

IEEE

Region 8 News

No 103 - August 1993

Europe, Middle East and Africa



Editor

Dr.G.H.Byford
"Sandstones", Crooksbury Road
Runfold, Farnham, Surrey
England, GU10 1QB

Tel: (+44) 252 782625

Fax: (+44) 252 783020

Sections Congress 1993 San Juan, Puerto Rico

The fourth in this series of meetings, held every three years to enable all IEEE Sections from around the world to have the opportunity to meet together, took place in San Juan, Puerto Rico on July 1st-4th.

The tropical island setting for SC93 proved to be a most attractive venue and the superb local arrangements, under the direction of the IEEE Regional Activities Board Vice President Luis (Luchi) Gandia, ensured that the Sections' Congress maintained the high standards set by the previous meetings in Boston, Anaheim and Toronto. About 400 IEEE members, ranging from Section Chairs and Officers to Board Directors, Vice Presidents, Society Presidents and President Martha Sloan, were in attendance. Almost three full days of meetings produced a long list of recommendations, most of which bear directly on Region 8 members' interests.

A frequently recurring theme was the need for improved communications within the Institute, particularly between Sections and Societies. Region 8 pressed for more effective means of channelling resources to Chapters to be devised, particularly from Societies. Concern was expressed over the falling student membership in 9 out of the 10; Regions of the Institute.



Sections Congress 1993 - Puerto Rico

No specific reason has yet been identified for this decline but renewed recruitment drives were agreed to be urgently needed.

Unemployment amongst electronic engineers, especially in defence-related industry, was reported to be high and growing in many Sections. Another issue of importance to Region 8 was the development of IEEE activities in Eastern Europe countries including Russia. There is a strong collective will within IEEE to assist new

Sections in these countries by sending publications, organising conferences and other technical activities, and providing financial aid.

A full report will become available later this year but I plan to give further details to Region 8 Section Chairmen at the Autumn Meeting of the Regional Committee to be held in Nice in early October. The thirty or so Region 8 representatives at SC93 appreciated the unique opportunity afforded by the Congress to meet so many other IEEE Section Chairs and Staff personnel, to exchange views in an informal atmosphere and to enjoy a sense of belonging to a truly world-wide organisation.

Voluntary Contributions for Developing Sections

At the Region 8 Committee Meeting held in Athens in April it was agreed that a proposal would be made to the IEEE Board of Directors to allow an appeal for voluntary contributions to be included on members' dues renewal notices. The funds received would be used to promote membership development in needy Sections and Sections in formation in Region 8, for example for shipping IEEE publications, organising technical meetings and to pay for attendance at IEEE conferences.

The proposal has been favourably received and we are hopeful that the option to make voluntary contributions will become available for next year's dues notice.

Charles Turner, Director Region 8

**Charles Turner,
Director Region 8**

FRANCE

By Mme Frédérique Vallée

CONFERENCES

In association with other Societies, the France Section of Region 8 is participating in the following conferences :

- **IPMU**: 5th International Conference on Information Processing and Management of Uncertainty in knowledge-based systems. Paris, France, July 4-8, 1994. Inf.: Mme Bernadette Bouchon-Meunier, LAFORIA, Université Paris VI, Boîte 169, 4 place Jussieu, 75252 Paris Cedex 05, phone : (33) 1 44 27 70 03, fax : (33) 1 44 27 70 00, e-mail : bouchon@laforia.ibp.fr).

- **OCEANS 94 OSATES**: Ocean Space Advanced Technology European Show, Brest, France - September 13-16, 1994. Inf.: Mlle Bonami, SEE, 48 rue de la Procession, 75724, Paris Cedex 15, phone : (33) 1 44 49 60 60, fax : (33) 1 44 49 60 44/49..

- **ICHPS-VI**, Paris, France, September 94. Inf. : M. Gérard Santucci, Club 15 - Réseaux d'énergie, SEE, 48, rue de la Procession 75015 Paris, France, phone : (33) 1 44 49 60 60, fax : (33) 1 44 49 60 49, Telex : 200565F.

- **ICEM'94**, (International Conference on Electrical Machines), Gif-sur-Yvette, France, September 5-8, 1994. The purpose of this conference is to gather developers, users and researchers from all around the world, to foster information transfer on recent developments and future tendencies in theory, computation, functioning and applications of electrical machines and drives. Inf.: M. Lucien Deschamps, secrétariat général de la SEE, 48 rue de la Procession, 75724 Paris Cedex 15, phone : (33) 1 44 49 60 60, fax : (33) 1 44 49 60 44/49.

- **ULTRASONICS** Symposium, Cannes, France. Hôtel Martinez, November 1-4, 1994. Inf. : M. Gérard Quentin, Université Paris VII, 2 place Jussieu, 75251 Paris Cedex 05, France, phone : (33) 1 43 29 51 22, fax : (33) 1 43 54 28 78.

