From the Regional Director

For more than thirty years the Directors of Region 8 have consistently improved the services provided for members. We are greatly indebted to Charles Turner for the distinguished leadership which he has shown during his two years as Regional Director, a standard of leadership which it will be difficult to maintain. The Regional Director is supported and guided by a group of appointed or elected representatives with experience in the many facets of IEEE management, half of them are past directors.

The number of Sections in our region is steadily increasing, partly as a result of recent changes in Eastern Europe; the number of Chapters too is increasing in many countries. For most members in our region, IEEE publications are of the utmost importance in their professional work; they are the prime reason why members join the IEEE. The professional image of the IEEE in our Region comes from technical and scientific meetings organised by the Sections and their Chapters, from large scale international conferences organised by the technical Societies and from scientific and technical publications.

The Region is administered by a Committee consisting of the Chairman of each of the Regional Sections, together with a number of elected specialists in the many facets of IEEE administration. The Committee is very much concerned with increasing the number of members in Eastern Europe; however, due to the low incomes of professional engineers in these countries it is very difficult for them to afford the normal membership fees, and even the reduced fees for those with annual income less than $US 8,000 are not affordable. The Regional Committee and the Technical Societies are creating special programmes for supporting sections or individuals in these countries... In 1993 Region 8 obtained approval from the Board of Directors for the collection of individual donations to support these programmes. For the same purpose Region 8 will contribute an amount equal to the individual donations (up to $US 10,000). In 1994 we also supported the establishment of a joint IEE/IEEE office in Budapest, and the shipment of donated issues of IEEE publications to Technical Libraries in East European countries. Applications from Sections with limited financial resources are particularly welcome. Special projects can also be supported at the Regional Director’s discretion.

Many electrical engineers live in the Middle East and Africa, but for a variety of reasons it is difficult to extend IEEE membership to many in those countries. It is my hope that in the future we shall be able to serve better all the countries of the Middle East and Africa; the Africa and Melicon conferences serve this purpose well, but other methods must be developed.

Membership of IEEE is attractive for students; for only $US 36 annually they may join two IEEE Technical Societies and thereby receive a continuous flow of up to 36 issues of IEEE publications. When students graduate they should be aware of the graduated membership fee programme, which brings them up to the full fee in five years. If the automatic renewal system permits them to jump directly to the highest fee, the section Membership Development officer should be notified. If you have thoughts about the issues mentioned above, or you feel that other matters are not handled properly, send me a note by fax or E-mail, or contact your section committee. All Sections/chapters are encouraged to establish an E-mail network for effective communication among their members.

Every section presents their concerns and successes at the Regional Committee meeting, held twice a year. The Committee can ask the Regional Director to raise key issues with the Board of Directors, which meets four times a year. The IEEE President is elected for only a one-year term and the Directors for two years; consequently the "forgetting-factor" is rather high on the Board; most directors, coming as they do from the US, do not understand the special conditions present in regions 7 to 10. It is an obligation of the Regional Director carefully to follow the discussions and decisions of IEEE bodies and to ensure that our Region is treated properly. As Director-Elect I have already taken part in several of these meetings and I hope that I am now prepared for the forthcoming strategic planning discussions.

As a member of the IEEE, you will have professional, technical and scientific support to face the challenge of an interesting engineering career. I wish you a happy and prosperous New Year!

P. Martin Larsen
Director
High Capacity Optical Transmission Explained
Edited by D M SPIRIT, BT Laboratories, UK and M J O'MAHONY, University of Essex, UK
The recent development of optical fibres has brought marked changes in transmission technology, the most dramatic of which is the extremely low loss and high bandwidth of the transmission medium. Covering the most up to date research, this book provides practical advice on the design and implementation of advanced fibre systems. The authors focus on issues which are specific to high capacity optical systems and aim at the practising communications engineer.
0471 983117 X January 1995 256pp £29.95/$47.95

