

IEEE

Region 8 News

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Europe, Middle-east and Africa



Editor

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From the Regional Director

Hallo, Hallo!

The primary reason why electrical engineers in Region 8 join the IEEE is to obtain personal access to its Publications and Standards; a secondary reason is to participate in Meetings and Conferences. Membership growth in the Regions outside the North America has strengthened the international image of the Institute, and membership of the IEEE is considered a recognition of professional status.

Increasing the Number of Chapters

In order to serve the needs of members living in those countries that make up the Region, the Societies and the Regional Committee encourage the establishment of both new chapters and new sections.

According to the Bylaws a petition for the formation of a section shall be signed by at least 50 members other than students. The Director will only recommend the formation of a section when there is a group of members able to stimulate support sufficient to ensure the viability of the proposed section.

Twelve signatures are sufficient for the establishment of a chapter, provided that there is a section willing to approve it. In countries where a section is not established, it is possible to associate a chapter with a section in a neighbouring country.

In September the Electronic Devices Society invited all chapter chairs to a Region 8 Chapters meeting in The Hague. Of 25 EDS Chapters 17 are joint chapters with the Antennas & Propagation Society the Microwave Theory and Techniques Society and/or the Communications Society. Within the last year six new chapters were formed in East European Countries, where interest is high; the difficulties of paying membership dues are obvious.

The Region 8 Committee wishes to strengthen section and chapter activities in the Region. International workshops are already organized by many Societies, but Workshops and Summer Schools could be joint ventures between the Region, the

sections and the Societies, the Chapters being responsible for the technical level. By choosing the location for such events carefully, it should be possible to attract participants within a radius of 100 km for a workshop or summer school, thereby reducing transportation costs. The topic for these events must be central to the chapter in charge, and the programme must include local specialists as well as Distinguished Speakers from the relevant Society. Budapest, Prague, St. Petersburg and Warsaw might be suitable locations. All sections and chapters could consider this proposal; comments would be welcome.

Organisational Improvement

All sections have received the material prepared by the IEEE for improving the Institute's organisation; the Regional Director has had some feedback from the section chairs at the last Regional Committee meeting. From the members' point of view, membership services, including renewals, publications and meetings are essential. The organizational structure of the higher levels of the IEEE is of minor interest so long as the Member Services are performed effectively. With the consequences of the reorganization of the IEEE Information System clearly in mind, radical changes in the Organizational Structure must be avoided. We are convinced, that the present structure must remain unchanged, and that minor modifications to the its organisation will accomplish the desired objectives regarding Membership Services.

The final choice among the four scenarios will be made by the Board of Directors in December 1995; membership renewal procedures too should be investigated. How can the peak load in October - December be distributed throughout the year? Rolling membership periods can easily be administered in a modern Information System. If desired, journal back issues could be provided from the begin-

ning of a year; the membership period would then be the calendar year. If membership dues are not paid in time, for the following three months a member should be reminded twice, during which period full services would be maintained. In this way termination of membership would be made quarterly, and all members would pay full annual dues and fees.

The Brussels Office

The aim of the IEEE "Satellite" offices in Brussels is to decentralize membership services. For Region 8 members it is attractive to contact the Brussels office, provided that there is an "on-line" operational connection to the Information System in Piscataway. It must be possible to change society memberships and subscriptions fast and effectively, to obtain instant information about membership status and to order publications and Press Books from stock in Brussels. The Brussels office staff should be increased but in the long term, decentralisation would reduce the cost of Membership Services.

Editorial Committee for Region 8 News

The Region 8 Committee has for some time discussed ways to support the Editor of Region 8 News, Mick Byford in his remarkable efforts to improve the content and the layout of the "News". It was decided that an Editorial Advisory Committee should be formed in order to assist the Editor by providing material of interest to R8 News readers. Mick Byford has demonstrated a remarkable dedication to the development of Region 8 News, but we must be prepared in due course to find a successor.. I strongly encourage members in our Region to volunteer for service on the Editorial Advisory Committee.

EDS Region 8 Chapters Meeting

The IEEE Electron Devices Society invited all chapter chairs in Region 8 to the 3rd Chapters meeting in The Hague on September 24 1995 - held in conjunction with the European Solid-State Device Research Conference. As the EDS has had

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The Undergraduate Student Paper Contest 1996

The contest will be associated with MELECON 96 in Bari, Italy, May 13-16th. Submissions must reach me by 15th December. An international jury will judge and rank the papers; the authors of the best will be invited to Bari. The travel and accommodation expenses of one author for each invited paper will be paid by Region 8. The winners of the 1995 contest were:

1st - "Analog Design and Realisation of a Kohnen Map using SOI> Technology" by Henri de la Valle Poussin and Thierry Delmot - Belgium.

2nd - "The Use of Acoustic Resonance in Measuring the Level of Fluids" by Denis Donlagic - Slovenia.

3rd - "Non-linear Perceptual Post Processing of Noisy Digital Pictures" by Olivier Bruyndonckx, Belgium

Communication

The communication problem was the principal issue at the spring '95 meeting of the SAC. If you are willing to construct your own web-page and do not have sufficient disk capacity, please contact sb.bilkent@ieee.org

Student Branch Grants

Region 8 allocates funds to support student activities in the Region; if you have plans for some activities and you need additional funds, please apply to me in advance - at least two months notice is necessary.

Lend a Hand

For a variety of reasons there may be students with no branch; would you be willing to lend them a hand to prepare the initial paperwork so that they could form a branch; you could receive \$200 US for your own branch.

Chairman Student Activities: Prof. Levent Onural, Electrical Engineering Dept., Bilkent University TR-06533 Ankara, Turkey. Tel: +90 312 266 4307. Fax: +90 312 266 4126 E-mail: l.onural@ieee.org

Turkey

By Dr. Ayhan Altintas,

Much to our regret, our Section Chairman Dr. Mehmet Ali Tan had to leave our Section; since he has obtained a new job in California. We wish him all the best in the New World, and we will remember him for all his dedicated work for the IEEE Turkey Section.

Two important pieces of news for our section are the awards received by our members, Prof. Bulent Orencik (from ITU Istanbul) has received the Outstanding Branch Counsellor Award and Mr. Ayhan Bozkurt (from Bilkent University, Ankara) has received the Larry K. Wilson Award.

The student branch at the University of Bahrain was approved by the Regional Activities Board a few months ago. The Branch has organised some activities and is planning others as listed below.