- **JINA 94**, 8th International Conference on Antennas, Nice, France. November 8-10, 1994. Inf. : Secrétariat JINA 94, CNET-PAB, Centre de La Turbie, 06320 La Turbie - France, fax : (33) 93 41 02 29, télex : 470159F.

Conférences de l'A.R.E. :

Dans le cadre des accords passés entre l'A.R.E. (Conférences du soir des Anciens de la Radio et de l'Electronique) et la Section française de l'I.E.E.E., nous annonçons les conférences suivantes :

- "La génération de puissances (moyennes) très élevées en microondes" (par Georges Mourier, Conseiller Technique à Thomson-Tubes Electroniques, 3 novembre 1993).

- "Les transmissions dans la Marine Nationale" (par le C. V. Christian Ract-Madoux, Chef du Bureau Transmissions à l'Etat-Major de la Marine Nationale, 8 décembre 1993).

- "L'entrée de l'électronique (et de la physique) à l'hôpital" (par Daniel Blanc,

Directeur du Centre de Physique Atomique de l'Université Paul Sabatier, 12 janvier 1994).

- "Le point sur la T. V. H. D" (par Michel Favreau, ancien Ingénieur en Chef à Thomson-CSF, Division Radio Télévision, 23 mars 1994).

- "Le Big Bang : l'expansion et l'inflation de l'univers - point de vue d'un ingénieur", par Philippe Magne, ancien Directeur Technique de la Division Faisceaux Hertziens de Thomson-CSF, 27 avril 1994).

Ces conférences auront lieu à 17h, dans la salle n° 11 de la FIEE, située au quatrième étage du 11 rue Galilée, PARIS 16ème - Métro Boissière ou Iéna.

L'entrée est gratuite, des rafraichissements sont servis pour clôturer sympathiquement la séance.

Pour tout renseignement ou confirmation, s'adresser à Mme Birckel, 193, rue du Faubourg Saint-Martin, 75010 Paris, tél : (1) 46 07 40 77.

Les mardis parallèles de l'IEEE :

Le groupe de travail intitulé "Parallélisme et systèmes distribués" fonctionne les mardis après-midi, une fois par mois, au CNAM de Paris.

(inf. J.F. Myoupo - Université Paris Sud - CNRS URA 410, LRI, bat. 490, 91405 Orsay, tél : 69 41 66 34, ou C. Cérin, Université de Picardie Jules Verne, UFR de Mathématique & Informatique, LAMIFA, 33, rue St Leu, 80039 Amiens, tél : 69 41 70 82).

Membres du bureau nouvellement élu :

Les membres élus à l'Assemblée Générale du 9 juin 1993 sont :

Président : M. Maurice Papo

Vice-Présidents : M. Henri Persoz

Mme Christine Nora

Trésorier : M. Jean-Gabriel Herry

Secrétaire Mme Frédérique Vallée

Membres : M. Pierre Bornard

M. Patrick Boutmy

M. Alain Croisier

M. Michel Israël

M. Victor Fouad Hanna

Mme Edwige Pissaloux

M. Jean Robieux

M. Michel Urien

Information Protection

Moscow: 6-9th December '93

By: Prof. Victor V. Zyblov

This conference, which is sponsored jointly by the Russian Academy of Sciences and the Russian chapter of the Information Theory Society, will deal with Cryptography and Authentication; Error-correcting coding, and Coded Modulation.

Details from: Prof. Victor V. Zyblov, Russian Academy of Sciences, 19 Yermolovoy ST., Moscow, 101447 GSP-4 Russia. Tel: +7 095 299 5096. Fax: +7 095 209 0597

FINLAND

By Aarno Lehtola and Jari Jokiniemi

EVENTS IN THE AUTUMN

The XIX National Convention on Radio Science will take place on October 25-26th at the Helsinki University of Technology. The special topic is "Wireless Communications: Systems and Components"; it will focus on the new challenges revealed by RF research in Finland. Sessions will be organized in analog and digital hardware design, modulation and coding techniques, radio channel modelling, and advanced system concepts. The convention is sponsored by the IEEE Finland Section, URSI Finnish National Committee, EIS, SIL-T, and Helsinki University of Technology Institute of Radio Communications (IRC).

For more information contact Dr. Petteri Alinikula, Helsinki University of Technology, Electronic Circuit Design Laboratory, Otakaari 5 A, FIN-02150 Espoo, Finland, Tel: +350-0-4512279, Fax: +358-0-460224.

