad Zuberi

This new IEEE Section in Region 8 has been formed and approved with effect from 10 June 1987. The following Section officers were elected for a period of three years with effect from 1 July 1987. Chairman: Mr. Mushtaq Ahmad Zuberi; Vice-chairman: Mr. Ahmad H. Zamer; Secretary: Mr. Kapil Raval; Treasurer: Mr. Nagraj G. Acharya.

*Section Chairman:*  
Mr. Mushtaq Ahmad Zuberi, Chief Engineer Water & Electricity Dept., Govt of Abu Dhabi, P O Box 4276 Abu Dhabi (United Arab Emirates). Tel: +971-2-562700 or 721500 Ex. 200. Telex: 22369 Watelec-EM.

### POLAND

By Professor W. J. Seruga

The New Executive Committee of the Poland Section is as follows: Chairman: Prof. W. J. Seruga, Tel: +48 22 120246 Telex: 813279 (IEL PL). Vice-chairman: Bohdan Mroziewicz, Tel: +4842 437810. Secretary/Treasurer: Zbigniew H. Czyz, Tel: +48 22 270266 Telex: 817791 (PKDEP PL).

The Section at the end of July 1987 had 100 members, including 19 students. The International Symposium on Electromagnetic Fields was held in Pavia, Italy on 23–25 September. In April and May 11 technical lectures were presented.

We have not yet resolved the difference between our estimation of the Custody Account balance and the estimate made by Field Services.

## INTERNATIONAL COMPUTER CONFERENCE COMPEURO '89

By Professor Walter E. Proebster

### Second Announcement and Call for Papers

Papers are invited for the International Conference on VLSI and Computer Peripherals – CompEuro '89 – to be held in Hamburg, Federal Republic of Germany, on 8–12 May 1989. The theme of the conference is VLSI and microelectronic applications in intelligent peripherals and their interconnecting networks:

- \* Storage Systems: Semiconductor, magnetic, optical etc.
  - \* Input/output human interface systems: Displays, printers, keyboards, speech I/O, (based on mechanical, optical or acoustic technologies).
  - \* Intelligent sensors and actuators: automotive, aeronautical, aerospace, industrial control, robotics, alarm and security systems.
  - \* Design and use of interconnecting networks: system interfaces, interconnection of peripherals in heterogeneous systems, industrial LANs, integrated services.
  - \* VLSI design methodology for peripherals: technology selection, standard vs. custom design, electromagnetic compatibility.
  - \* Advanced technologies and trends.
- Prospective authors should send a letter of intent (giving title,

topic group and address), to arrive not later than March 1988, together with a 500-word abstract (to arrive not later than 15 August 1988), to Professor H. Reiner, SEL Research Centre, PO Box 400749, D-700 Stuttgart 40, Federal Republic of Germany. The Conference language is English.

CompEuro 89 will include tutorials, a technical exhibition – components, equipment, demonstrations and technical literature – and a social programme. This will be the third in the series of annual CompEuro International Conferences, which were initiated by the Computer Society and Region 8. Joining them as sponsors of CompEuro 89 are the Verband Deutscher Elektrotechniker and the Gesellschaft fuer Informatik. Lufthansa is the official carrier.

*Further information from:*  
Professor Walter E. Proebster, IBM Laboratory, PO Box 1380, D-7030 Boeblingen, Federal Republic of Germany. Tel: (07031) 16 3929. Telex: 7265 IBM D.



# INDUSTRY APPLICATIONS SOCIETY TRANSACTIONS

## Publication Policy

*The following letter is reproduced from the August issue of Region 8 News.*

Sir,

In the May issue of the Industry Applications Society's Newsletter, Vol. XXVII No. 3, there appeared an article on "IAS Sets New Policy for Over-the-Transom Papers". It seems that a paper submitted directly to the Editor for publication in the IAS Transactions, will not be considered for publication until the author has read it to a conference organised by that Society.