Total Area Networking
JOHN ATKINS and MARK NORRIS, both of BT Laboratories, UK
This highly readable work details the very latest advances in data communication networks. The authors trace the developments in ATM, frame relay, SMDS and LAN technologies. The features, performance and relevance of each technology are evaluated and practical applications are detailed. Looking ahead to the future of data communications, the book concludes with an examination of how networks will develop into the next century.
0471 984482 2 April 1995 225pp £21.95/$35.95

Electronic Component Reliability
Fundamentals, Modelling, Evaluation and Assurance
F. JENSEN, Reliability Consulting Aps, Denmark
The first title in a new series, this text approaches the quality and reliability of electronic components from a unique standpoint. Traditionally, the twin subjects of reliability physics and reliability statistics have been treated as separate entities. Here, the author examines both areas and reveals how physics and statistics can determine how components fail and how failures develop over a period of time. Important reliability terminology and concepts are identified and the three key areas of modelling, evaluation and assurance are also examined.
Wiley Series in Quality and Reliability Engineering
0471 929856 6 February 1995 300pp £38.95/$62.95

A major new looseleaf reference work...

Electronic Components
Selection and Application Guidelines
by Victor Meeedi
The electronics engineer is faced with thousands of choices when selecting the proper electronics component for a new design or replacement part. This essential guide gives proper guidelines to aid this process, in order to reduce costs, avoid component over- and under-specification problems and understand device parameters. Details of where to find suppliers of parts, including 'obsolete' devices for older systems. Data from hundreds of catalogs, reference books, textbooks, newsletters, trade papers and journals. Fully self-contained. Countless photographs and illustrations
Special Offer Now Extended...
Orders by 31 March 95: £285.00/$395.00
Orders after: £325.00/$450.00
(Price includes the first update)
0471 02287X February 1995 1200pp

Honours and Awards
By Professor E. Folke Bolinder
IEEE HONORARY MEMBERSHIP to:
Lars Henry Ramquist (Non-member)
President and Chief Executive Officer, LM Ericsson, Stockholm, Sweden. "For distinguished and far-sighted leadership of the Ericsson Group in a period of rapid technology change and market development"

IEEE MEDALS
Richard W. Hamming Medal to:
Jacob Ziv (FIEEE)
H Gross Professor of Electrical Engineering, Faculty of Electrical Engineering, Technion-Israel Institute of Technology, Haifa, Israel. "For contributions to information theory, and the theory and practice of data compression" and
IEEE Heinrich Herz Medal to:
Jean Van Bladel (LF IEEE)
Professor of Electromagnetism and Acoustics, University of Ghent, Ghent, Belgium "For major contributions to fundamental electromagnetic theory and its application to electrical engineering"
NEWS FROM THE
SECTIONS

Germany
By Prof. Dr. E. Handschin

The German Section Executive Committee held its last meeting on September 13th 1994 in Munich. Mr. Cain, the Institute’s president elect, presented the following five items of the IEEE strategic paper: this Section supports those aims.

1. Raising the educational qualifications for IEEE membership.

2. Developing the IEEE into an international organisation which will cooperate with the national Societies.

3. Improving the IEEE administrative organisation.

4. Converting the IEEE documentation to electronic media.

5. Protecting the public interest and emphasising the public responsibility of the IEEE.

The Section Membership increased by 10% during the last year. The executive committee is devoting much of its effort to addressing new members in order to have a wide and strong platform for the IEEE activities with the German section. The Advanced Technology Society is planning a new chapter in the near future within the German Section.

Cooperation with the German electrical engineering association (VDE) will be further strengthened; the President suggested in a letter to VDE, that there should be a common IEEE-VDE workshop dealing with standards. The following conferences are sponsored by the Section.

• 11th International Symposium on Visual Languages (VL’95) from 4-8th September 1995, will be held in Darmstadt.

• IEEE Workshop on Optical Access Networks will take place from 24-27th February in Nürnberg.

• International conference on Distributed Platforms will take place 27th February to 1st March in Aachen.

• 4th international symposium on Spread Spectrum Techniques and applications will be held on 22-23rd September ’96 in Mainz.

Further information concerning these meetings may be obtained from the Section Conference Officer, Prof. Dr. H. Ney, Technical University of Aachen, Tel: (0241) 80 21 600.