The National Symposium on Conceptual Modelling and Object-Oriented Programming will be held on November 5th at the University of Tampere. It is organized by IEEE Finland Section and Computer Chapter, STeS, EIS and the Univ. of Tampere. Topics will include concept acquisition, conceptual modelling methods and tools, object-oriented programming languages, persistent objects and object-oriented databases, object protocols, concurrency in object-oriented systems, reusability of code, object-oriented programming methodology and old systems, experiences with object-oriented systems, examples of applications.

For more information contact Aarno Lehtola, +358-0-456 6032, Fax: +358-0-456 6027, Email: lehtola@tik.vtt.fi

STUDENT BRANCH CHAIRMEN

Tampere Student Branch has elected Tuukka Nuutinen as its new chairman His address is Vanha-Juvankatu 3 B 9, FIN-33710 Tampere, Tel: +358-(9)31-184 195, Email: tpn@ee.tut.fi

Oulu Student Branch has elected Paavo Leinonen as its new chairman. His address is Kallenkuja 6 as 7, FIN-90500 Oulu, Tel(home): +358-(9)81-348 057, Tel(work): +358-(9)81-551 5848, Fax: +358-(9)81-551 660, Email: ptl@stekt oulu.fi and ieesb@ee oulu.fi

Congratulations to the new chairmen! We wish them a very successful period of office.

Section Chairman: Mr. Aarno Lehtola, Nuottakunnantie 3B9, SF-02230, Espoo, Finland. Tel: +358 0 456 6032. Fax: +358 0 456 6027. e-mail lehtola@tik.vtt.fi

Region 8 News is not an official IEEE publication. The views expressed in these pages are those of the authors.

Short
Courses in
Electronic
Engineering

KING'S
College
LONDON
Founded 1829

Digital Radio Communication Systems

22-29 October 1993

An intensive course on advanced digital radio communication systems for those already familiar with basic analogue transmission techniques

Data Compression for Voice, Image and Video Signals

16-18 November 1993

An intensive course, covering both theory and practical applications, for engineers in the telecommunications or TV broadcasting industries and those with an interest in signal processing.

Introduction to Digital Filtering

23-25 November 1993

A hands-on course to introduce and explain basic concepts of discrete time signal processing and design procedures for digital filters.

Details of all courses from:
Continuing Education Unit,
King's College London,
Cornwall House Annexe,
Waterloo Road,
LONDON SE1 8TX.
Tel: 071-872 3055/6
Fax: 071-872 3070



"Somehow I can't take seriously an antitechnology article written on a word processor"

NORTH ITALY

By Dr. Alessandro Gandelli

The Annual General Meeting of the North-Italy Section was held on March 25th 1993; our hosts were the Italian Electrical and Electronics Society (AEI) at the FAST building; the AGM was followed by a co-sponsored Conference. The past Chairman, Ing. Paolo Gazzana Prioroggia reported on the technical meetings and social activities organised by the Section during his three-year term of office.

At the end of the meeting the results of the elections for the 1993-5 term were announced. The newly elected Section Council is as follows:

Chairman: Prof. Luigi Dadda, Politecnico di Milano.

Address: Dip. Elettronica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano Italy. Tel: 39-2-23993510. Fax 39-2-23993411.

Vice-chairman: Prof. Giuseppe Zingales, Università di Padova,

Address: Dip. di Elettrotecnica, Università di Padova, Via Gradenigo 6/A 35100, Padova, Italy. Tel: 39-49-8287622. Fax: 39-498287599

Secretary-Treasurer: Dr. Alessandro Gandelli, Politecnico di Milano.

Address: Dip. Elettrotecnica, Politecnico di Milano, Piazza L. da Vinci 32 20133 Milano Italy. Tel: 39-2-23993724. Fax: 39-2-2363561

Committee Chairmen to complete the Section appointments will be announced in the next few months

Any questions or requests for information on Section activities should be sent to the Secretary at the above address.



The Newly elected Chairman of the North-Italy Section, Prof Luigi Dadda (left) and the Past Chairman, Ing. Paolo Gazzana Prioroggia (right).

FOR STUDENTS

By Mr. Roman Mittendorfer

A few months ago I was appointed as the "new" student representative for Region 8.

First of all I would like to thank my



predecessor Gozde Bozdagi for her excellent work in the interests of Regional students.

To increase the e-mail connectivity throughout the student branches it is necessary that all student branches should

obtain an IEEE e-mail alias ("sb....@ieec.org"). If you are not included yet (up to now there are 33 student branches listed in the Region) send for a copy of the text file available at "info.startup@ieec.org". Furthermore an "e-mail liaison" should be appointed to support the members when information and/or assistance is needed. You can obtain more information by sending a message to "info.topic@ieec.org" where over 70 auto-response text files are available.

If you have any questions, wishes, ... don't hesitate and contact me.