It is difficult to resist the conclusion that this is overt discrimination against non-US members of the Institute who may wish to have their papers considered for publication in the Institute's Transactions. It should be remembered that all IEEE members make contributions to all the Societies by way of their subscriptions to the Institute's funds, and also that the proposed procedure would be the equivalent of making a publication charge which could amount to more than \$1000 for those outside the US borders. Is this one of the acceptable faces of "Trans-nationalism"; and is it the Institute's intention that the rule will eventually apply to all the Transactions?

There is the added objection that the proposed rule would transform the Transactions into a Post Conference Record, with the inevitable result that the Transactions will lose that justifiably high standing which all the Institute's publications enjoy amongst the scientific community of the world.

For those whose native language is not English it will almost always be necessary to improve the English before publication; it would be very difficult for a conference to do this.

Yours, etc.,

Dr. Jan Nasilowski (S.M.) (Poland)

*Through the good offices of Mr. Melvin I. Olken, Manager of TAB Committees and Special Projects, IEEE Headquarters, New York, we have received a reply from the Industry Applications Society.*

An article in the 1986 May/June issue of the IAS newsletter concerning a policy for "Over-the-Transom Papers" evoked concern by a Region 8 member that the "new" IAS policy was restrictive to non-US members of IEEE wishing to publish papers in the IAS Transactions. I will alleviate that concern and review how the formalization of this policy came to be for IAS.

The IAS publishes approximately 150 papers per year in its bi-monthly Transactions. This represents 30-35% of the total papers presented at conferences sponsored by IAS or IAS technical departments or committees. Two major factors limit the number of papers which may be published. First, financial restrictions. The cost of IAS Transactions publication represents 35% of the 1987 Society annual expenses. This major cost is supported solely through income received from Transactions sales and by a portion (13%) of IAS membership dues. Unlike other Societies within IEEE, no costs are passed on to the authors for the publication of their papers. In some Societies those costs are between \$800-\$1300 per paper. As you can see there is a practical and realistic maximum number of papers which can be published under the existing financial policy of the Transactions.

Second, it was the intent of the Society Executive Board and the Publications Department to maintain the Transactions as an archival resource of top quality technical papers covering topics within the technical scope of the IAS. The time consuming, difficult job involving many skilled volunteers performing paper reviews is the basis for maintaining technical quality in the papers which are published in the IAS Transactions. With the presentation of a technical paper at a conference before hundreds of peers, and subjecting each paper to the questions, discussions and comments which arise as a result of the presentation, the review process is greatly facilitated and the marginal paper identified for reconsideration by the author. Only after a paper has passed this intensive review procedure is it eligible for publication in the IAS Transactions.

Now to address the Region 8 members' main concern that the "Conference Presentation First Policy" places the non-U.S.

member at a disadvantage. Not So! We live in a global society and the IAS is a trans-national organization. Currently most IAS sponsored conferences are held in North America. (The IAS is **considering** holding future annual meetings outside Regions 1-7). To this degree, the conference presentation policy does require an effort (time and money) to attend conference and present the paper. Certainly, you will agree the purpose of writing a paper is to share technical information and ideas with fellow engineers. What a wonderful way to be recognized by your peers as contributing to our profession! First hand, face to face communication in a conference presentation format facilitates the sharing of author knowledge.

As money and time may not permit the author to attend a specific conference there are alternative ways to present the paper. Substitute presenters may be used by the author, in his absence. The substitute should have knowledge of the material to be presented and advance notice must be given to the conference organizers and the sponsoring technical committee and department. The selection of a substitute presenter is the author's responsibility; however the technical committee and department may assist in finding a substitute in special cases. The procedure has been used by authors with success.

While the "presentation first" policy may seem to place a burden on the non-U.S. author, the records show that of the 150 papers published or to be published in Transactions under this policy, 39 (26%) are by authors in Regions 8, 9 and 10 (outside North America). This is evidence that the policy does not unduly burden the non-U.S. member.

Two Societies, the IAS and the Power Engineering Society (PES), have the "presentation first" policy. This leaves other Societies within IEEE available for authors to submit papers to when the topic is within the scope of those Societies. So there are alternatives if you feel the "presentation first" policy does not serve your interests.

Overall, it seems to me that concern of the "Over-the-Transom Papers" policy will lessen as you know more about the policy and the "how and why" of the policy developed.