The second workshop on Hierarchical Test Generation will take place from 24th - 26th September 1995 at the premises of the microelectronics technology park near the Gerhard-Mercator University in Duisburg, Germany; the general chairman is Prof. Dr. W. Geiselhardt and the programme chairman is Mr. Th. Vierhaus, Gesellschaft für Mathematik und Datenverarbeitung, PO Box 1316, D-53731 St. Augustin, Germany. Tel. (02241) 142 633. To maintain the focused format of the workshop, participation will be limited. Interested participants should apply not later than April 28th 1995 to the programme chairman, summarising their background and their interest in hierarchical test generation. Notification of the acceptance will be sent out on 19th June 1995. The overhead foils must be submitted not later than 1st September 1995.

Section Chairman: Prof. Dr.-Ing. Adolf J. Schwab, Kaiserstrasse 12, 76128 Karlsruhe, Germany. Tel: +49 721 608 2520. Fax: +49 721 69 52 24. E-mail: schwab@eh.etec.uni-karlsruhe.de

U.K.R.I.

MTT-ED-AP-LEO Chapter
By Mr. Terry H. Oxley

The following officers have been elected, or re-elected, for the term of office ending December 1995:

Chairman: Terry Oxley - Private Consultant
Chairman-Elect - Neil Williams - ERA Technology Ltd.
Treasurer: Roger D. Pollard - University of Leeds
Secretary - J.A. Carson Stewart - Queens University, Belfast
Publicity - Steve Nightingale - Thorn EMI Electronics Ltd.

Six events held during October to December 1994, completed the Chapter activity schedule of fourteen events for the 1994 calendar year. Full-day meetings included:

• Workshop on "CAE Modelling and Measurement Verification" at the Wembley Conference Centre London, on 24th October. This was held in conjunction with "Microwave ’94" and in cooperation with the MTT Society and the national IEE. The event successfully combined an excellent technical programme with good organisation. The one-day programme opened with a keynote address by Linda Katehi of the University of Michigan, followed by a coffee-break poster session, and then moved to parallel sessions incorporating some 24 papers. A second keynote Address by Steve Tucker, from Hewlett Packard, introduced the afternoon presentations. The fifty-five delegates enjoyed a well balanced interactive discussion forum.

• Chapter Booth at Microwaves ‘94. This was held by courtesy of Nexus Business Communications Ltd., ERA Technology Ltd., and Thorn EMI Electronics Ltd. Members of the Chapter AdCom attended the booth. The event prompted many IEEE new membership application enquiries.

• "Devices for Microwave and Optoelectronic Applications" at King’s College, London. This was organised jointly with King’s College in cooperation with the ED Society, the MTT Society and the national IEE. The one-day programme presented eighteen papers with many overseas contributions. The event was considered by the delegates to have provided an excellent technical programme with informative interactive discussion.

1995

The 1995 activities programme is almost finalised. Currently some eleven events are planned. Events of international interest are summarised below:

• A Modular "Microwave and Millimeterwave Short Course", 3rd-5th April. Contact: Dr. J.R. Richardson, Electronic & Elec. Eng., The University of Leeds, Leeds LS2 9J1, England. Tel: +44 113 233 2010. Fax: +44 113 233 2032. E-mail: jrr@elec-eng.leeds.ac.uk

• "EDMO ’95 Workshop on "High Performance Electron Devices for Microwave and Optoelectronic Applications". 27th November ’95 at King’s College London. Contact: Dr. A.A. Rezazadeh, Electronic & Elect Eng, King’s College London, WC2R 2LS. Tel: +44 171 873 2879. Fax: +44 171 836 4781.
A symposium on "Microwave & Millimeterwave Communications", 29-30th November 95 Kings College London. Contact: Dr. S.J. Nightingale, Thorn EM Electronics Ltd, Sensors Division, Manor Royal, Crawley, W.Sussex RH10 2PZ UK. Tel: +44 1293 644575. Fax: +44 1293 542812.