Region 8 Student Representative:
Roman Mittendorfer, Ragnitzstr. 43, 8047
Graz, Austria. Tel: +43 316 873 7274.
e-mail: "mittendorfer@ftug.dnet.tu-
graz..ac.at" or "r.mittendorfer@ieec.org"

Sweden continued from p 7

Student Branch

The Student Branch at Linköping University has elected new officers as follows:

Chairman: Anders Lundquist, Tel: 013 281349 Vice-chairman: Gunnar Hedby; Secretary: Per Larsson, Treasurer: Suzanne Hjelm; E-mail address: alun@isy.liu.se We wish them a very warm welcome on board and good luck with all their student activities.

IEEE SCC20 ATLAS

In May there was a meeting of the standards committee SCC20 in Stockholm. The purpose of the committee is to issue a new revision in 1994 of the IEEE Std 716 c/ATLAS Test Language. This is a programme language for testing complex electronic (analogue & digital) systems. Alf Gustavsson at FFV Aerotech in Arboga is the Swedish representative on the Major Users Executive Board. Enquiries and inputs may be addressed to him on Tel: 0589 81430

Section Chairman: Dr. Piotr Starsky, Chalmers University of Technology, Microwave Technology, S-412 96 Göteborg, Sweden.
Tel: 031 772 1734

(In the May issue of Region 8 News, Mr. Ray Alderman expressed his view that the IEEE Standards service is "abysmal" and that it does not provide "value for money". - Ed.)

PERCEPTION AND REALITY: NOT ALWAYS THE SAME

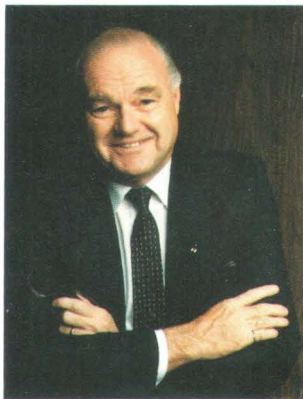
By Professor Wallace S. Read
(Vice-president Standards Activities, IEEE)

Our human minds know no restraint in the desire to draw conclusions with or without complete knowledge. We possess an incredible capacity to be discerning when equipped with the facts and creative in their absence. Incomplete or incorrect information, or, even worse, misinformation serves to widen the gap between what we perceive and what is real, and this can have a powerful impact on how we live and work. Wars have been won and lost because of it.

Because the IEEE Standards Development Process must always be fair, open and international in scope we are dedicated to the promotion of an efficient, effective plan, second to none in the world. Such a system has to be customer sensitive, well communicated and responsive to the IEEE's strategic objective for our standards activity; which is:

".....to achieve and maintain recognition of the IEEE as a leader in the timely generation and dissemination of international electrotechnology standards that promote expansion of the industrial base in which IEEE members are employed."

THERE IS A PERCEPTION that the IEEE Standards process is in place to create United States national standards.



The reality is that the IEEE is keenly aware of its growing global membership base and is especially concerned that this constituency and the industries from which it comes are well served in all of IEEE's activities. Our standards activity is particularly driven by market forces; meeting newly evolving global demands on our program is our first priority..

THERE IS A PERCEPTION that the IEEE Standards process is too slow and unresponsive to change.

The reality is that we have led change in the past few years, change which has seen tremendous improvement in the time required to publish standards following their approval in committee. The task now is to establish a completely automated system which will assist the committee work. We have such a proposal, one which will introduce economies, shorten schedules, lighten the load on our volunteers and expand international participation.

THERE IS A PERCEPTION that the IEEE Standards process is too restricted by procedures.

The reality is that the procedures that are in place are only those which are necessary to protect the integrity of the system, no more, no less. Constant vigilance over our standards activity, including meaningful applications of current technology, legal oversight to protect the due process in our system, editorial support for the development process, and leadership training for our standards writing groups, provide significant value to volunteers.

I differ from the view of Mr. Ray Alderman in his recent letter to the IEEE Region 8 News, in which he expressed dissatisfaction with the IEEE service. There are more than 30,000 volunteers working within our standards system, representative of our international membership, and they are doing a fantastic job. I would suggest that Ray will gain much more by applying his considerable talent to working within the system rather than outside it; we would welcome that.

International Broadcasting Convention: 15-20 September '94

By Mr. Basil W. Osborne

Meeting under its Chairman, Ray Hills, the Technical Programme Committee for IBC94 has formulated ambitious new plans which will expand the scope of the programme and reflect the needs of the changing industry which IBC serves. IBC 94, the International Broadcasting Convention, will be held in Amsterdam from 16-20th September 1994.