Familiarity with the alternatives of substitute presenters for conferences and other outlets for technical papers within IEEE will offer authors a choice in how and where to have a paper published.

The Executive Board and the Publications Department of the IAS is continually reviewing policies to ensure that the intent of the policy is being achieved. Thus useful input from all members will be considered in revising this and other policies within IAS.

It is the strong desire and intent of the Industry Applications Society to provide a format for the exchange of technical information and to be responsive to the requirements of authors of technical papers who support the Society's Transactions.

**Michael J. Foley,**  
IAS Publications Department Chairman.

If I have understood Mr. Foley's article correctly, perhaps I may be allowed to paraphrase it:

1. *He confirms that papers will not be published in the IAS Transactions unless they have been read previously at a conference sponsored by the Industry Applications Society.*
2. *The IAS is considering (but has not yet done so) holding future annual meetings outside Regions 1-7 (North America).*
3. *If either time or money prevents an author from attending a conference, his paper may be read by someone else. (This is a procedure which, for obvious reasons, is either prohibited or severely discouraged by European Societies).*
4. *He maintains that because 26% of the published conference papers are from Regions 8-10, no undue burden is placed on non-U.S. members. (There may be other interpretations of that figure).*
5. *He suggests that authors who, because of the IAS policy, are unable to publish in IAS Transactions, could present their work in the Transactions of other IEEE Societies (a curious and not easily understood point of view).*
6. *The Power Engineering Society have the same Transactions publication policy.*

*continued on page 11.*



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

No. 13

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.

November 1987

## NOVEMBER 1987

**November 15-18. Global Telecommunications Conference.** Tokyo, Japan  
Sponsors: COMSOC, IECEJ  
Contact: (Europe, Africa and Middle East) Dr. F. Tosco, CSELT, Via Reiss Romoli 274, 10148 Torino, Italy

**November 16-18. Third International Conference on Electrical Machines and Drives.** London, UK  
Organiser: IEE  
Co-operating: IEEE UKRI Section, IME  
Contact: IEE Conference Department  
Deadline: 27 February 1987 (Synopsis)

**November 16-20. International Symposium on the Technologies for Optoelectronics.** Cannes, France  
Organisers: ANRT, SPIE  
Sponsors: Nine associated bodies  
Contact: Judith Prado, Cannes Conference Co-ordinator ANRT, 16 avenue Bugeaud, 75116 Paris, France  
Deadline: 27 April (Abstracts)

**November 30-December 2. AFRICON '87 - International Workshop on Future Development of Technological and Educational Infrastructure in Africa.** Abidjan, Ivory Coast  
Organiser: IEEE Region 8  
Co-operating: African Development Bank, ITU  
Contact: Dr. H. Ruechardt, Siemens AG, Balenstr. 73, D-8000 Munich 80, FRG

## DECEMBER 1987

**December 1-2. International Conference on Training for Change - The Revolution in Commerce and Industry.** London, UK  
Organiser: IEE  
Co-operating: IEEE UKRI Section, AEEL, BCS, IMA, IP, ICE, IERE, IME, IFIP, SEV/A  
Contact: IEE Conference Department

## JANUARY 1988

**January 4-6. Monolithic Microwave Integrated Circuits - a two and a half day short course.** London, UK  
Organiser: King's College, University of London  
Contact: MMIC Course Organiser, Dept. of Electronic and Electrical Engineering, King's College, Strand, London WC2R 2LS

## MARCH 1988

**March 7-9. The ISDN in Introduction.** Berlin, FRG  
Organiser: VDE/ITG  
Co-operating: IEEE Germany Section  
Contact: Prof. Dr. F. Coers, IEEE Germany Section, VDE-Haus, Stresemannallee 13, D-6000 Frankfurt 70, FRG

**March 9-10. 10th International Zurich Seminar on Digital Communications.** ETH Zurich, Switzerland  
Organiser: IEEE Switzerland Chapter on Digital Communications  
Co-operating: IEEE C and COM, IEE, Eurl and ten other bodies  
Contact: Secretariat IZS 88, c/o P. Günzburger, Hasler AG TDS, Belpstrasse 23, CH-3000 Bern 14, Switzerland  
Deadline: July 31 1987 (draft)