Previous Activities

- Seminar on "World Wide Web & the Information Super Highway"
- A visit to the Power Station of Bahrain Aluminium Company - ALBA.
- A visit to ABB ARESCON E.C. for process automation in Bahrain

Forthcoming Activities

A visit to King Saude University in Riyadh (Saudi Arabia) will take place either in November 1995 or April 1996. The programme will be as follows:



- Visiting the research centre at the University
- Visiting the Al-Janadriya earth station in Riyadh, for the ARABSAT satellite
- Visiting the Advanced Micro-electronic Company at Riyadh
- Holding some meetings with IEEE Student Branch members at the University

Some members will be sponsored to attend the first **Bahrain International Conference on Computers in Industry**. Between 6-8th November 1995.

Scheduled seminars every two weeks starting from October 1995; presented by University Instructors, Engineers from Industry and the branch students.

Scheduled visits to various companies. Currently the branch is working on the organisation of the "First Student Projects Symposium on Electrical, Electronics Engineering and Computer Science"

which will take place on 2nd May 1996. The branch looks forward to joint cooperation with other student branches, especially in GCC. countries. Student Branch Chairman: Mr. Jassim Al-Hamad, University of Bahrain, College of Engineering, Dept of Electrical Engineering, PO Box 32038, Isa Town - State of Bahrain. Tel: 688308. Fax: 686300



**International Conference on
Technology Management:
University/Industry/Government
Collaboration - UnIG '96**
June 24-26 1996, İstanbul, Turkey

Organized by:
UNESCO Chair on Mechatronics at Boğaziçi University,

Under the Patronage of
His Excellency Süleyman Demirel,
President of the Republic of Turkey

Within the Framework of:
UNESCO UNISPAR (University-Industry-Science Partnership)
Program

Objectives and the Theme
The main objective of this conference is to explore the means and instruments to establish effective and lasting University/Industry/Government collaboration in technology management and to present case studies in this respect. The barriers that may hinder such a fruitful collaboration will also be deliberated upon.

The scope of the conference will include -but not be limited to- the following: Development and management of institutions such as industrial parks, high-tech corridors and incubators, R&D incentives and technology transfer mechanisms for small and medium sized firms, entrepreneurship and financial instruments, transfer and diffusion of technology, development of R&D consortia, development of legal and procedural frameworks, management of innovation, technological systems, projects and engineers and scientists, and environmentally sound technologies. For more information, please contact: UNESCO Chair on Mechatronics at Boğaziçi University, Fax: +90-212-287 2465, e-mail: kaynak @ boun.edu.tr.

Abstracts are due by: 5 January 1996
Notification of Acceptance: 1 March 1996
Full Papers are due by: 21 April 1996

The procedure for the establishment of an Engineering Management Society chapter is almost completed. The first event of this new chapter will be to extend technical co-operation to a UNESCO sponsored meeting; "International Conference on **Technology Management**". University/Industry/Government Collaboration-UNIG '96" will be held in Istanbul, during June 24-26, 1996 under the patronage of His Excellency Süleyman Demirel, President of the Republic of Turkey. If you are interested in this event, please send a message to unig@boun.edu.tr or a fax to +90-212-287 24 65.

Chapter Chairman: Dr. Mehmet A. Tan, Bilkent University, EE Dept
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Fax: +90 312 266 4126, E-mail: m.tan@ieee.org

Silicon Technology and Submicron Processing.

The Technische Universität Wien, Vienna, Austria, Department of Electrical Engineering, invites applications for the newly endowed position of

Full Professor Semiconductor Technology

The holder of the chair will be responsible for both teaching (English/German) and research. The successful applicant should have extensive experience in Silicon Technology and Submicron Processing. Outstanding scientific qualifications, teaching abilities, and industrial or industry related activities are essential. A Ph.D. in electrical engineering or in related areas is a formal requirement (A working knowledge of German would be appreciated).

The Technische Universität Wien is an equal opportunity employer and strongly invites women to apply.

Send applications, including curriculum vitae, list of publications, reprints of three significant articles, and the two most recent articles, list of courses held (if applicable), and a summary of current research activities to Prof. Dr. Alexander Weinmann, Dean, Department of E.E., T.U.Wien, Gusshausstraße 27-29/350, A1040 Wien, Austria, not later than February 15, 1996.

Fax: +43-1-505 89 07, email: weinmann@iert.tuwien-ac.at

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a large increase in the number of chapters in Region 8: from 8 to 25 since 1993, EDS wants to ensure that new chapters are successful and in general support the activities of the Region. The Director expressed his appreciation of the EDS Regional support and the importance of close co-operation between the chapters in the Region; he suggested that the Region and the Societies should organise joint Regional Workshops and Summer Schools with local Chapters.

Agreement with National Societies

In several countries the IEEE has an agreement with the National Electrical Engineering Society. The IEEE President is systematically seeking new national partners, because the Institute wishes both to improve relations with national societies and to stimulate joint memberships.



President Marie Davidson of the South Africa Institute of Electrical Engineers and Professor Peer Martin Larsen of the IEEE, sign the agreement between the two institutions

This agreement was signed on August 16th 1995 by the SAIEE President Marie Davidson and the Region 8 Director Peer Martin Larsen. The Agreement outlines the advantages for members of both Societies as Visiting Members, Joint Activities, Coordination of Technical Meetings, Publications Exchange, Standards Information, and discounts on membership dues for members of both institutions

Peer Martin Larsen - Director Region 8

Membership Development 1996

By Professor. Dr. -Ing. Walter E. Proebster

The key goal of Membership Development is to maintain and improve the service to IEEE members; to which end the recruitment of new members is of the utmost importance; only in this way can we draw upon an increasingly wide pool of expertise which new entrants can share with us.

The centre two pages of this issue of Region 8 News contain an application form for 1996. You will notice that the form applies to both post graduate members and to students; it contains for the first time a complete list of all the magazines, transactions and technical journals published by the IEEE Societies, all of these are available at reduced prices to Society members. The importance of this new approach is that almost all of our members join the IEEE because of the quality of its publications

Please try to recruit at least one new member. As an incentive, prizes will be awarded to those members who are most successful in fulfilling the goals of this membership drive - just add your name and membership number to the foot of the last page of the form. If you need more information, please contact me.

Postal Address: Prof. Dr.-Ing. Walter E Proebster, Perlacherstr.42, D-82031 Germany. Fax: +49 89 6411 760. E-mail: w.proebster@ieee.org

Industrial Sensor Systems

The Technische Universität Wien, Vienna, Austria, Department of Electrical Engineering, invites applications for the position of

Full Professor Industrial Sensor Systems

The holder of the chair will be responsible for both teaching (English/German) and research. The prospective candidate is expected to have extensive experience in the area of Industrial Electronics with an emphasis on Sensors. Outstanding scientific qualifications, teaching abilities, and industrial or industry-related research activities are essential. A Ph.D. degree in electrical engineering or in a related area is required. (A working knowledge of German will be appreciated).

