

IEEE

Region 8 News

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Europe, Middle East and Africa



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IEEE OPERATIONS IN REGION 8 - the Secretary's Viewpoint

by Basil W. Osborne, Secretary Region 8

In Region 8 News for August 1988 it was stressed that the purpose of the organisational structure of the IEEE is to give the best possible service to individual members; the object of this article is to extend that discussion and to describe some aspects of the work of the Regional Secretary.

Societies & Chapters

The IEEE has thirty-six largely autonomous Technical Societies, each with its own elected President and its own publications. Contact between Society members is by technical publications, at conferences and at local meetings of 'Chapters', local subgroups of the world-wide Societies. The Chapters form an important part of, and are administered by, a Section; in a Section there may be several Chapters.

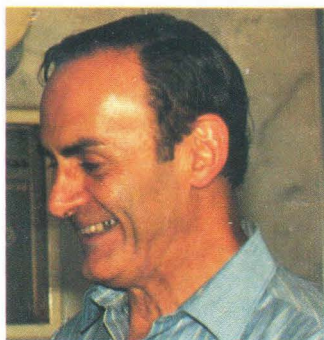
This organisational structure is of special importance in transnational Regions, since the individual IEEE Societies cannot be expected to have first-hand knowledge of the problems of making progress and sustaining good relationships with other bodies in the many countries of a Region.

Each Chapter Chairman represents his members at Section Committee meetings, and each Section Chairman is invited to represent all the members of his Section at the meetings of the Regional Committee; chaired by the Regional Director, who is elected for a two-year term of office by postal ballot. Do not forget to use your vote this year, to select the next Director-elect for the Region, who will be Director in 1991-1992.

The Regional Committee

The Regional Committee includes the Secretary and the Treasurer, the Chairman of the Student Activities Committee, together with all Section Chairmen. Additional representatives may be appointed by the Director (on a yearly basis) for specific purposes.

As there will be an appointed representative on the Regional Committee e.g. for Membership Development, so also will the Section Chairman appoint a member of the Section Committee to look after Membership Development. In an active Region the Regional appointed representative will work closely with those on the Section Committees.



The Regional Secretary

One of the tasks of the Regional Secretary is to keep in touch with Section Chairmen, and maintain up-to-date the constantly changing Chairmen's address list with Fax and Phone numbers. Where a Section is in the process of formation, the Secretary may be able to provide advice and guidance to the local organiser, and to help in liaison with the IEEE Field Services in Piscataway, New Jersey, U.S.A.

The Regional boundaries include all the Sections within its defined geographic area, as well as those members living in countries within that area but where no Section yet exists. Where the membership total appears to be sufficient for a new Section to be formed, the Secretary will try to contact a Senior Member who might be willing to give some of his time to help in the formation of the new Section, and to act as the local 'organiser' (Anyone from Kuwait so interested, please contact me at 2 Wilmot Cottages, Park Road, Banstead, Surrey England SM7 3DH; or phone/fax +44 737 356213). One very recent example of such action is in Turkey, where our local organiser, Dr. Onural of Bilkent University has, with the help of his University, succeeded in obtaining permission from the Turkish government for an IEEE Section to be formed. Now that this obstacle has been overcome, the approval of the proposed new Section by the IEEE Regional Activities Board will follow quickly. We shall then have twenty-eight Sections in Region 8, almost all active.

New Section formation can be delayed or prevented, even where it has a strong support, for local economic or political reasons. The most common difficulty is that of financial exchange control, potential new members not being able to pay the IEEE dues in US convertible currency, and the IEEE not being in a position to set up 'blocked' accounts.

It is the responsibility of the Regional Secretary to advise members of the Regional Committee of the times and locations

of committee meetings, to issue the agenda, and to prepare and issue the minutes. The meeting locations are chosen so as to provide different host Sections with the opportunity of meeting the Regional Committee, but with certain reservations, in that we do not hold Regional Committee meetings in any country to which any of our Section representatives would be refused entry, and we may decide not to hold meetings at locations where air fares and hotel bills would place an undue burden on regional finances. During the last 5 years, meetings have been held in London, Herzlia (Israel), Madrid, Paris, Lisbon, Rome, Ljubljana, Stockholm, Munich and Budapest; the next will be in Vienna.