**March 9-11. Computer Architecture and Operating Systems.** Paderborn, FRG  
Organisers: ITG, VDE, GI  
Co-operating: IEEE Germany Section  
Contact: Prof. Dr. F. J. Ramming, Univ.-GH Paderborn, FB Mathematik/Informatik, Warburger Str. 100, 4790 Paderborn, FRG  
Deadline: 17 July 1987 (Full paper)

**March 14-16. Sensors - Technology and Application.** Bad Nauheim, FRG  
Organiser: GMA, Society for Measurement and Control, ITG  
Co-operating: IEEE Germany Section  
Contact: VDI/VDE-Gesellschaft Mess und Automatisierungstechnik, Postfach 1139, D-4000 Dusseldorf 1, FRG  
Deadline: 15 September 1987 (Paper)

**March 14-16. International Workshop on Technology Benefits to Humanity - Past and Future.** Jerusalem, Israel  
Organiser: IEEE Israel Section  
Sponsors: IEEE Region 8  
Co-operating: ICTAF  
Contact: Dr. J. Baal-Schem, P.O.B. 1205, Holon 58112, Israel

**March 22-23. 35th Congress on Electronics - Satellite Broadcasting: European Experience and Plans.** Rome, Italy  
Organiser: RIENA  
Contact: RIENA Secretariat, Via Crescenzo 9, 00193 Rome, Italy  
Deadline: 30 October 1987 (Abstract)

**March 28-30. Conference on The Teaching of Electronic Engineering in Degree Courses.** University of Hull, UK  
Organiser: Univ. of Hull/Dept. of Electronic Engineering  
Sponsors: IEE  
Co-operating: IEEE UKRI Section  
Contact: Conference Secretariat, Department of Electronic Engineering, University of Hull, Hull HU6 7RX, UK

## APRIL 1988

**April 11-13. Fourth International Conference on HF Radio Systems and Techniques.** London, UK  
Organiser: IEE  
Co-operating: Institute of Mathematics and its Applications  
Contact: IEE Conference Department  
Deadline: 30 October 1987 (Full typescript)

**April 11-14. CompEuro 88 - The Second International Conference on Advanced Computer Technology, Systems and Applications.** Brussels, Belgium  
Organiser: IEEE Benelux Section  
Sponsors: IEEE Region 8, IEEE CS, Euromicro  
Contact: Prof. J. Tiberghien, VUB-INFO-T.W. Pleinlaan 2, 1050 Brussels, Belgium

**April 13-15. CONTROL 88.** Oxford, UK  
Organiser: IEE  
Co-operating: IEEE UKRI Section, IMA, IMC, IP, IERE, IME, ISA  
Contact: IEE Conference Department  
Deadline: 28 August 1987 (Synopsis)

## MAY 1988

**May 23-25. International Conference on Rural Telecommunications.** London, UK  
Organiser: IEE  
Co-operating: Institute of Mathematics and its Applications  
Contact: IEE Conference Department  
Deadline: 3 November 1987 (Full typescript)

## JUNE 1988

**June 7-9. 1988 IEEE International Symposium on Circuits and Systems.** Helsinki, Finland  
Organiser: IEEE CAS  
Co-operating: IEEE Finland Section  
Contact: Dr. Markku Renfors, Tampere University of Technology, PO Box 527, SF-33101 Tampere, Finland  
Deadline: 1 October 1987 (Summary)

**June 7-8. Third International Conference on Installing Engineering - Designing and Maintaining Successful Systems.** London, UK  
Organiser: IEE  
Contact: IEE Conference Department  
Deadline: 10 February 1988 (Full typescript)

**June 13-17. EUROCON '88 - Eighth European Conference on Electrotechnics.** Stockholm, Sweden  
Organiser: SER, IEE Sweden Section  
Sponsors: IEEE Region 8, EUREL  
Contact: EUROCON '88 c/o Stockholm Convention Bureau, P.O. Box 6911 S-102 39, Stockholm, Sweden  
Deadline: 1 August 1987 (Abstracts)