Finally: A Symposium for the Presentation of Research Student Papers, is being planned for the Autumn of 1995 at Queen's University Belfast. Contact: Professor J.A.C.Stewart, Dept of Electrical and Electronic Engineering, Ashby Building, Stranmillis Road, Belfast BT9 5AH. Tel: +44 1232 335440. Fax: +44 1232 662135.

Chapter Chairman: Mr. Terry Osley, "Tremont", Back Lane, Halam, Southwell, Newark, Notts NG22 8AZ England. Tel: +44 1606 815550. Fax: +44 1636 815865.

Israel

By Professor Ady Seidman

The 18th Convention of IEEE Israel. Some 150 papers were submitted to the 18th Convention of Electrical and Electronic Engineers, to be held in Tel Aviv from 7-8th March 1995. The papers will be published in English in the Conference Proceedings.

Key speakers include Dr. Irwin Jacobs, CEO and Chairman of the Board of Qualcomm Inc., and Dr. Charlie Cox of the M.I.T. Lincoln Laboratory. For an advance programme and registration information, please contact: IEEE, Dept. of Electrical Engineering, Tel Aviv University 69978, Ramat Aviv, Israel.

Section Chairman: Prof. Ady Seidman, Tel-Aviv University, Faculty of Engineering, IL 69978 Ramat-Aviv, Israel. Tel: 00972 3 640 7559. Fax:00972 3 642 3508. E-mail: seidman@eng.tau.ac.il

Saudia Arabia

By Dr. Khaled H. Biyari

The Saudi Arabian Section has continued its activities. The Section is organizing the second "Technical Exchange Meeting" for members of the Section. This will be held on 30th May 1995. The purpose of this meeting is to discuss topics of special importance to electrical engineers in the Kingdom. A similar meeting held last year was very successful in bringing together people from industry and academic institutions.

We have continued our seminar activities by sponsoring monthly events. Additional seminars and dinner meetings are being planned.

Approval has been received from Headquarters for the formation of a Student Branch at King Fahd University of Petroleum & Minerals; a new Power Systems chapter has been formed. Chapter activities are coordinated by Mr. Mohammed Al-Mubarak of Saudia Aramco. The petition to form a Communication Systems chapter has been sent to Headquarters for approval.

Section Chairman: Dr. Khaled H. Biyari, PO Box 711, Dhahran 31261. Tel: 966 3 860 4263. Fax: 966 3 860 3335. E-mail: k.biyari@ieee.org

France

By Mme Frédérique Vallée

- OCEAN CITIES. First International Symposium on Ocean Cities, Nov. 1995, 20th-23rd Monaco. Deadlines: February 1995 (Submission of abstracts) - 31 August 1995 (Submission of texts). The aim of the "Ocean Cities" workshop is, first, to develop a schedule of events to be adopted and, second, to set up an international lobby capable of taking on and putting into action a large-scale programme of this type. The symposium's objectives are: 1) to produce a comprehensive assessment of ocean city projects already in existence around the world; 2) to provide a forum for international promoters of ocean city projects to meet; 3) to identify the necessary conditions for the construction of hygienic, safe and environmentally sound ocean cities; 4) to identify the technical challenges presented by ocean cities, such as equipment, energy, communications and biology; 5) to enable the specialists designated to resolve these problems to work as a team, 6) to predict the role of ocean cities in society, the problems they may pose for humanity and to propose solutions, 7) to evaluate the current and future financial viability of ocean cities 7) to examine the feasibility of their industrialisation, 8) to identify legal, judicial and other obstacles which might impede the development of ocean cities, 9) to establish a convincing argument as to precisely what contribution ocean cities can offer towards solving the problems of global living conditions, (inf. : Ocean Cities '95 General Secretary, SEE, 48 rue de la Procession, 75724 Paris Cedex 15 - Phone : 33 1 44 49 60 60 - Telex : SEE 200565 F - Fax : (33) 1 44 49 60 44).

- JICABLE'95, 4th International Conference on Energy Insulated Cables, organized by SEE, June 1995, 26th to 30th, in Versailles, France.