The Technische Universität Wien is an equal opportunity employer and strongly invites women to apply.

Send applications including curriculum vitae, a list of publications, reprints of three significant articles, and the two most recent articles, a list of courses held (if applicable) and a summary of current research activities to Prof. Dr. Alexander Weinmann, Dean, Department of EE, T.U.Wien, Gusshausstraße 27-29/350 A1040 Wien, Austria, not later than February 15, 1996).

(Fax: +43-1-505 8907. email: weinmann@iert.tuwien.ac.at)

Voluntary Contributions Fund

The Region 8 Committee is again asking members in our Region to make a voluntary contribution when renewing their membership this year; this is to enable us to provide financial assistance to Sections in Central and Eastern Europe

In the past two years Region 8 has matched the funds donated by members and has paid for IEEE books and journals to be sent to 15 libraries in countries ranging from Albania and Belarus, to Latvia, Romania and Russia. We have also helped members to attend conferences and made grants towards the establishment of Section offices in Budapest and Moscow. Last year over 500 members contributed an average of \$10. Please give us your support.

C.W. Turner
Past Director Region 8 IEEE

*Region 8 News is not an official publication of the
Institute of Electrical & Electronics Engineers.
The views expressed are those of the authors*

Surplus IEEE Publications for East Europe

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

I wish to donate to a library in Central & Eastern Europe, publications for which I no longer have a need; (a) on this single occasion or (b) regularly (*please delete as appropriate*). Below I have marked those Societies whose publications I can send; please let me have details of a library which the Region 8 survey indicates would benefit from receiving them.

Please print in block capitals

Title, Initials and Name.....

Address:.....

.....

Tel No:

Technical Societies	S-Code	Technical Societies	S-Code
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Aerospace, Electronic Systems	010	Information Theory	012
Antennas & Propagation	003	Instrumentation, Measure.	009
Broadcast Technology	002	Lasers & Electro-optics	036
Circuits & Systems	004	Magnetics	033
Communications	019	Microwave Theory, Tech.	017
Components, Packing, Manuf. Tech	021	Nuclear & Plasma Sci.	005
Computer	016	Consumer Electronics	008
Oceanic Engineering	022	Power Electronics	035
Control Systems	023	Dielectrics & Elect. Ins.	032
Power Engineering	031	Education	025
Electromag. Compatibility	024	Robotics & Automation	024
Electron Devices	015	Signal Processing	001
Engineering Management	014	Social Implications of Tech	030
Engineering in Medicine	018	Systems, Man and Cyber.	028
Geoscience & Remote	029	Ultrasonics, Ferroelec. Etc	020
Industrial Electronics	013	Vehicular Technology	006
Industry Applications	034	Reliability	007

KING'S
College
LONDON
Founded 1829



Workshop: Wireless Multimedia Communications

on
5-6th February 1996
at
King's College London

Organised by the Centre for Telecommunications Research

Invited papers by international experts who will present the latest developments in this rapidly changing area of communication engineering. Each regional session will contain five or six presentations by well-known workers from that region. Topics include, wireless access, mobility and resource management, wireless ATM, services and security aspects and integration with fixed broadband networks such as B-ISDN

Day 1 5th February. a.m.

Panel Discussion: "What is the Wireless Multi-Media?"
Organiser: Juha Rapeli - Nokia Mobile Phones

p.m. European point of view and activities
Organiser: Hamid Aghvami - King's College London

Evening Social Event

Day 2. 6th February a.m.

"North American points of view and activities"
Organiser: Dipankar Raychaudhuri - NEC USA

p.m. Japanese points of view and activities
Organiser: Ryuji Kohno - Yokohama National University

This is a unique opportunity to hear what is happening all over the world from those who are doing it. A detailed programme is available; to obtain a copy and a registration form contact:

Dr. Babak Jafarian, Centre for Telecommunications
Research, King's College London, Strand London,
WC2R 2LS. Tel: +44 171 873 2898.
Fax: +44 171 873 2664 E-mail: babak@eee.kcl.ac.uk

Slovenia

By Professor Baldomir Zajc

The Fourth Electrotechnical and Computer Conference - ERK'95 was held on September 25-27, 1995 in Portoroz, Slovenia.

This is becoming an every-year meeting of professionals from different fields and the event is serving to foster cross-fertilisation among the interests of the many professional societies in this country.

Apart from an overview of this year's research results there were also several invited papers dealing with continuing education, round tables discussing a variety of interesting subjects, amongst which were professional and technological questions, international cooperation educational programmes, finance, employment and so on.

As more and more authors come to the conference, we see that a forum is needed where researchers present their work, discuss subjects of common interest and consider future scientific projects. Young scientists want to acquire confidence and practice the presentation of their work to a wider scientific audience.

The programme of the Conference was divided into twelve specialised groups, among which were:

Electronics, Telecommunications, Control and Simulation, Identification, Modelling, Power Engineering and Measurements: these papers appeared in Volume A of the Conference Proceedings. In Volume B were: Computer and Informatics Science, Artificial Intelligence, Robotics, Pattern Recognition, Biomedical Engineering and Numerical Methods. In all there were 31 sessions and 248 accepted papers.

Participants from industry were interested in the results of research work reported at the Conference; R & D is beginning to appreciate the fields in which research is required, and then transferring them to industry, with additional discussion on the decisions which have to be taken in the interests of employment. The E.R.K. Conference is the ERK is the electrical and computer congress of this country.

Section Chairman: Prof. Baldomir Zajc, Fakulteta za Elektrotehniko, Trzaska 25, 61000 Ljubljana, Slovenia. Tel: +386 61 176 8439. Fax: +386 61 126 4630. E-mail: b.zajc@iee.org

Bulgaria

By Dr. Hristo Hristov

For some years many Bulgarian engineers have been individual members of the IEEE. After a petition was signed by 57 members the Bulgaria Section was approved in June this year. In the meantime a Joint Chapter MTT/EC was also approved. The Section Bylaws were prepared and submitted for approval.

Contact was established with the National Union of Electrical and Electronics Engineers. The near future activities of the Section and the Chapter are the election of a Section Committee, and membership development. The contact address of the Section and the Chapter is:

Dr. Jordan Kolev, Interim Chair of the Bulgaria Section, E-mail: k114@tu-varna.bg
Hristo Hristov, Interim Chair of the Joint Chapter MTT/ED. E-mail: hristov@radio.tu-varna.bg

Greece - 25th Anniversary

By Professor George Stassinopoulos

The Greece Section celebrates this year its first 25 years of existence. On November 13th we shall have the honour and pleasure of hearing our invited speaker Professor Michael Athans of M.I.T.