Newly elected Section Chairmen, even from well-established Sections, receive large quantities of IEEE mail and it is not always clear to them where action is needed. One unofficial function of the Region 8 Secretary is to assist newcomers in the understanding of IEEE procedures: by mail, by Fax, and by organising 'initiation' meetings before Region 8 Committee meetings.

IEEE Prestige

Our Region covers many countries and it is necessary continually to stress the importance of establishing and maintaining good relations with professional institutions and societies in the entire regional area, so as to enhance the prestige of the IEEE and to make the IEEE presence felt and appreciated, whilst keeping clear of all political issues.

CompEuro Conferences

A Joint Project - Computer Society & Region 8

By Dr. Jacob Baal-Schem

Since 1987 the Computer Society and Region 8 have conducted a series of annual conferences, the object of which has been "to provide a highly regarded technical meeting in Region 8 to serve the needs of professionals working on the design, architecture and components of computers and computer systems". These annual CompEuro Conferences, which include both hardware and software, are held every year in a different country under the general direction of a joint standing committee which provides continuity of leadership for the sequence of conferences. For each CompEuro, a Steering Committee and a Technical Programme Committee are nominated, composed mainly of members of the IEEE Section organising the Conference.

CompEuro '87 was held in Hamburg and brought together some 300 participants to discuss VLSI. CompEuro '88, held in Brussels had fewer participants and dealt with @System Design: VLSI concepts, Methods & Tools". On 8-12th May this year, CompEuro '89 was again held in Hamburg, with the theme of "VLSI and Computer Peripherals"; more than 300 participants gathered at the Congress Centre for a very successful range of Tutorials, Discussion Panels and Technical sessions on a wide range of subjects.

'Israel will be the host for CompEuro '90, the main theme of which is: "Computer Systems

and Software Engineering", a theme which will be expanded to include Computer Systems Engineering and Embedded Systems, Software Engineering, Rapid Prototyping of Systems and Software, Artificial Intelligence Techniques, Development Environments and Management of the Development Process and Resources.



Akko

Tel-Aviv has been chosen as the venue for CompEuro '90 because of the high activity of Israel in the field of computing and software engineering. The conference will be organised by the Israel Section, which includes a large Computer Chapter, with the cooperation of IPA - the Israel Information Processing Association. At the meeting of the CompEuro '90

Steering Committee, the Chairman of CompEuro '90 - Prof. J. Raviv of IBM Israel, presented the scope and topics of the '90 Conference, together with a short movie on the potential sites and the technical activities in Israel. All the attendees had a glimpse of the landscapes and the ancient and modern cities of Israel.

CompEuro '90 will be held at the Tel-Aviv Hilton, one of Israel's finest hotels, with excellent convention facilities; there is too the Tel-Aviv seashore, modern shopping centres, and a variety of tours to over 40 destinations, including Bethlehem, Nazareth, Jerusalem, and Egypt; with camel rides, scuba diving and visits to historic and religious sites.

The Conference will include Tutorials on key topics, plenary sessions, technical sessions and a technical exhibition. Prospective authors are invited to submit a 1000-1500 word summary in English, before 1st November 1989. The address for summaries and additional information is: CompEuro '90, c/o ORTRA, PO Box 50432, Tel-Aviv 61500, Israel.

These joint ventures between the IEEE Computer Society and Region 8 have been very successful. Proposals to hold CompEuro 91 in Bologna, and CompEuro '92 in the Hague, have already been approved by the Standing Committee.

France

By Mr. Jacques Cladé

CONFERENCES

In association with other Societies, the French Section of Region 8 is co-sponsoring the following conferences:

- Colloque Optique Hertzienne et Diélectriques - Paris 6-8 septembre 1989 - Informations auprès de M. Lemoine, Université de Rennes 1 - Département Antennes, 35042 Rennes Cedex - France.