**June 21-23. International Conference on Private Switching Systems and Networks.** London, UK  
Organiser: IEE  
Contact: IEE Conference Department  
Deadline: 12 February 1988 (Full typescript)

**June 24. COMSIG '88 - South African Conference on Communications and Signal Processing.** Pretoria, South Africa (one day conference)  
Co-operating: NEERI, IEEE Region 8  
Contact: The Symposium Secretariat S.461, CSIR, P.O. Box 395, Pretoria, South Africa  
Deadline: (Papers now being called for)

**June 27-30. Fifth International Conference on Dielectric Materials, Measurement and Applications.** University of Kent at Canterbury, UK  
Organiser: IEE  
Co-operating: IEEE UKRI Section, Inst. of Physics, IERE, Dielectric Soc.  
Contact: IEE Conference Department  
Deadline: 15 January 1988 (Full Typescript)

## JULY 1988

**July 11-15. Second IEE/BCS Conference "Software Engineering 88".** University of Liverpool, UK  
Organiser: IEE  
Co-operating: British Computer Society, IEEE UKRI Section, ACM Europe Cha  
Contact: IEE Conference Department  
Deadline: 30 October 1987 (Draft)

**July 13-15. Third International Conference on Power Electronics and Variable-speed Drives.** London, UK  
Organiser: IEE  
Contact: IEE Conference Department  
Deadline: 30 October 1987 (Synopsis)

## SEPTEMBER 1988

**September 5-8. Symposium on Power Systems - Modelling and Control Applications.** Brussels, Belgium  
Organiser: IBRA-BIRA (Belgian Federation of Automatic Control)  
Sponsor: IFAC  
Co-operating: SRBE-KBVE  
Contact: IFAC Symposium 88, IBRA-BIRA Fed., rue Ravensteinstraat 3, 1000 Brussels, Belgium  
Deadline: 1 November 1987 (Full papers)

**September 5-8. EUSIPCO 88 - Fourth European Signal Processing Conference.** Grenoble, France  
Organiser: EURASIP  
Contact: N. Martin, CEPHAG-ENSIEG, BP 46, 38402 St. Martin d'Herès Cedex, France  
**September 23-27. IBC 88 - International Broadcasting Convention.** Brighton, England  
Organiser: IEE  
Sponsors: IABM, IEE, IEEE, IERE, RTS, SMPTE  
Contact: IEE Conference Department

## OCTOBER 1988

**October 17-19. Fourth International Conference on Satellite Systems for Mobile Communications and Navigation.** London, UK  
Organiser: IEE  
Sponsors: INMARSAT  
Co-operating: IEEE MTT, IEEE VT, IERE, RAS, RIN, RINA  
Contact: IEE Conference Department  
Deadline: 26 October 1987 (Synopsis)  
**October 30-November 3. ICC 88 - Ninth International Conference on Computer Communication.** Tel-Aviv, Israel  
Organiser: ICC  
Contact: Secretariat ICC '88, PO Box 50006, Tel-Aviv 61500, Israel

## NOVEMBER 1988

**November 7-8. International Conference on Refurbishment of Power Station Electrical Plant.** London, UK  
Organiser: IEE  
Co-operating: Institute of Mechanical Engineers  
Contact: IEE Conference Department  
Deadline: 27 May 1988 (Full typescript)

**November 22-24. Fourth International Conference on Electrical Safety in Hazardous Areas.** London, UK  
Organiser: IEE  
Sponsors: BASEFA, BSI, GAMBICA, IP, Inst. of Physics, ICE, IMC, IME, IMEMME  
Co-operating: British Gas, ADDC, EIC, EEMUA, IADC, IEC  
Contact: IEE Conference Department  
Deadline: 10 June 1988 (Full typescript)  
**November 28-30. International Conference on Overhead Line Design and Construction: Theory and Practice (Up to 150 kv).** London, UK  
Organiser: IEE  
Contact: IEE Conference Department  
Deadline: 6 November 1987 (Synopsis)