"Control: The Adventure Continues"

At a small reception to follow the lecture, past chairmen and members will exchange ideas about the past and future plans for our Section.

Section Chairman: Professor George Stassinopoulos, National Technical University of Athens, Division of Computer Science, Heroon Polytechniou 9, 15773 Zografu, Athens Greece.
Tel +30 1 772 25 31. Fax: +30 1 772 25 34.
E-mail: g.stassinopoulos@iee.org

UKRI (MTT/ED/AP/L&O chapter)

By Mr. Terry H. Oxley

Attention is drawn to the following Chapter events of international interest:--

- Three consecutive Microwave/Optoelectronic one-day events planned cooperatively by the IEEE and the national IEE:

- Monday 27th November 1995. "EDMO95" at King's College London. 3rd International Workshop on "High Performance Electron Devices for Microwave & Optoelectronic Applications". Registration and programme information is available from Dr. Ali A. Rezazadeh, Dept. of Electronic & Electrical Engineering, King's College, Strand, London WC2R 2LS UK. Tel: +44 171-87 3-2879. Fax: +44 171-836-4781. E-mail: a.rezazadeh@bay.cc.kcl.ac.uk

- Tuesday 28th November 1995 "MMIC Design" at IEE Savoy Place, London. 2nd Tutorial Colloquium on the design of MMIC circuits. Registration and programme information is available from Ms Alison Dewhurst, Electronics Division, IEE Savoy Place, London WC2R OBL. Tel: +44 -171-344-5423. Fax: +44-171-497-3633. E-mail: adewhurst@iee.org.uk.

- Wednesday 29th November 1995 "M3COM" at IEE Savoy Place, London. Workshop on "Microwave & Millimetrewave Communications - the wireless revolution" Registration and programme information is available from Dr. I. D. Robertson, The Communications Research Group, Dept. of Electrical Engineering King's College, Strand London WC2R 2LS UK. Tel: +44 171-87 3-2523. Fax: +44-171-836-4781. E-mail: udee2O6@bay.c.c.kcl.ac.uk.

- Two-day event planned cooperatively by the Chapter and ISHM-UK:

- 10th & 11th June 1996 "ICET96" at Ramada Hotel Heathrow, London. 2nd International Conference on "Electronics Technologies" with a focus on the themes of microwave materials, devices and applications. CALL FOR PAPERS - abstracts by 30th November 1995 - information is available from ICET96 ISHM-UK, 13 Firlands, Bracknell, Berkshire RG12 9SB UK. Tel: +44 1344-301491. Fax: +44 1344-481988.

For further information please contact the Chapter Chairman: Mr. Terry H Oxley, "Tremont", Back Lane, Halam, Southwell, Newark, Notts NG22 8AG. Tel: +44 1636-815510. Fax: +44 1636-815865.

Your Conference Publicity Starts Here

33,148

*Members of the IEEE will Read this
Issue of Region 8 News*

An der **Fakultät für Elektrotechnik der Technischen Universität Wien** ist am Institut für Elektrische Meßtechnik ab 1.Okt.'96 die **Planstelle** eines/einer

Ordentlichen Universitäts professors/professorin für

Elektrische Meß- und Schaltungstechnik

(Nachfolge Prof. Patzelt) zu besetzen.

- Es wird eine Persönlichkeit gesucht, die dieses Fach in Lehre (Deutsch und Englisch) und Forschung vertritt. Mehrjährige Erfahrungen in einigen der folgenden Gebiete

**Elektrische Meßtechnik und Meßsysteme,
Analoge und digitale Schaltungstechnik,
EMV-gerechte Systemtechnik,
Qualitätssicherung.**

eine hervorragende wissenschaftliche Qualifikation, didaktische Fähigkeiten und eine erfolgreiche industrielle oder industriennahe Forschungstätigkeit sind erforderlich.

- Gesetzliche Ernennungskriterien sind: ein in- oder ausländisches facheinschlägiges Doktorat, eine in- oder ausländische facheinschlägige Lehrbefugnis oder eine gleichzeitige wissenschaftliche Befähigung und der Nachweis der pädagogischen Eignung.

- Die Technische Universität Wien strebt eine Erhöhung des Frauenanteils an ihrem Personalstand an und lädt daher facheinschlägig qualifizierte Wissenschaftlerinnen ausdrücklich zur Bewerbung ein.

Bewerbungen sind bis 31. Dezember 1995 unter Beifügung eines Lebenslaufes, einer Liste der Publikationen und Vorträge, von Sonderdrucken der fünf wichtigsten Veröffentlichungen, gegebenenfalls einer Liste der abgehaltenen Lehrveranstaltungen und einer Übersicht der laufenden Forschungsvorhaben an den **Dekan der Fakultät für Elektrotechnik der Technischen Universität Wien, Prof. Dr. Alexander Weinmann, Gußhausstraße 27-29/350, A-1040 Wien** zu richten (Fax: ++43 1 505 89 07, email: weinmann@ierf.tuwien.ac.at).

Opatija, Croatia

18-20 September 1996

41st Annual Conference

KOREMA '96

Organised by KoREMA, Sponsored by IMEKO, Co-sponsored by Ministry of Science Republic of Croatia. Co-op with IEEE Croatia Section. Contact: KoREMA 96 Secretariat, PO Box 473, HR-10000 Zagreb, Croatia. Fax: +385 1 6129870. E-mail: korema@fer.hr.

Officers of the Region 8 Committee

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Chapter Coordination Committee

by Professor Basil Papadias

The Chapter Co-ordination Committee is entering a period of maturity and this is reflected in its current activities. Annual meetings of Chapter Chairmen are regular events in all coordinated Chapter sectors, this being a positive and fundamental step in the progress of coordination. Links with the relevant Societies are strengthening, all Chapter Coordinators attending the AdBd or ExBd meetings of their Societies, once every year, principally held in U.S.A. Almost all Chapter Co-ordinators draw funds from their Societies to support, totally or partially the annual Chapter Chairmen's meetings.

By September 15th, 10 new Chapters were established in the Region mainly ED and MTT; 5 are in Russia, Ukraine, Bulgaria and Hungary. The total number of Chapters in the Region now 136, of which 27 were established during the last 12 months - a 25% increase.