- Information Processing & Management of Uncertainty - 3rd International Conference - Paris, 2-6 July 1990. Information: Conference Secretariat IPMU-ENSTA, 32 Boulevard Victor - 75015 Paris, France.
- Power from Space - 2nd International Conference. 11-12th April 1991 - Call for Papers - M.L.Deschamps - EDF - 1 Avenue du Général de Gaulle, 92141 Clamart Cedex - France.

EXPOSÉS DE FIN DE JOURNÉE

La section française parraine les exposés de fin de journée suivants:

- La physique du hasard, par ChRulha - 26 octobre 1989 17h 30 - 11 rue Hamelin, Paris (16ème - dans le cadre de l'accord avec la SEE.
- Le composés III-V tels que l'arséniure de gallium et leur utilisation, par Gérard Nuzillat - 17 octobre 1989. 17h - 11, rue Hamelin, Paris (16ème) dans le cadre de l'accord avec l'ARE.

PRIX DE L'INNOVATION.

La Section Etudiants de l'IEEE et la SEE Ont décerné le Prix de l'Innovation à Emmanuel Monzies, élève à l'Ecole Centrale

des Arts et Manufactures de Paris, pour un travail sur:

"Un premier pas vers une CAO fonctionnelle: prise en compte de nouvelles relations entre éléments d'un système de CAO pour une définition et une utilisation plus souples".

Section Chairman: Mr. Jacques Cladé, Directeur Adjoint à EDF, 2 rue Louis-Murat, 75384 Paris Cedex 08, France. +33 1 40 42 67 28.

Jeddah

By Dr. Mohamed A.I. Turkey

The Jeddah Section held two Professional Seminars during February 1989: on The Design of

Medium Tension Cables, and Artificial Intelligence; three further symposia are to be held before the end of 1989. These will be on Load Despatch Centres, High Voltage Equipment and Relay Protection.

Computer Society

The Computer Society points out that members will shortly be receiving their ballot papers for the election of Society governors and that unlike the Directors of

Regions there is no regional representation in the Society; all representatives are elected by the whole Society membership. Region 8 has few members on the Society's governing body and all those eligible are urged to vote at the forthcoming election.

Sweden

By Anders Derneryd - Secretary

AWARDS

The Sweden Section has great pleasure in announcing the election of the following Senior Members to the Fellow Grade:

Thorsten B.G. Cegrell - for contributions to power system control and related educational programmes

Anders G. Lindquist - for contributions to filtering and estimation, stochastic control and stochastic systems theory.

The Section also congratulates **Karl Johan Aström** on the award of the 1989 Donald G. Fink Prize Paper Award for:

"Adaptive Feedback Control" published in the February 1987 issue of the Proceedings of the IEEE.

CHAPTER ACTIVITIES.

The very active joint MTT/AP Chapter has held two mini-symposia and four technical meetings during the first six months of this year. The first symposium was on High Power Microwaves and Stealth Technology. The symposium was hosted by FOA, Linköping. Seven lectures by key Swedish technical experts from CTH, FOA, and SAAB gave an overview of these new areas. The second one was on Finite Element/Difference Methods as applied to general electromagnetic field problems. Experts from Technische Hochschule Darmstadt in West Germany and from CTH, FOA, KTH, and SAAB in Sweden

presented their work and computer programmes. Each of the symposia attracted some 50 participants.

CHAPTER OFFICERS.

New officers have been elected for the joint MTT/AP Chapter; they will take office on 1st July - Chairman Thomas Lewin (031-671091) from Ericsson Radar Electronics AB in Mölndal and Secretary Stefan Johansson (031-721728) from Chalmers University in Göteborg. We thank the outgoing officers for an extremely well done job and congratulate the incoming officers on their election.

Section Chairman: Dr. J. Piotr Stanski, Chalmers University of Technology, Division of Network Theory, S-412 96 Gothenburg, Sweden. E-mail: piotr@nt.chalmers.se (UUCP)

Fernandez Aldana

Received his Engineering Degree from the University of Madrid in 1971 and a Doctorate from the same University in 1975. Since 1975 he has been a full professor in the same Institution. He is now Vice-president of the University.