The concept of widely acclaimed practical workshop sessions pioneered at IBC92 will continue and cater for an even wider range of operational interests across the entire field of broadcasting, including radio, cable and satellite. New for IBC 94 will be a series of Panel Sessions in which a panel of invited experts will make short presentations on the foremost

issues of the day as a prelude to a lively and controversial discussion in which the audience will be encouraged to play a key role. These panels will address not only matters of broadcasting policy which influence the pace and direction of technological development, but will also include "market place" presentations of products, giving the audience the opportunity to discuss in open forum, features of the items concerned.. The paper sessions will remain as the authoritative forum for the presentation of leading edge developments in broadcasting technology, with speakers of international standing covering the entire spectrum of broadcast engineering and associated

subjects. In addition to invited papers on key topics, contributions will be welcome from all parts of the world.

Further information, copies of the call for papers and the exhibition prospectus may be obtained from the IBC Convention office: Tel: +44 (0)71 240 3839. Fax: +44 (0)497 3633 at the IEE in London.

IEEE Outstanding Student Counsellor Award

By Mr. D.H.F. Lennartz

Electrical Engineering in Space. On the conclusion of this outstandingly successful symposium, at which the Regional Director Professor Charles Turner acted as Chairman, there was a presentation of this prestigious award to ir. A.P. Verlijsdonk

Professor Turner, who presented the award, explained what it stands for. Toon Verlijsdonk, who was visibly touched by the attention given to the event; was so grateful that he thanked almost everyone in the audience personally, which of course, automatically prevented him from forgetting anyone.

An IEEE award presentation is no IEEE award presentation without a speech from the Regional Student Activities Committee Chairman, Dick Poortvliet, who made it quite clear that the recipient really did merit the award. Joop Janssen, Student Branch Eindhoven, told the audience why Toon chose the wrong profession and opined that he should have become an ambassador rather than an engineer; we should all be glad that he chose the latter profession.

ISCAS

30 May 94 - 2 June 94
LONDON

TECHNICAL PROGRAMME

All the topics normally associated with ISCAS will be addressed by talks and posters, as well as by keynote speakers, "birds of a feather" meetings and a plenary session. Paper presentations will be grouped into eight "tracks". Topics include: Communications & Visual Signal Processing, Linear Circuits & Systems, Analogue Signal Processing, Digital Signal Processing, VLSI, Computer-aided Design, Neural Systems, Nonlinear Circuits & Systems and Power Electronics & Power Systems.

ENQUIRIES

Robert Spence, EEE Dept., Imperial College,
Exhibition Road, LONDON SW7 2BT
Fax: +(44) 71 823 8125. e-mail iscas94@ic.ac.uk

United Kingdom & Republic of Ireland

(MTT/ED/AP Joint Chapter)

By Mr. Terry H. Oxley

The Chapter AdCom would like to draw attention to the following event of international interest:

- Workshop: "High Performance Electron Devices for Microwave and Optoelectronic Applications". Monday 18th Oct. 1993 at King's College, Strand London (Jointly organised by the UKRI Chapter and King's College)

The purpose of the workshop is to bring together scientists and engineers expert in compound semiconductor devices; they will present new results concerning advanced electron devices for microwave and optoelectronic applications.

Late contributions to the workshop may still be considered and prospective authors are invited to submit a 250 word abstract before 3rd Sept. 1993. The following topics will be welcomed: HEMTs and MESFETs, for both low noise and optoelectronic applications; HBT's for microwave and optoelectronic applications; High performance photodiodes; New optoelectronic devices; CAD modelling.

Contact: Dr. Ali A. Rezazadeh, Dept. Electronic & Electrical Engineering, King's College Strand, London WC2R 2LS. Tel: 071 836 2879. Fax: 071 836 4781

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

NEW TITLES FROM WILEY

Information Technology on the Move Technical and Behavioural Evaluations

G. UNDERWOOD, University of Nottingham, UK, F. SOMMERVILLE, Castle Rock Consultants, UK, W. HENGEVELD, Bakkenist Management Consultants, The Netherlands, and J.D.M. UNDERWOOD, University of Leicester, UK

The widespread availability of information technology now offers us new solutions to solve the problem of over-crowded, inefficient, environmentally damaging roads. By developing road infrastructures and vehicles that can communicate directly, RTI allows co-operative driving. Covering in-vehicle navigation displays, search techniques, radio messaging and radio data systems, this text describes how IT will improve the road system.

Wiley Series in Communications and Distributed Systems
0471-93850-5 app 254pp due Sept 1993 app £29.95/\$47.95

Road Vehicle Automation

C.O. NWAGBOSO, Bolton Institute, UK

This volume contains 28 papers presented at the *First International Conference on Road Vehicle Automation*. The field of RVA is making a significant contribution to improving road transport performance and IT and telecommunications offer the potential to provide automated solutions for increasing the performance, safety and reliability of road transport systems.