There has been a considerable effort on the part of the Chapter Coordinators to initiate Chapter activity in the central and eastern European countries where the IEEE was either minimal or non-existent. The MTT Society has set up a 3-year scheme for establishing new Chapters in Russia, Ukraine and Bulgaria, the detailed plan providing for the creation of 6 joint MTT-ED chapters, on a 50-50 financial basis. The CCC, through Andre Vander Vorst, will support that activity by allocating \$1200 US from the 1995 budget. Three Chapters have been established (Lithuania, Russia, and the Ukraine) and the other 3 (Bulgaria and two in Russia) are in formation.

Several petitions are under way for the establishment of new chapters (CAS chapter in France, PE chapters in Czechoslovakia, Hungary and Russia, ED chapter in Hungary). Close to formation are CAS chapters in Denmark, Spain and Portugal. There is some chance for the formation of CAS chapters in Warsaw and Budapest. There is also interest from former Soviet countries in organising Communication Chapters.

Annual Chapter Chairs meetings, of all coordinated chapters, were held during the year, organized by the Chapter Coordinators in various cities, in conjunction with International Conferences associated with the respective Societies. I refer to chapter meetings of MTT in Bologna, PE chapters in Stockholm last June, of the Electron Devices in the Hague, of the Industrial Electronics and Robotics Chapters in Istanbul, and of the Circuit & Systems in Seattle. The PES has supported for the 5 last years the PE Chapter Chairs meetings of Region 8, by reimbursing the travel and accommodation expenses of the participants, with amounts up to \$6,000 US annually.

These annual meetings help to develop contacts among chapters of different countries, help chapters improve their activities, coordinate their collaboration and contribute in the development of joint activities. Moreover, they establish platforms of common activities, and enable participants to share ideas and experience. Electronic mail has made the mechanics of Chapter Coordination much easier, but it cannot replace face-to-face meetings. Personal contacts, discussions, and the exchange of thoughts and experience, is a proven way of fostering understanding between societies belonging to different countries but sharing common targets and values. Chapter Chairmen need advice and help; the annual Chapter Chairmen's meetings provide them with information: how to obtain money from their Society, to prepare a report, to participate in the distinguished lecturers programme, and so on.

A central Chapter coordination may not solve every problem, but it does assist the progress of Chapter activities. The number of chapters in the Region has shown a spectacular increase. The interest which the Societies take in their Chapters has increased and financial support has been forthcoming. An increase in the Chapter activities is already apparent; however, it takes time to develop fully. This effort is a long-term project - we are still working on the infrastructure.

*Chairman: Prof. Basil Papadias, NTUA Elect. & Comp. Eng. Dept.
42, 28th October Str., 106 82 Athens, Greece. Fax: +30 1 3805604,
Tel: +30 1 3800551 E-mail: papadias@kithira.esd.ece.ntua.gr*

Region 8 Volunteer Award

By Professor E. Folke Bolinder

The selection committee for this award met on 5th May 1995 in Dublin; the committee consisted of:

Professor Charles Turner: Past Director Region 8

Mr. Basil Osborne: Secretary Region 8 - a Past Director

Professor E. Folke Bolinder: - Awards & Recognitions - a Past Director

There were three candidates: the selected candidate was:

Professor. Dr. Wieslaw J. Seruga (Poland)

1979-83 Vice-chairman - MD Committee

1983-89 Chairman - Poland Section

1989-93 Junior Past Chairman - Poland Section

1993- Chairman - Power Eng./Industry Applications Joint Chapter

During the years 1973-92, as Director of the Electrotechnical Institute in Warsaw, Professor Seruga played a very active role in the development of the Poland Section

France

By Prof. Edwige Pissaloux

CONFERENCES

OCEAN CITIES, the first International Symposium on Ocean Cities, November 20-23, 1995 in Monaco. The aim of the "Ocean Cities" symposium 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. Contact: Ocean Cities'95 General Secretary, SEE, 48 rue de la Procession, 75 724 Paris Cedex 15 - Phone: + 33 1 44 49 60 60 - Telex: SEE 200656 F. Fax: + 33 1 44 49 60 44.

Mediterranean Workshop on Coding and Information Integrity will be held on February 26-28th 1996 at Palma de Mallorca, Spain. This workshop is sponsored by the Balearic Island Government, UIB, ERCIM, IEEE French and Israeli Chapters on Information Theory, ENST (France), INRIA (France), CNRS (France). Contact: M. Jose Luis Ferrer. Phone: + 34 71 28 75; Fax: + 34 7117 30 03. E-mail: dijifg@ps.uib.es.

IEEE SIMC-9 9th Conference on **Semiconducting and Insulating Materials**, sponsored by the Electron Devices Society, will be held from April 29th - May 3rd 1996 in Toulouse, France. Deadline for submission of texts: January 15th, 1996. Contact: Ms. Josiane Sutra, CEMES/CNRS, 29 rue Jeanne Marring, BP 4347, 31 055 Toulouse Cedex, France. Phone: + 33 62 25 78 00. Fax: 33 62 25 79 99; or the Conference Service Department at IEEE Service Center; at: + 1 908 562 3878.

1996 IEEE - **SP International Symposium on Time - Frequency and Time Scale Analysis**, sponsored by the Signal Processing Society and CNRS (France), will be held on June 18th-21st, 1996 in Paris. Deadline for submission of texts: December 15th 1995. Contact: Ms. Inbar Fijalkow, ETIS - ENSEA, 6 av. du Ponceau, 95 014 Cergy - Pontoise Cedex. Phone: + 33 1 30 73 66 10. Fax: + 33 1 30 73 66 27. E-mail: tfts96@ensea.fr; or the Conference Service Department at IEEE Service Center: + 1 908 562 3878.

FROM OTHER CHAPTERS. - EMC Society.

Dr. Ferdy Mayer, President of the IEEE EMC Chapter in France, Belgium, Luxembourg, was elected chairman of the International Activities Committee at the Board Meeting August 13, 1995.

NEWS IN FRENCH.

Compte rendu de la dernière assemblée générale.

L'Assemblée Générale de la Section Française s'est tenue le jeudi 15 juin 1995 à 19 heures à la Maison des Polytechniciens, 12 rue de Poitiers, 75 007 Paris.

Le compte rendu de la précédente Assemblée Générale a été approuvé à l'unanimité.

Le rapport moral, présenté par M. Maurice PAPO, Président de la Section Française, a résumé les différentes activités de la Section pendant l'année 1994.

Le rapport financier, présenté par M. Jean-Gabriel HERRY, a reçu le quitus sur les comptes de l'année 1994.

M. Maurice PAPO a été retenu comme candidat pour la direction de la Région 8 par le Comité de Sélection.

Aucune élection pour la Section Française ne se tient en 1995; le mandat des membres du Bureau et du Conseil d'Administration étant valable pour l'année 1995.