## APRIL 1989

**April 11-13. MELECON '89 - Mediterranean Electrotechnical Conference.** Lisbon, Portugal  
Organisers: IEEE Region 8, IEEE Portugal Section  
Sponsors: Orden dos Engenheiros, CEATUL  
Contact: Prof. de Medeira Silva, Instituto Superior Tecnico, Av. Rovisco Pais, 1096 Lisboa Codex, Portugal  
Deadline: 15 June 1988 (Summaries)

**April 11-13. Fourth International Conference on Development in Power System Protection.** University of Edinburgh, UK  
Organiser: IEE  
Co-operating: IEEE UKRI Section  
Contact: IEE Conference Department  
Deadline: 11 December 1987 (Synopsis)

**April 25-29. International Conference on Acoustics, Speech and Signal Processing.** Glasgow, Scotland, UK  
Organiser: IEEE ASSP  
Contact: Prof. T. S. Durrani, Univ. of Strathclyde, Dept. of EE, Royal College Bldg, 204 George St, Glasgow G1 1XW, Scotland, UK

## MAY 1989

**May 8-12. CIRED - International Conference on Electricity Distribution.** Brighton, UK  
Organiser: IEE  
Co-operating: National and Liaison Committees  
Contact: IEE Conference Department  
**May 8-12. CompEuro 89 - VLSI and Computer Peripherals.** Hamburg, FRG  
Organiser: IEEE Region 8  
Sponsors: IEEE CS, VDE, GI  
Contact: Prof. W. E. Proebster, c/o IBM P.O.B. 80 08 80, D-7000 Stuttgart 80, FRG



## REFERENCE INFORMATION

### Mailing Addresses

IEEE Region 8 Conference Coordinator – Dr. J. Baal-Schem, P.O.B. 1205, Holon 58112, Israel.

IEEE Conference Department, Savoy Place, London, England, WC2R 0BL. Telephone National 01-240 1871 (Ext. 222). International +44 1 240 1871. Telex: 261176.

IEEE Conference Activities, 345 East 47th Street, New York, NY 10017, USA.

IEEE Conference Secretariat, 99 Gower Street, London WC1E 6AZ. Telephone National 01-388 3071. International +44 1 388 3071. Telegrams: Intrad London England WC1E 6AZ.

### IEEE Society Acronyms:

ASSP	– Acoustics, Speech, and Signal Processing	EI	– Electrical Insulation	OE	– Oceanic Engineering
AES	– Aerospace and Electronic Systems	EMC	– Electromagnetic Compatibility	PE	– Power Engineering
AP	– Antennas and Propagation	ED	– Electronic Devices	PC	– Professional Communications
BT	– Broadcast Technology	EM	– Engineering Management	PEC	– Power Electronics Council
CAS	– Circuits and Systems	EMB	– Engineering in Medicine and Biology	QEA	– Quantum Electronics and Applications
CE	– Consumer Electronics	GRS	– Geoscience and Remote Sensing	R	– Reliability
COM	– Communications	IE	– Industrial Electronics	RA	– Robotics and Automation
CHMT	– Components, Hybrids, and Manufacturing Technology	IA	– Industry Applications	SIT	– Social Implications of Technology
C	– Computer	IT	– Information Theory	SSC	– Solid State Circuits
CS	– Control Systems	IM	– Instrumentation and Measurement	SU	– Sonics and Ultrasonics
E	– Education	MAG	– Magnetism	SMC	– Systems, Man, and Cybernetics
		MTT	– Microwave Theory and Techniques	VT	– Vehicular Technology
		NPS	– Nuclear and Plasma Sciences		