07273-1806-3 318pp June 1993 £55.00/\$90.95
Published by Pentech Press, UK, Marketed by Wiley

Teleworking Explained

Edited by M. GRAY, UK, N. HODSON, UK, G. GORDON, USA, G. HUDSON, UK, and R. PENNY, UK

Predicted as the way of the future, teleworking encapsulates a wide range of work activities, all of which entail working remotely from an employer. Advances in computer and communications technology are hastening the reality of teleworking and this book will provide essential guidance for both the organizational manager and the employee. The authors analyse the economics of teleworking, the problems of human resource management, and the technology for successful teleworking.

Wiley-BT Series
0-471-93975-7 app 304pp due Oct 1993 app £24.95/\$39.95

Atmospheric Remote Sensing by Microwave Radiometry

MICHAEL A. JANSSEN

A rapidly growing area, remote sensing is crucial to the effort of modelling the earth's atmosphere and collecting such fundamental data as temperature, wind pressures, water vapor distribution, clouds and other active constituents. This information enables us to test existing models of the atmosphere's energy balance, depletion of the ozone layer, climatic trends and other essential environmental data.

Wiley Series in Remote Sensing
0-471-62891-3 592pp April 1993 £79.00/\$110.00

Mobile Communications Design Fundamentals

Second Edition

WILLIAM C.Y. LEE, PacTel Corporation, USA

The most recent addition to the author's acclaimed series on mobile and cellular communications, this book offers designers, researchers and students an up-to-date, invaluable guide to the theoretical framework of mobile radio communications and how such systems are designed. With an abundance of new material, this *Second Edition* covers leading-edge Personal Communications Service (PCS), microcell, and CDMA systems.

Wiley Series in Telecommunications
0-471-57446-5 394pp February 1993 £49.50/\$68.95

Wiley books are available through major booksellers. Alternatively, order direct from Wiley (payment to John Wiley & Sons Ltd). Credit card orders accepted by telephone - (0243) 829121. Prices quoted here apply to UK and Europe only.

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BAFFINS LANE, CHICHESTER
SUSSEX, PO19 1UD, UK



Sweden

By Dr. Anders Demeryd

IEEE Awards

The highest IEEE award, the Medal of Honour, has been received by Karl Johan Åström for "Fundamental Contributions to the theory and application of adaptive control technology". Since 1965 Professor Åström has been in charge of the Automatic Control department of the University of Lund.

The IEEE Engineering Leadership Recognition has been presented to Percy Barnevik, president and chief executive officer of ABB Asea Brown Boveri Ltd. for "Managerial Leadership in Creating a Global Enterprise in the areas of Electric Power Apparatus and Systems, transportation and environmental technologies".

IEEE Fellows

We are also very pleased to announce that three of our members have been elected to Fellow Grade in 1993:

Åke Ekstöm at KTH Stockholm for "Contributions to high-voltage direct-current transmission system design"

Wolfgang Lampe at STRI, Ludvika for "Contributions to ac and dc insulation design of high-voltage transformers under polluted conditions."

Antonios Vlastós at CTH, Göteborg for "Contributions to the Understanding of Ageing in non-ceramic insulators"

EMC Chapter

Two technical seminars are planned for the autumn:

- In October at Saab in Linköping on high power testing at microwave frequencies.
- In November at SEMCO in Stockholm on EG standards for testing and certifying.

Please contact EMC Chapter chairman Peter Landgren on Tel:0586 81428 for further information.

PE Chapter

A meeting is planned for 20th October in Västerås. Please contact vice-chairman Jan Samuelsson on tel: 021 324966 for details.

MTT/AP Chapter

A one-day colloquium on experiences using commercial software for EM simulation of antennas and microwave circuits is planned for the autumn. Information on this and on other activities can be obtained from the MTT/AP Chapter Secretary Arild Moldsvor on tel: 031 772 1724

VT/COM Chapter.

Please contact Chapter Chairman Henry Scheffe on tel: 08 710 5684 or fax 08 710, for information on future activities.

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VT/COM Chapter.

Please contact Chapter Chairman Henry Scheffe on tel: 08 710 5684 or fax 08 710 P2011 for information on future activities
Continued on p 3.

Germany

By Prof. Dr. E. Handschin

The Second international workshop on Discrete Time Domain Modelling of Electromagnetic Fields and Networks will take place in the Berlin Excelsior Hotel, Berlin, from 28-29th October 1993. This workshop is sponsored by the German IEEE MTT/AP chapter and the German IEEE CAS chapter. Topics to be covered include: Finite difference time domain models, TLM models, Multidimensional wave digital filters, Cellular automata, Numerical integrators, Nonlinear time domain modelling of networks, Comparison of different techniques. Prospective authors are invited to submit a one-page abstract by 30th August 1993 to the conference secretary: Mr. Michael Krumpholz, Ferdinand-Brasun Institut für Höchsthochfrequenztechnik, Berlin Radower Chaussee 5, 0-1199 Berlin. Fax: 6392 2612.