We have pleasure in announcing that the Computer Society will sponsor the 1995 Workshop on On-Line Testing, 4-5th July 1995, in Nice, France.

NEWS IN FRENCH


- "Le 4ème Programme cadre de la Recherche de l’Union Européenne" par M. Pierre Lepetit, directeur de la Coopération à Thomson, le 15 mars 1995.


- "L’organisation et le point des normes principales en électronique" par M. Marcel Thue, Ingénieur Général des Télécommunications, le 10 mai 1995.


Ces conférences auront lieu à 17h, dans la salle n° 11 de la FIEE, située au quatrième étage du 17 rue Hamelin, PARIS 16ème - Secrétariat : Mme Birckel 46 07 40 77 - Metro Boissiere ou Iena. L’entrée est gratuite, des rafraîchissements sont servis pour clore agréablement la séance.

CONFÉRENCES ORGANISÉES PAR LE CHAPITRE EMC


Amongst the projects on which I shall be working are:

• An awareness of the activities of the EE and CS students will be heightened. One immediate project will be the regular incorporation of IEEE information and application forms through internet groups, which are used mostly by students.

• More student tours which will be mostly of a tourist nature, but which have no student branch. The goal is to have a student branch in all Region 8 EE departments.

• Chairmen of all student branches will be informed by sending material and holding workshops on the operation of their branches. The Deans of the Schools and the Chairmen of Departments will be asked to include the IEEE regularly in their departmental orientation programmes for freshmen and the more senior students. The traditional student paper contest will be expanded to include a best student software contest and best student design contest.

• Volunteer student representatives will be in those institutions which have no student branch. The goal is to have a student branch in all Region 8 EE departments.

• The Deans of the Schools and the Chairmen of Departments will be asked to include the IEEE regularly in their departmental orientation programmes for freshmen and the more senior students. The traditional student paper contest will be expanded to include a best student software contest and best student design contest.

• Information regarding university exchange programmes will be compiled and sent to student branches.

Student Activities Chairman: Dr. Levent Onural, Electrical Eng. Dept. Bilkent University, R-06533 Ankara, Turkey. Fax: +90 312 2666 4126. E-mail: onural@ee.bilkent.edu.tr

FINLAND

by Arnoo Lehtola and Jari Jokiniemi

A Section A Annual Meeting was held on December 16th 1994 in the Parliament House of Finland. The major changes made to our old byelaws are (1) The committee will be extended to include chapter chairmen as members. (2) The Section Executive Committee will be elected for a period of two years instead of one. 3) The voting members needed to set up a committee list are decreased from 5% to 3% (4) The election schedule will be one month earlier in order to allow the new Executive Committee to be elected in time, should a postal ballot be necessary.

Discussins at the meeting included membership development, adding technical institutes to the Recognised Educational Programmes list, increasing EDS activities. Cooperation with national technical societies, and the election of the new executive committee

Chairman: Dr. Jorma Lilleberg. Tel: +358 81 888 6139. E-mail: Jorma Lilleberg.
Secretary: Tero Ojanperä, Tel: +358 81 888 6285. E-mail: TIO@nmpou.nmp.nokia.com. (Continued on p6)
Letter To The Editor

Montreal Quebec

Dear Mick,

Through your Region 8 News I should like to thank all the members of Region 8 for their encouragement and support during the recent IEEE election. As your President for 1996, it will be an honour and a pleasure to work with Director Peer Martin Larsen in furthering the aspirations in your corner of the IEEE world.

In the meantime we must not slacken our efforts to make the IEEE an exciting and pleasurable environment for all those wishing to take part in its activities. I know President Tom Cain and Past President Troy Nagle will be pushing hard in 1995 to pursue the goals set forth in our strategic plan. I too shall be enthusiastically supporting that effort. Our new plan places a great deal of emphasis on the recognition of the IEEE as a truly international organisation. But, that image and that reality must not be mistaken for a cry for greater centralisation of control over our activities. On the contrary, we must protect local authority, cater for local interests, improve local services and encourage and empower Sections and Chapters to do more for themselves. Let us remove any handcuffs that impede member performance at the local level, for it is through participation in IEEE activities that we learn the Institute's true value; it is in achieving successes by working with peers in our profession that we derive great personal satisfaction.