He has participated in and directed a large number of research projects and is the author of nine books and thirtyeight papers in professional journals. He has served on the committees of nineteen international conferences.

He is a Fellow of the Institution of Electrical Engineers of Great Britain (FIEE), a Senior Member of the IEEE and a Member of the Society of Instrument and Control Engineers of Japan. He is a founding member of the European Power Electronics and Electrical Drives Association, of which association he is also a member of the Administrative Committee.

He was in 1985 elected a member of the Administrative Committee of the IEEE Industrial Electronics Society and was subsequently elected President of that Society; the first European to be President of any of the 36 IEEE Technical Societies. He has served on the Administrative Committee of the IEEE Power Electronics Society. He participates in the IEEE Neural Networks Committee and has served on the IEEE Technical Activities Board and is a member of the IEEE Transnational Committee.

He has strong links with many branches of industry and is Managing Director of a family Company, Chairman of the Board of several companies and a consultant in electronics, communications, video equipment, medical equipment and office automation.

Candidates for 1990 Region 8 Director-elect



Professor Aldana



Professor Richter

Kurt R. Richter

Dr. Richter received the Electrical Engineering degree Dipl.Ing" (summa cum laude, 1958) and a doctorate "Dr. tech." (1961) from the University of Technology in Vienna.

He was Research Assistant from 1973-75, Assistant Professor from 1962-71 and Associate Professor from 1973-75 at the Institute of High Frequency Techniques of the University of Technology; since 1970 he has been a lecturer in Microwave Measurements.

From 1971-73 he was Senior Postdoctoral Research Associate at NASA Maryland USA and from 1975 he has been Full Professor and Head of the Institute of Fundamentals and Theory in Electrical Engineering at the Graz University of Technology, where he was Vice-dean (1980-82 and 1987-89) and Dean of the Department of Electrical Engineering (1982-87). He is a member of ÖVE, ÖIA, NTG, EARSeL and IAA. He is the author of over sixty scientific publications and has translated a book from English into German. He was winner of the "Kardinal Innitzer Förderungspreis" (1972)

IEEE Activities (M'68-SM'85)

- Hearing Panel Pursuant to Bylaw 112.3 1985.
- Region 8 Jury of Student Paper Contests, 1982-3; Conference Committee Secretary 1987-89.
- Chairman Austria Section 1980-84.
- Societies: Microwave Theory & Techniques - Transactions Editorial Board; Aerospace & Electronic Systems - Space Based Radar Committee.
- Conferences: Geoscience and Remote Sensing - Programme Committee; 1984 Africon - working group Chairman.

For Students

By Mikko Katajamaki - Student Representative.

Hi there students throughout the Region. Soon the summer will be over again and it's time for us to get back to our books, papers and lectures; except those lucky enough to have graduated. If you have I'd like to congratulate you. For the rest of us, remember not to bury yourselves totally under those books of yours for there are still other things just as important as studying. Don't for example forget your Student Branch activities.

We had a wonderful Student Meeting in Lisbon last April. Altogether more than fifty students from Italy, Netherlands, Finland, Belgium, Greece, Portugal, Spain and the Federal Republic of Germany gathered together for a few days to exchange ideas, to learn from each other and to listen or even to take part in the Student Paper Contest. One of the bright ideas that popped up during the Meeting was to establish an electronic mailing system between the branches in Region 8. The Student Branch in Tampere (Finland) came up with a solution where some existing networks are exploited. This means that if one wants to send a mail to all the branches in a mailing list, this can be done by sending just one mail to address:

ieeesb-eu@tut.fi

which redirects one's mail to all the branches on the list. If your branch has access to a computer which is connected to internet or UUCP-network and your e-mail address isn't yet on the mailing list, please contact the postmaster Petri Solanti, who's address is:

pso@tut.fi

and send him a message in which you tell him who you are and what is the name and address of your branch - which will be added to the mailing list. You will also get a list of existing addresses, so that you too can contact any individual branch through the mailing system.