Le dîner, qui a suivi l'AG, a réuni - comme d'habitude - les membres présents avec leur conjoints. M. Michel CARPENTIER, Directeur de la DG XIII à l'Union Européenne, a fait une intervention sur la politique de l'Europe en matière de Technologies de l'Information.

La prochaine Assemblée Générale aura lieu à la même période en 1996.

RECONNAISSANCE

Deux membres de la Section Française ont été nommés FELLOW: Hickmet SARI de la SAT, et Louis COATRIEUX de l'Université de Rennes 1

M. Claude GUEGUEN a reçu une récompense (award) de l'IEEE pour la création d'EURECOM à Sophia Antipolis.

CHAPITRE EMC

Durant l'année 1995 - 1996, le Chapitre Français, Belge et Luxembourgeois de l'IEEE EMC et la SEE, Clus 25 (Waves & Signals), organisent les conférences suivantes:

- 19 décembre 1995: "Controversial half-day", journée de travail sur la mise en oeuvre de recommandations EMS, avec la participation de M. Berthon (AERO), M. Perrin (LCIE), Dr. Mayer (LEAD et EMC-MAZE), M. Broyde (AXCEM), M. Charoy (AEMC), M. Mardiguan (PRANA), M. Lagorsse (CRITT - CCS), un conseiller du Ministre de Commerce du Royaume Uni (et membre de l'Association de "European Competent Bodies"), et la presse professionnelle française;

- courant janvier - mars 1996: "GTEM Cells and the EMC - Directives", par Dr. Perry Wilson, ABB Research Laboratories;

- mars - juin 1996: "Modelization: A cost - effective approach for EMC Management", par M. Beniguel.

Les conférences ont lieu à l'ISEP - Institut Supérieur d'Electronique de Paris, Auditorium n° 26, 28 rue Notre-Dame des Champs, 75 006 Paris, à l'exception de la conférence du 19 décembre qui se tiendra à la SEE, Salle n° 2, 48 rue de la Procession, 75 724 Paris Cedex 15, à 15 h.

Pour toutes les informations, prière de contacter le Dr. Ferdy Mayer (IEEE EMC - S Chapitre); tél. (1) 44 49 60 00; fax: (1) 44 49 60 49; ou Dr. Berthon (SEE Club 25), tél. 45 14 13 13.

LES ANCIENS DE LA RADIO ET DE L'ELECTRONIQUE vous invitent aux conférences suivantes

- le 23 janvier 1996, sur "Le réseau Internet et ses possibilités", par l'Inspecteur Divisionnaire Philippe DELAUNAY de la D.S.T.;

- le 6 février 1996, sur "L'évolution de l'électronique automobile", par J.L. POMMEREAU, conseiller de P.S.A.

Les conférences ont lieu à la F.I.E.E., 17 rue Hamelin, 75 116 Paris, à 17 heures. Elles sont suivies d'un pot amical.

Pour toute information, prière de contacter M. Henri Carpentier, tél. (1) 47 50 33 05E vous invitent aux conférences suivantes

- le 23 janvier 1996, sur "Le réseau Internet et ses possibilités", par l'Inspecteur Divisionnaire Philippe DELAUNAY de la D.S.T.;

- le 6 février 1996, sur "L'évolution de l'électronique automobile", par J.L. POMMEREAU, conseiller de P.S.A.

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NEW FROM WILEY

■ Principles of Lightwave Communications

G. EINARSSON, Royal Institute of Technology, Sweden

This comprehensive text details the theoretical fundamentals that under-pin lightwave communications. In particular, the author provides essential information on the reception of optical signals. Opening with a summary of the history and development of optical communications, this book progresses to cover light propagation in optical fibres, optical waveguides, optical detection theory and heterodyne systems. Practising communications engineers and physicists in the field of optical communications will find this title essential reading.

0471 95297 4 November 1995 approx 350pp (cl) approx £49.95

0471 95298 2 November 1995 approx 350pp (hr) approx £24.95

■ Fundamentals of Laser Diode Amplifiers

H. GHAFOURI-SHIRAZ, University of Birmingham, UK

Innovative optical devices have emerged from the integration of semiconductor laser diodes with optical waveguide technology. This well researched text traces the evolution of semiconductor laser amplifiers (SLAs) from these technologies. Focusing on the principle applications of SLAs in the switching and modulation areas, the author illustrates the growing importance of these functional components in the future of optical communications systems.

0471 95872 7 December 1995 approx 200pp approx £34.95

■ Diode Lasers and Photonic Integrated Circuits

L.A. COLDREN and S.W. CORZINE, both of the University of California, Santa Barbara, USA

Diode lasers are found in numerous applications in the optoelectronics industry, telecommunications and data communications, ranging from readout sources in compact disc players to transmitters for optical fiber communications systems. This new title provides a comprehensive treatment of diode laser technology, its principles and theory, treating students as well as experienced engineers to an in-depth exploration of this fast growing field. Engineering aspects are presented first, moving on to discussion of complex physical aspects with over 270 illustrations and extensive appendices to supplement the text.

0471 11875 3 November 1995 approx 448pp approx £50.00

■ Signal Processing with Alpha-Stable Distributions and Applications

CHRYSOSTOMOS L. NIKIAS, University of Southern California, Los Angeles, USA and MIN SHAO, HNC Software Inc., San Diego, USA

With an emphasis on practical rather than theoretical aspects, this new title presents a long-awaited survey of the statistical properties, methods and applications of symmetrical alpha-stable distributions. Major topics covered in this resource include statistical methods in signal processing (including both the Gaussian and alpha-stable models), stable distribution, fractional lower-order moments and methods for estimating the parameters of a stable distribution from sample data.

0471 10647 X November 1995 approx 184pp approx £50.00

Wiley books are available through major booksellers. Alternatively, order direct from Wiley (Payment to John Wiley & Sons Ltd). Credit card orders can be accepted by telephone: +44 1243 829121

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Region 8 Conference Record

Braunschweig, Germany

17-20 June 1996

4th Euromicro Workshop on Parallel and Distributed Processing

Emilio Zapata, Univ. de Malaga, Dept Arquitectura de Computadores.
Plaza El Ejido s/n, E-29013 Malaga, Spain. Tel: +34 5213 1404

Fax: +34 5 213 1413. E-mail: ezapata@atc.ctima.uma.es.