### EUREL Acronyms:

A	– Austria	DIF's E-Gr	– Elektroingeniorgruppen (in Dansk Ingeniørforening)	NEF	– Norsk Elektroteknisk Forening
OVE	– Österreichischer Verband für Elektrotechnik	E	– Spain	NL	– Netherlands
B	– Belgium	AEE	– Asociación Electrotécnica Española	KIVI	– Koninklijk Instituut van Ingenieurs, Afd. Elektrotechniek
SRBE	– Société Royale Belge des Electriciens	F	– France	NERG	– Nederlands Elektronica-en Radiogenootschap
AIM	– Association des Ingenieurs Electriciens sortis de l'Institut Electrotechnique Montefiore	SEE	– Société des Electriciens, des Electroniciens et des Radioelectriciens	P	– Portugal
CH	– Switzerland	GB	– Gt. Britain	–	– Conselho Directivo Nacional/Ordem dos Engenheiros – Department Electrical Engineers
SEV/ASE	– Schweizerischer Elektrotechnischer Verein/Association Suisse des Electriciens	IEE	– Institution of Electrical Engineers	S	– Sweden
D	– Germany	IERE	– Institution of Electronic and Radio Engineers	SER	– Svenska Elökeingenjörers Riksförening
VDE	– Verband Deutscher Elektrotechniker	I	– Italy	SF	– Finland
DK	– Denmark	AEI	– Associazione Elettrotecnica ed Elettronica Italiana	–	– Aatteellisten sähköinsinöörjäjestöjen neuvottelukunta
IS	– Ingeniør-Sammenslutningen I-VD	N	– Norway		

### Continued from page 9

There is no response to Dr. Nasilowski's comment that the IAS Transactions will become a "Post-conference Record". The very high standing of the IEEE's publications is one of the principal attractions of IEEE membership to non-USA engineers, who assume that those publications contain the best papers available, from any source; that assumption may have to be changed to read "the best papers read at an Industry Society conference" – it is difficult to resist the obvious implications. Is the restriction imposed by the "presentation first" policy stated in the "Notes for Authors" in the IAS Transactions?

It is possible that some higher authority in the IEEE may wish to consider the consequences which might arise from this publication policy, in particular its effect on the recruitment of new members and the retention of existing members.

I am grateful to Dr. Nasilowski for raising this matter, to Mr. Olkin for his assistance and to Mr. Foley for providing his Society's reply.

(Editor).

## FUNDS FOR PARTICIPATION IN CONFERENCES

The Regional Committee decided at its last meeting that a part of the new Regional Assessment should be devoted to the creation of a fund which will be used to assist members to participate in Regional Conferences.

In order to be eligible, an IEEE member has to have submitted a paper (abstract or full paper) for presentation at the conference and has to be able to meet a part of the expenses from his own funds. If you wish to take advantage of this offer in order to attend CompEuro '88 (Brussels) or Eurocon '88 (Stockholm) you should write to the Regional Director, via your Section Chairman, before 1 April 1988.

## FELLOWS AND AWARDS

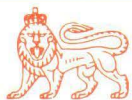
By Professor E. Folke Bolinder

FELLOWS of the IEEE are not admitted to the Institute by examination but on the recommendation of other members. If you know of a Senior Member of the Institute who you believe may merit the distinction of becoming a Fellow, then write a short letter to Miss Betty Stillman, Staff Secretary, the Fellow Committee, 345 East 47th Street, New York, NY 10017-2394 USA. Miss Stillman will gladly send you the appropriate forms, together with a "Nomination Kit". The deadline for the return of the Nomination Forms is 30 April 1988.

AWARDS are presented to those, not necessarily members of the IEEE, who have made outstanding contributions in the electrical, electronic or computer fields. There is a considerable number of those awards, some in a specific discipline, others more general; a Guide to the Awards is available. Each award is made on the basis of recommendations from other members of the Institute. If you know someone who deserves such a distinction then please write a short letter to: Miss Maureen Quinn, Staff Secretary, The Awards Board, 345 East 47th Street, New York, NY 10017-2394, USA. Miss Quinn will willingly send you the necessary forms, together with a copy of the IEEE Guide to Awards.

CONFUSION seems to surround one of the Award rules: is it necessary for a candidate to be a member of the Institute? For major medals the Board of Directors may approve the presentation of any IEEE Major Award medal to a non-member. For Field Awards there is no requirement for IEEE membership. The award of prizes for papers is not conditional upon membership of the Institute. There are two awards for services to the Institute – these require IEEE membership: the Pratt and the Emberson awards. This information has been kindly provided by Maureen Quinn, who is sufficiently experienced to be able to interpret the Award Rules without reference to the United States Supreme Court.