If your branch wasn't represented at the meeting mentioned above and you feel that you would be interested in taking part in such a meeting in the future, keep your eyes on the forthcoming issues of Region 8 News as well as on your post, whether electronic or not, and I believe that you will not miss the next one.

My term as Regional Student Representative comes to an end in December this year. I should like to thank all those I have learned to know in the past two years. Region 8 seems to be full of creative, intelligent, humorous and enthusiastic students and I can say that my successor will have the honour to work in your best interests.

Mikko Kaatajamaki, Dept. of Electrical Engineering, University of Oulu, SF-90570 Oulu, Finland. E-mail: mjk@steks.oulu.fi

Vice-president International?

Current IEEE membership statistics show that in general the non-US Regions have a faster growth than that within the US itself. It is not unreasonable to ask whether the non-US Regions should have a Vice-president whose duty it would be to look after and promote the wellbeing of those Regions. Amongst his aims might be the following:

- To develop the IEEE outside the USA as a truly international organisation, taking advantage of the clear potential for increasing the membership.
- Establish contracts with National Societies and other interested international bodies. Dual membership of IEEE and a National Society should be the normal case.
- Installation of Regional Offices at an appropriate time.
- An international policy covering awards, recognition and membership upgrading.
- Improve publication services. Supplemental editorials in Spectrum and The Institute.
- Working through the established Boards and Committees. seek to establish an effective organisational structure for "IEEE International"

Hugo Rüchardt - IEEE Secretary

UKRI

Region 8 holds an annual Student Paper Competition, the finals of which are held in parallel with one of the Region's major conferences; one author from each paper selected for the finals is given the opportunity to attend the conference free, with reasonable travel and subsistence expenses paid. The first prize is a cash sum (currently \$250) plus an additional sum (again \$250 at present) towards the cost of a trip outside the Region. There are also cash prizes for the second and third places. Although we have had a winner from the UK in the past (Peter Miller, undergraduate at the University of Hull, 1st prize 1982) the response from the students of this Section is usually disappointing. In order to generate more enthusiasm the Section Committee has decided to run a UKRI Section Heat for the Competition. There will be modest prizes for the three best papers in the heat, and commemorative certificates for all heat finalists, who will also be paid their travel expenses to London for the heat final.

The competition is open to all students, undergraduates and post-graduates, who are members of IEEE - final year projects completed by July 1989 are also eligible. Papers need not contain original work and should be

no more than 15 A4 pages in length, including diagrams, references etc. The author's name and affiliations should be given on a *Separate* frontispiece and should not be repeated on the paper itself; this is to ensure independent judging. A separate abstract of up to 300 words should also be included. Multiple authorship is acceptable provided that all the authors fulfill the student membership criterion, however only one author per selected paper will have his travelling expenses reimbursed.

Deadlines: 4 copies of each paper should reach one of the student advisers listed below by September 20th 1989. Heat finalists will be notified by October 15th and will be required to make a half hour presentation on the subject of their papers at Imperial College London in November. Winners will be chosen on the basis of both the written paper and the presentation; the two best papers will automatically go forward to the Region 8 competition.

Dr. J. Christie Dr. D. Dring Dr.
C.E. Taylor, Dept of Electrical Engineering,
University of Hull, Hull HU6 7RX.

Education

This article is based on information extracted from a leaflet produced by the IEEE Committee on Pre-college Education. The data quoted come from a variety of independent investigating sources. Most of the arguments will to a greater or lesser degree, be familiar to us all, and common to all the countries of Region 8, but the suggested remedial action would meet with approval in some quarters and be condemned in others; an agreed solution seems to be as far away as ever. (Copies of the original leaflet may be obtained from: IEEE Washington Office, 1111 19th Street N.W., Washington DC, U.S.A.)