L'Aquila, Italy

12-14 June 1996

8th Euromicro Workshop on Real-time Systems

Contact: Petri Pulli, VTT Electronics, P.O. Box 1100, FIN-90571

Oulu, Finland. Tel: 358-81-551 2111. Fax: +358-81 551 2320

E-mail: petri.pulli@vtt.fi

Prague, Czech Republic

2-5 September 1996

22nd Euromicro Conference

Contact: Peter Milligan, The Queen's University of Belfast
Department of Computer Science, Belfast BT7 1NN, N.Ireland

Tel: +44 1232 245 133. Fax: +44 1232 331 232.

E-mail: p.milligan@qub.ac.uk

Warsaw, Poland

27-30 May 1996

XI International Microwave Conference

MIKON - '96

Prof. Edward SEDEK, Telecommunications Research Institute

ul. Poligonowa 30, 04-051 Warsaw, POLAND

Tel/Fax: (48 22) 10 25 71

Braunschweig, Germany

17-20 June 1996

CPEM '96

Precision Electromagnetic Measurements

Contact: Mrs. S. Rost, PTB, 38116 Braunschweig, Germany.

Tel: +49 531 592 2105. Telex: 95 28 22 ptb d

E-mail: erich.braun@ptb.de

Warsaw, Poland

17-20 June 1996

IEEE - Call for Papers - ISIE '96 - International

Symposium on Industrial Electronics

Deadline: 1 December 1995

Marian P Kazmiczkowski, Warsaw University of Technology,

Faculty of Electrical Engineering, 00-662, WARSAW, Poland.

Tel: +482 6280 665. Fax: +482 6256633. E-mail: mpk@nov.isep.lw.edu.pl

Congratulations

Maurice Papo

Region 8 Director Elect - 1996

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1996 Region 8 Membership Application

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Annual Cost of Technical Societies & their Publications - 1996

M = Magazine T=Transactions	S Code Pub. I.D.	Member Student \$ \$
Aerospace & Electronic Systems	AES-010	15 8
Aerospace & Electronic Systems - M		Free for Members
Aerospace & Electronic Systems - T	1111	15 11
Pattern Analysis, Machine Intelligence - T	1351	31 23
Lightwave Technology	4301	32 24
Antennas & Propagation	AP-003	12 6
Antennas & Propagation - M		Free for Members
Antennas & Propagation - T	1041	Free for Members
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Broadcasting - T	1011	Free for Members
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Fundamental Theory & Applications - T	1561	14 11
Analog & Digital Signal Processing - T	1571	14 11
Video Technology - T	1531	14 11
CAD Integrated Circuits & Systems - T	1391	21 16
Fuzzy Systems - T	1581	19 14
Neural Networks - T	1491	28 21
V.L.S.I. - T	1621	17 13
Circuits & Devices - M	3131	20 15
Solid State Circuits	4101	14 11
Communications	COM-019	23 12
Communications - M	3021	Free for Members
Applied Superconductivity	1521	18 14
Communications - T	1201	27 20
Fuzzy Systems - T	1581	19 14
Networking IEEE/ACM - T	1591	31 23
Neural Networks - T	1491	28 21
V.L.S.I. - T	1621	17 13
Lightwave Technology	4301	32 24
Solid State Circuits	4101	14 11
Selected Areas in Communications	1411	25 19
Personal Communications - M	3291	22 17
Network - M	3171	22 17
Components, Packing & Manuf. Tech.	CPMT-021	10 5
Components, Packing & Manuf. Tech.(A)	4551	15 11
Components, Packing & Manuf. Tech.(B)	1651	15 11
Manufacturing (C)		Free for Members
Applied Superconductivity - T	1521	18 14
V.L.S.I Systems - T	1621	17 13
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Semiconductor Manuf	1451	12 9
Computer	C-016	29 15
Computers - M	3001	Free for Members
Fuzzy Systems - T	1581	19 14
Knowledge & Data Engineering - T	1471	31 23
Networking. IEEE/ACM. - T	1591	31 23
Neural Networks - T	1491	28 21
Parallel & Distributed Systems - T	1501	31 23
Pattern Analysis, Machine Intelligence - T	1351	31 23
Software Engineering - T	1171	30 23
V.L.S.I. - T	1621	17 13
Visualisation & Computer Graphics	1661	19 14
History of Computing	3211	21 16
Computer Graphics & Application - M	3061	31 23
Solid State Circuits	4101	14 11
Computers - T	1161	31 23
Design & Test of Computers - M	3111	28 21
Expert - Intelligent Systems - M	3151	26 20
Nomadic Comms. & Computing - M	3291	22 17
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Multimedia - M	3251	22 17
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M = Magazine T=Transactions	S Code Pub. I.D.	Member Student \$ \$
Fuzzy Systems - T	1581	19 14
Control Systems Technology - T	1611	4 3
Neural Networks - T	1491	28 21
Pattern Analysis & Machine Intelligen. - T	1351	31 23
Dielectrics & Electrical Insulation	DEI-032	15 8
Dielectrics & Electrical Insulation - T	1301	Free for Members
Electrical Insulation - M	1301	Free for Members
Applied Superconductivity - T	1521	18 14
Education	ED-025	15 8
Education - T	1241	Free for Members
Electromagnetic Compatibility	EMC-027	10 5
Electromagnetic Compatibility - T	1261	Free for Members
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Electron Device Letters	3041	12 9
Applied Superconductivity - T	1521	18 14
Electron Devices - T	1151	18 14
Semiconductor Manufacturing - T	1451	12 9
V.L.S.I. - T	1621	17 13
Circuits & Devices - M	3131	20 15
Electronic Materials	4601	32 24
Lightwave Technology	4301	32 24
Microelectromechanical Systems	4701	9 7
Solid State-circuits	4101	14 11
Engineering Management	EM-014	28 14
Engineering Management	1141	Free for Members
Engineering Management Review	1141	Free for Members
Engineering in Medicine & Biology	EMB-018	22 11
Engineering in Medicine & Biology - M	3091	Free for Members
Biomedical Engineering - T	1191	22 17
Fuzzy Systems - T	1581	19 14
Medical Imaging - T	1381	24 18
Neural Networks - T	1491	28 21
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Rehabilitation Engineering - T	1631	12 9
Geoscience & Remote Sensing	GRS-029	22 11
Geoscience & Remote Sensing - T	1281	Free for Members
Industrial Electronics	IE-013	19 10
Industrial Electronics - T	1131	Free for Members
Control Systems Technology - T	1611	5 5
Fuzzy Systems - T	1581	19 14
Neural Networks - T	1491	28 21
Microelectromechanical Systems	4701	9 7
Mechatronics - T	1681	10 8
Industry Applications	IA-034	15 8
Industry Applications - T	1321	Free for Members
Industry Applications - M	1321	Free for Members
Fuzzy Systems - T	1581	19 14
Neural Networks - T	1491	28 21
Information Theory	IT-012	15 8
Information Theory - T	1121	Free for Members
Fuzzy Systems - T	1581	19 14
Neural Networks - T	1491	28 21
Pattern Analysis & Machine Intelligen. - T	1351	31 23
Lasers & Electro-optics	LED-036	18 9
Photonics Technology - Letters	1481	18 14
Fuzzy Systems - T	1581	19 14
Mechatronics - T	1681	10 8
Neural Networks - T	1491	28 21
V.L.S.I. - T	1621	17 13
Circuits & Devices M	3131	20 15
Electronic Materials	4601	32 24
Lightwave Technology	4301	32 24
Quantum Electronics	4491	35 26
Selectec Topics in Quantum Electronics	4711	15 11
Solid State Circuits	4101	14 11