The MMIC Course Organiser,  
Department of Electronic and  
Electrical Engineering,  
King's College, Strand,  
LONDON, WC2R 2LS,  
England.

Tel: 01-836 5454 Ex 2438.

## MONOLITHIC MICROWAVE INTEGRATED CIRCUITS

A Short Course 4-6 January 1988

KING'S COLLEGE LONDON (KQC)

University of London

Department of Electronic and Electrical Engineering

A two-and-a-half day course to be held for researchers and engineers wishing to gain a knowledge of Monolithic Microwave Integrated Circuit Design

Fundamentals of MMIC Design Principles

CAD for MMIC Technology

Latest advances in high-speed MMIC Technology: its expected progress in the next few years

Course lecturers will be from Academic and Industrial Research Centres in USA and UK

## HAMBURG 8-12 May 1989 VLSI and COMPUTER PERIPHERALS



# COMP EURO 89

External Memories  
Sensors and Controls  
VLSI for Peripherals  
I/O Displays, Printers  
Computer Communication  
Advanced Technologies and Trends

### First Call for Papers

Letter of Intent with Name and Title: 1 March 1988  
500 Word Abstract: 15 August 1988

To: CompEuro '89, Prof. Dr. W. E. Proebster, IBM Laboratory,  
PO Box 1380, D-7030 Boeblingen, West Germany  
Further details on page 8 of this Region 8 News.



## 35th CONGRESS ON ELECTRONICS

22-23 March 1988

Palazzo dei Congressi, ROME, Italy

## SATELLITE BROADCASTING

### European Experience and Plans

Chairman: Carlo Terzani, RAI-Radiotelevisione Italiana

V. Chairman: Giuseppe Quaglione, Telespazio, Roma

### The DBS System in Italy

Chairman: Franco Capuccini, Università di Roma La Sapienza

V. Chairman: Claudio Mastracci, Selenia Spazio, Roma

### Equipment and Technologies for DBS

Chairman: Augusto Vighi, I.S.P.T., Roma

V. Chairman:

Angelo Bernardini, Università di Roma La Sapienza

Abstracts should be submitted by 25th November 1987

Round Table:

### What Programme Schedule for what Satellites?

Co-ordinator: Massimo Fichera, RAI-Radiotelevisione Italiana

Day on Biomedicine:

Medical Engineering and Civil Protection in Public Health  
Emergencies: the Role of Electronics and Telecommunications

The Conference will take place in parallel with the 35th International  
Electronics, Energy and Space Exposition (RIENA) from 22nd to 27th March  
1988: Italy's leading Space and Telecommunication event.

For further details contact:

RIENA Congress Secretariat, Via Crescenzo 9, 00193 Rome, Italy.  
Tel: +39.6.6569343 Fax: +39.6.6548482 Tlx: 611407 RIENA I



# COMSIG 88



## 1988 Southern Africa Conference on Communications and Signal Processing

Pretoria

CALL FOR PAPERS

24 June 88

CORRESPONDENCE AND ENQUIRIES

The Symposium Secretariat S.461, CSIR, P.O. Box 395, 0001 PRETORIA  
Telephone: (012) 86-9211 (ext. 2288 or 2077), Telex: SA 321312,  
Teletex: 350180 = CSIR, Teletax: (012) 86-2856

## FUNDAMENTALS of RADAR CROSS SECTION

February 11-16, Orlando  
May 16-20, San Diego

### SHORT COURSE BROCHURES AVAILABLE FROM SCEEE

ANTENNAS: PRINCIPLES, DESIGN, AND  
MEASUREMENTS, MARCH 2-5, 1988.

MODERN ELECTROMAGNETICS AND  
APPLICATIONS, APRIL 25-29, 1988.

Contact: Ms. Kelly, Southeastern  
Center for Electrical Engineering  
Education (SCEEE) 1101 Mass. Ave.  
St. Cloud, FL 32769; (305) 892-6146.

IEEE  
Portugal April

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