For 200 years, America has committed itself to education as the foundation for its democracy, economy and opportunities for its citizens. The United States has built the largest educational enterprise in the world and currently spends more than \$300 billion annually to educate 58 million students in its schools, colleges and universities. More Americans now go to school for more years than students in any other nation in history. Today more than 60% of US. high school graduates continue with some form of higher education; 40% of the 19-year-olds in the country are full-time students.

Unfortunately, time in school alone is not an accurate measure of what people have learned. Although a quarter of American workers are college graduates, nearly 21 million adults in the United States cannot read even at the fourth-grade level, and many entry-level workers in business and industry lack the basic skills to understand training manuals. While 85% of those in the labour force have completed at least four years of high school, 40% of our high school graduates cannot read at the ninth-grade level, and an additional 600,000 youngsters drop out of school each year.

American industry soon may be forced to hire a million workers a year who cannot read, write or count. The cost to industry of remedial education and lost productivity is estimated to be \$25 billion per year. This is a tremendous handicap to firms trying to compete effectively in world markets.

In numerous international assessments conducted over the past 25 years, elementary and secondary students from America's major economic competitors have regularly outperformed students from the United in tests of mathematics, science and reading. Our children spend less time in the classroom, less time doing homework and more time watching television than do students in other industrialised nations.

Students study modern mathematics instead of arithmetic; geometry without proofs; social studies instead of history and geography; and almost no foreign languages.

Some Examples.

- In mathematics, two thirds of all 17-year-olds could not solve a problem involving several steps; 58% could not find the area of a square given one side. (*National Assessment of Educational Progress - 1982*)
- In science 88% did not know that plastics are petroleum products. 50% of high school students did not know that a star is more like the sun than it is like a meteor, comet, moon or planet. (*Carnegie Commission for the Advancement of Teaching - 1983*)
- In history, more than two-thirds could not place the Civil War in the correct half-century; more than 20% thought that the radio and telephone were created after 1950. (*National Endowment for the Humanities - 1987*)
- In geography, one quarter of the high-school seniors in Texas did not know the country which borders US on the south; and 45% of those in Baltimore could not

locate the United States on a map of the world. (*CBS Affiliates - 1987*)

Advances in technology provide our competitive edge against firms from other nations in virtually every facet of the U.S. economy. The most effective way for American industry to maintain a competitive edge is through a continuous stream of creative scientific and engineering advances in the production of quality products, achieved through investments in people. The results of a poor education, are greater than just economic. They mean more than decreased trade or declining competitiveness. The ability to read, write and reason well enough to function in society is necessary to open doors of hope and opportunity. An ineffective classroom is the surest path to a future of lost opportunities and unfulfilled dreams.

Our children must be taught the basic skills required to become productive members of society and to develop the attitudes and motivation needed to achieve their potential. They must learn the knowledge, traditions and culture that is the shared heritage of America. They need to understand how our democratic institutions work. They must be familiar with other cultures and why they have evolved differently from our own. Our schools must emphasise the fundamentals of knowledge, including reading, writing mathematics and science, as well as history, geography, literature and foreign languages.

The problems of education relate not only to content, but also to attitude and motivation, to self discipline, morality and personal

responsibility. Learning cannot take place in a school where vandalism and crime are common, where drugs and alcohol abuse are prevalent, or where promiscuous behaviour is tolerated. These problems must be addressed not only by schools but also by legislators and parents. There must be an increased family involvement in education and a strengthening of the role of religious institutions by improving children's perception of values, morality and discipline.

Towards Improvement.

There must be more accountability in our schools. Students must be held accountable for what is expected of them; automatic promotions must be abolished. Teachers should not only be held accountable for what students learn, but also should be rewarded with salary increases based on performance. Principals should be given more authority to select and hire the best teachers for their schools, to reward effective teachers, and to replace those who are substandard. Principals must be held accountable for the performance of both their students and their teachers.

Teacher preparation of certification should be made the responsibility of separate organisations. Certification should have one primary goal: to assure that bright, knowledgeable and motivated people are in charge of our classrooms. We should create competition among schools to improve their performance and create more choice for parents to select the schools that their children attend.