It is a pleasure to inform you that the Power Engineering Society (PES) chapter of the German Section has been approved. The interim chairman, Prof. Dr. E. Handschin, has been informed that the effective date of this chapter formation is 18th March 1993. All IEEE members within the German Section are kindly invited to contact the interim chairman if they are interested in an active participation in the PES chapter. In particular, suggestions concerning topics of special interest very welcome. In general the PES chapter provides a closer link with the PES Society with respect to meetings both in the USA and worldwide. Furthermore, an exchange of lecturers may enable us to have more interesting meetings. The PES chapter will be a great opportunity to emphasise our power engineering activities within the international programme of the IEEE.

*Chapter Chairman: Prof. Dr.-Ing. Handschin,
Universität Dortmund, Lehrstuhl für
elektrische Energieversorgung, D-44221
Dortmund, Germany. Tel +49 231 735
2396. Fax: +49 231 755 2694.*

Grenoble - France 13-16 September 1993

ESSDERC '93

23rd European Solid State Device Research Conference

The ESSDERC Conference constitutes the most important European forum for the research and development of semiconductor devices and technology

ESSDERC '93, the 23rd Edition, will be held in Grenoble, one of France's most important scientific university towns and one of the most important cities for microelectronics in Europe

Conference Secretariat: Prof. P. Gentil, C.I.M.E./I.N.P.G.
ESSDERC '93, 46 avenue Felix Viallet, 380
38031 Grenoble Cedex 1 - France
+33 76 57 47 20 / +33 76 57 46 82
Fax: +33 76 57 45 02 - e-mail: essderc@cime.inpg.fr

ECOC '93

By Professor R.P. Salathé

The European Conference on Optical Communication will be held from 12-16th September in Montreaux, Switzerland. There will be 168 papers, 5 plenary, 21 invited, and 142 contributed.

The impact of photonic technology on networks and subcarrier multiplexing distribution, wavelength division multiplexing networks, optical space and wavelength switches, and fibre-optic subscriber systems including reviews of the fibre-to-subscriber plans in the US, Europe and Japan. Impressive new results, mainly based on optical amplifier technology at 1.5µm will be presented in several sessions focusing on high capacity and long distance transmission, submarine systems and coherent transmission systems.

The second main topic will be addressed in a number of sessions on fibre and waveguide components, advanced semiconductor lasers, fibre optic amplifiers and strained layer multiple quantum well lasers and amplifiers.

There are Seven tutorial courses; internationally recognised experts will lecture on tunable lasers, laser linewidth, strained layer multiple quantum well lasers, and scalable WDM networks. These tutorials are free to registrants; they will offer newcomers an introduction and a review of current research. There will be pre and post conference Workshops.

*Details from: Swiss Electrotechnical Association (SEV), PO Box, CH-8034 Zurich.
Tel: +41 1384 9111. Fax: +41 1 422 14 26.*

The Perfect Conference

By Bob Spence

Like you, I've been to many conferences. I have the scars to prove it. but there's a lingering feeling that the perfect conference has yet to be organised. In fact, I often speculate about its desirable properties.

The technical programme should, of course, be of high quality, But not arranged in thirty parallel sessions with delegates scurrying to and fro and remaining strangers. Rather, there should be just enough meetings to cater for the expected range of interests; plus one or two plenary sessions to give the delegates a feeling of being a member of one community, and a few provocative panel discussions to start useful arguments. Combined, if possible, with a selection of pre-conference tutorials to tell you all you ever wanted to know about chaos theory (or whatever) and didn't like to ask. For those of us permanently damaged through carrying 4,000 pages of Proceedings, perhaps a breakdown into more portable volumes based on area of interest?

Where should this perfect conference be held? Bitter experience tells me where it should not. Not for me that freezing student bedroom on a deserted campus in the middle of winter, or the vast impersonal hotel designed to accommodate thousands but located twenty miles from the nearest approximation to civilisation. How about instead, a building *designed* for conferences (a curious thought), and with easy access not only to each session room but, more importantly, to a "coffee-all-day-room" which serves as a social centre for all delegates and their friends. And where, instead of standing with the entire Proceedings weighing you down, you can actually sit with a cup of coffee and browse through the offerings of the book publishers?

Accommodation, of course, can be tricky. Some search for local flavour, sleeping beneath palm fronds, paying for drinks with sea shells and breakfasting on rice and banana leaves. Others home in, with pin-point accuracy, on the nearest Sheraton. Whatever, let it be relaxing, and located a short walk from the conference.