We live in a world that has reached its advanced state because of the contributions of our technologies and our profession. Let no-one underestimate that fact. Each of us needs to be proud of an association with that record and be prepared to do more. I look forward to working with each of you in meeting the challenges in store for us tomorrow. Thanks again for the opportunity.

My very best wishes to you and your families; sincerely

Wallace S Read (1995 President Elect)

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France: Continued from page 4

"PARIS - SUP TELECOM" 10 Mai 1995
ANTENNE ET TRAITEMENT DE SIGNAL
Journée d'étude dédiée aux interactions entre le traitement du signal et les capteurs en particulier l'impact sur l'architecture des sous réseaux - Langue française.
Renseignements: SEE, Rue de la Procession 75724, Paris
Tel: +33 (1) 44 49 60 00 - Fax: +33 (1) 44 49 60 49

Surplus IEEE Publications for East Europe

The response to the Region 8 appeal for donations of IEEE publications no longer required by members has been very encouraging. The first shipments are now under way and we intend to continue the scheme as long as it produces useful results. Please let me know if you are willing to provide IEEE journals to help libraries in Sections which are short of recent issues. Region 8 is willing to bear the cost of shipping if necessary.

Prof. C.W. Turner, Dept of Electrical Engineering, King's College, Strand, London England WC2R 2LS. Fax: +44 71 836 4781

I wish to donate to a library in East Europe, publications for which I no longer have a need.

Title, Initials and Name

Address

Fax No.
Instructor of Technical Writing/Communication.
Manager of Large Technical Literature Projects.
Manager of Technical Documentation Departments.
Senior Editor/Writer.

IEEE Associate Member since 1986 seeks permanent position. Able to relocate, single, no dependants, enjoy other cultures and learning other languages. Native Speaker of American English, able to read Engineering specs in both German and French (I have also studied Arabic, Hindi, Urdu, Panjabi, Swedish, Spanish, and Hungarian); 8 years experience in Switzerland, Germany, and France; specialties include Computers (HW/SW) and Controls (HVAC under PCs and UNIX).

Among other projects, I managed the documentation set for a NOTES/e-mail system for the World Economic Forum (DEC) and co-ordinated the documentation for the HVAC system at the München airport (Honeywell). Other clients have included HIP, Bull and Rayovac.

I earned a Ph.D. in Linguistics from the University of Wisconsin - Madison and taught in the Electrical and Computer Engineering Dept. here for four years. I edited for Harvard Press for 3 years. I am conscientious, a hard-worker, able to make difficult decisions, and enjoy learning new technologies/subjects.

I presently hold permanent German residency and a German work permit; I am a US citizen.

For more information or a CV and references by return mail, please contact:

Dr. Carrie Estill
Auberge de la Rabette
France - 78120 Clairefontaine-en-Yvelines
telephone: +33/1-6981 6973
fax: +33/1-6981 6901

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Saudi Arabia West
By Dr. Mehoob E. Ansari

We have written several letters to Jordan in an attempt to establish a sub-section, but without any tangible result. Members in Jordan are requested to co-operate with Mr. Mehoob E. Ansari, Section Secretary to form a sub-section so that Jordan members also could be represented in Region 8.

Several seminars were arranged during 1994 but the most successful and significant was the seminar on "Solid Waste Management Systems". It was held in the Hotel Intercontinental, Jeddah.

An IEEE members annual dinner will be held on 31st January 1995 in the Hotel Intercontinental, Jeddah; with a keyword speech by Eng. Mehoob E. Ansari on "Airport Meteorological System Upgrade design for King Abdulaziz International Airport, Jeddah. All members are cordially invited.

Section Chairman: Dr. Mahamed A.I. Turki, PO Box 771, Jeddah 21423, Saudi Arabia. Fax: +966 2 669 0256
Tel: +966 2 665 1686.