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Instrumentation and Measurement	IM-009	18	9
Instrumentation & Measurement - T	1101	Free for members	
Applied Superconductivity - T	1521	18	14
Lightwave Technology	4301	32	24
Magnetics	MAG-033	20	10
Magnetics - T	1311	Free for Members	
Applied Superconductivity - T	1521	18	14
Microwave Theory & Techniques	MTT-017	8	4
Microwave & Guided Wave	1511	8	6
Applied Superconductivity - T	1521	18	14
Microwave Theory & Techniques - T	1181	13	10
V.L.S.I	1521	17	13
Lightwave Technology	4301	32	24
Solid State Circuits	4101	14	11
Nuclear & Plasma Science	NPS-005	15	8
Plasma Science - T	1061	One or the other	
Nuclear Science - T	1071	Free for Members	
Medical Imaging - T	1381	24	18
Oceanic Engineering	OE-022	10	5
Oceanic Engineering	4201	Free for Members	
Fuzzy Systems - T	1581	19	14
Neural Networks - T	1491	28	21
Power Electronics	PEL-035	20	10
Power Electronics - T	4501	Free for Memgbers	
Applied Superconductivity - T	1521	18	14
Power Engineering	PE-031	20	10
Power Engineering Review	3081	Free for Members	
Computer Applications in Power - M	3081	Free for Members	
Applied Superconductivity - T	1521	18	14
Energy Conversion - T	1421	17	13
Power Delivery - T	1431	17	13
Power Systems - T	1441	17	13
Fuzzy Systems - T	1581	19	14
Neural Networks - T	1491	28	21
Professional Communication	PC-025	17	9
Professional Communication - T		Free for members	

M = Magazine T = Transactions	S-Code Pub. I.D.	Member	Student
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Reliability	RL-007	20	10
Reliability - T		One or the other	
Semiconductor Manufacturing - T	1091	Free for Members	
Robotics & Automation	RA-024	20	10
Robotics & Automation - M	1461	Free for Members	
Robotics & Automation - T	1461	Free for Members	
Fuzzy Systems - T	1581	19	14
Mechatronics - T	1681	10	8
Neural Networks	1491	28	21
Microelectromechanical Systems	4701	9	7
Signal Processing	SP-001	17	9
Signal Processing - M	3010	Free for Members	
Signal Processing Letters	3271	15	12
Fuzzy Systems - T	1581	19	14
Image Processing - T	1551	36	27
Medical Imaging - T	1381	24	18
Neural Networks - T	1491	28	21
Signal Processing - T	1001	30	23
Speech & Audio Processing - T	1601	20	15
Social Imp[lications of Technology	SIT-030	22	11
Technology & Society - M	1401	Free for Members	
Systems, Man & Cybernetics	SMC-028	17	9
Systems & Humans - T	1271	One or the other	
Cybernetics - T	1691	free for members	
Fuzzy Systems	1581	19	14
Neural Networks - T	1491	28	21
Pattern Analysis & Mach. Intelligenc - T	1351	31	23
Ultrasonics, Ferroelec, Freq.Control	UFFC-020	15	8
Ultrasonics, Ferroelec. Freq. Cont - T.	1211	Free for Members	
Applied Superconductivity - T	1521	18	14
Medical Imaging - T	1381	24	18
Pattern Analysis & Mac. Intelligence - T	1351	31	23
V.L.S.I.	1621	17	13
Lightwave Technology	4301	32	24
Vehicular Technology	VT-006	15	8
Vehicular Technology - T	1081	20	15
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About the IEEE

- ◆ The Institute has an international membership of some 350,000, of whom 35,000 are in Region 8 - Europe, the Middle-east and Africa. There are very few countries in the world where the IEEE is not represented. At its International Conferences, the language always English, but at local (Section) meetings the local language is frequently used.
- ◆ 30,000 members serve on international technical standardisation committees.
- ◆ The IEEE publishes almost one third of the world's literature on electrical engineering and computing
- ◆ Meetings, Conferences and all IEEE activities are open to all members of all nations
- ◆ Every member receives the monthly journal "Spectrum" which contains well produced articles of general interest to all electrical engineers and computer scientists. In addition members receive the quarterly publication "Region 8 News" and a monthly international IEEE newspaper.
- ◆ The IEEE emphasises the need for cordial relations with national societies.

Technical Societies

- ◆ Whatever your specific electronic, electrical or computing interests, you will find an appropriate international IEEE Technical Society, organised by a committee of experienced members who are well acquainted with the needs and difficulties of your particular speciality. Members may attend Societys' Symposia, Workshops and Conferences, where there will be opportunities for both formal and informal discussion on matters of mutual interest.
- ◆ There are more than one hundred special interest groups (Chapters) which are linked to both Societies and individual Sections. The Chapters themselves are linked on an international basis, thereby ensuring the best possible dissemination of the most up-to-date information.
- ◆ Each Society publishes several journals, covering everything from reviews at "entry level" to the most recent advances in research and development.
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- ◆ Conferences run by Students for Students
- ◆ Exchange visits between the Student Branches of other countries
- ◆ Student Paper Competitions, with valuable prizes
- ◆ IEEE encourages to use the Internet services
- ◆ Low cost travel arranged by Students for Social and Technical visits. Vacation work in other Countries.
- ◆ Vacation work in other countries
- ◆ There are many "Special Interest Groups" which Students may join
- ◆ International Student Exchange visits; students gain valuable experience in the organisation of technical and social meetings.
- ◆ For Students only the first Society is free. After graduation, IEEE students enjoy, for both dues and fees, a graduated increase over 5 years to full Member fees and a substantially enhanced status.
- ◆ The technical literature and international conferences are for the most part conducted in English. The IEEE provides the opportunity to practice that language

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