But, let's face it, it's the environment that often rates high, especially for partners. Indeed, one eminent mathematician chose most of his conferences for *where* they were held, complimenting one conference's technical programme by turning up in what he declared was the most boring conference venue he had ever experienced. Again, bitter experience eliminates the idyllic seaside village with only one restaurant, and the impoverished campus catered exclusively by (failed) students of cookery. My ideal venue - but this is obviously wishful thinking - would be two minutes walk away from at least fifteen cafes, ten restaurants, twelve bars, three theatres, 40 shops, a piazza and plenty of historic sites - not for me, you understand, but for my wife to enjoy while I'm toiling away from dawn to dusk at the conference. And how about a good banquet with witty speeches?

That's my wish list for the perfect conference. But, goodness me, how extraordinary I've just found out where it is being held. It's ISCAS '94 - the IEEE's International Symposium on Circuits and Systems. The venue? The New Connaught Rooms (I hadn't heard of them either, but you'll like them).

The environment? London's lively Covent Garden area. Historic sites? Plenty, mostly in close proximity to "liquid history", as John Burns once called the River Thames. Hotels? Close by, plenty, of high standard and inexpensive. The banquet? In London's 1000 year old Guildhall, with enough historic interest to satisfy a fanatic. But, most of all, a high quality technical programme to ensure the stimulating and refreshing interaction of professionals that a conference is all about. I haven't any excuse to miss it. Where's next years diary? 30th May to 2nd June 1994. A good thing Harrods is at least a bus-ride away.

UKRI Heats for Student Paper Contest



The photograph on page 10 of the May Region 8 News was incorrect, the correct one is shown above. Mr. David White, winner of the UK heats of the Region 8 Student Paper Contest. A student member from the University of Hull



**Montreux
Switzerland**

**September 12-16
1993**

**Exhibition:
September 14-16**

**Post-Deadline
Papers due
August 31**

**19th European Conference on
Optical Communication**

For the conference programme and pre-registration
please contact:

Swiss Electrotechnical Association, P.O. Box,
CH-8034 Zurich, Switzerland,
Phone +41 1 384 91 11
Fax +41 1 422 14 16



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Region 8 Conference Record

Brighton, England 13-15 December 1993

Seventh IEE European Conference on Mobile & Personal Communications

MPC '93 Secretariat, IEE Savoy Place,
London WC2R 0BL, England.
Fax: +71 497 3633

Zurich, Switzerland 8-11 March '94

International Zurich Seminar on Digital Communications

Werner Bächtold, ETH, CH8092 Zurich.
Fax: ++41 1 261 1026.
E-mail: ifhbae@czheth1c.bitnet

University of Keele, UK 5-7 April 1994

SRS '94 - Storage & Recording Systems

SRS '94 Secretariat, IEE Savoy Place,
London WC2R 0BL, England.
Fax: +71 497 3633

Manchester, England 5-7 Sept. 1994

Electromagnetic Compatibility

EMC '94 Secretariat, IEE Savoy Place,
London WC2R 0BL, England.
Fax: +71 497 3633

London, England 30 May-2 June 94

ISCAS '94

Robert Spence, EEE Dept., Imperial College,
Exhibition Road, London SW7 2BT
Fax +44 71 823 8125.
e-mail iscas94@ic.ac.uk

University of York, UK 3-5 Oct. 1994

FACTORY 2000: ADVANCED FACTORY AUTOMATION

FAC '94 Secretariat, IEE Savoy Place,
London WC2R 0BL, England.
Fax: +71 497 3633

Montreux, Switzerland 12-16 Sept. 1993

19th European Conference on Optical Communication

Swiss Electrotechnical Association, PO Box,
CH8034 Zurich, Switzerland.
Tel: +41 1 384 91 11. Fax +41 1 422 14 16

Toulouse, France 2-6 May 1994

Third French Conference on Acoustics

Secrétariat 3c CFA Université Toulouse-le-Mirail,
5 allée A. Machado, 31058
Toulouse-Codex, France

Davos, Switzerland 31 May - 2 June 1994

ISPSD '94 Sixth International Symposium on Power Semiconductor Devices & ICs

Prof. Wolfgang Fichtner, Integrated Systems Lab., ETH
Zentrum, CH-8092 Zurich, Switzerland. Tel: +41 1 632
5333. Fax. +41 1 252 0994. E-mail.fw@iis.ethz.ch.

Edugraphics '93

First International Conference on Graphics Education

Compugraphics '93

Third International Conference on Computational Graphics & Visualisation Techniques

Hotel Alvor Praia, Alvor, Algarve, Portugal.

6-10th December 1993

Details from: Prof. Harold P.SANTO, Dpt Civil Engng -IST
Av. Rovisco Pais, 1096 Lisboa Cedex, Portugal.
Tel. & Fax. +351 1 848 2425. Email: d1663@beta.ist.utl.pt



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