Candidates for President-elect 1990

Mr. Merrill W. Buckley



Masters Degree. Thirtythree years with RCA as: engineering manager, technical director, project manager for large systems. Extensive teaching experience. A retired naval officer (telecommunications)

Served on Board of Directors, Executive Vice-president, Director Region 2, Vice-president Regional Activities, and on 18 IEEE Committees including TAB Transnational Relations, Engineering Management Society, Considerable experience of continuing education.

He wishes to see: a more efficient distribution of publications - especially in remote areas, a greater involvement of Region 8 members on IEEE Boards, closer ties between IEEE Technical Societies and Region 8 Sections in the planning of conferences, IEEE policies and procedures that will be sensitive to regional, national, and local interests and traditions.

Mr. Wallace S. Read



Transnationalism is a significant concept for every member of our Institute, whether living inside or outside the United States. One has only to observe our @global village@ in action today on issues of economics, environment, trade and peaceful coexistence to be reassured that our special interest in electrotechnologies fits that picture. The worldwide technical community must stand united and our IEEE is one of the few professional bodies who have recognised this in our constitution and in how we have organised ourselves. Let's keep it that way.

While much of what we undertake in IEEE is done very well, there is always room for improvement. I know you have very special concerns in your Region which seem not to receive the attention they deserve from those responsible for membership services. I refer to issues like: late delivery of publications, delays in processing member applications, inadequate turn around time for correspondence, difficulties in the payment of dues. These are distasteful, frustrating annoyances which need a sympathetic ear and some real action. All are not completely solvable but we can do better. It is my intention this year to work with Secretary Rüchardt and the rest of my colleagues on the Executive Committee to pursue some positive action which can be recommended to the Board of Directors.

A few hundred words in Region 8 News is too short a space to say everything that needs to be said. I would like more time and space to address these issues and to maintain a dialogue with you. Your support at election time will allow this to happen.

Mr. Eric E. Sumner



The world evolves and so must IEEE. Its most important function is to share the ever richer treasure of new technologies throughout the free world - through magazines, transactions, books, conferences, symposia, workshops, courses and electronic information networks. New emerging technologies spawn new publications and societies, as in opto-electronics or neural networks.

The new reality is that the post-World War II Reconstruction era, dominated by the United States, is over. Today's technology is generated about equally in three geographical centres: Europe, North America and Asia. These then must become equal partners in IEEE. This process is already going on: membership is growing fastest in Europe and Asia, major conferences are moving to Europe and Japan. But this inter (or trans) national effort should be sharply accelerated under the leadership of an International Vice-president, to be created promptly.

Issues of professional quality of life including continuing education, compensation and pensions are the province of national boards, which can, however, benefit from international support.

And of course, administrative practices within the IEEE staff need improvement.

Born in Europe, I have been President of the Communications Society, member of the IEEE Board of Directors, and a technical contribution and Vice-president of AT&T Bell Laboratories. If you elect me this September I promise to pursue the above with vigour!

Awards

The Editor regrets that the following awards were omitted from the list on page 11 of the May issue of Region 8 News

Professor Dr. M.R.Schröder

The 1977 W.R.J. Baker Prize

Professor Dr. G.Biegelmeier

1985 Power-life Award



Las Vegas, Nevada, USA
May 14 - 18, 1990

Society for Information Display

1990 International Symposium Seminar Exhibition

SID 90

CALL FOR PAPERS

SID 90, the Society for Information Display International Symposium, Seminar, and Exhibition will be held May 14 - 18, 1990 at Bally's Grand Hotel, Las Vegas, Nevada. This meeting will cover all aspects of information display. SID was formed in 1962 as a worldwide, interdisciplinary professional society committed to the advancement of information display.

Symposium Topics of Interest

Original papers on (but not limited to) the following topics are invited for review.
The work should not have been previously published or presented.

FLAT PANEL DISPLAYS
CRT DISPLAYS
HARD COPY/PRINTERS
DISPLAY SYSTEMS & APPLICATIONS

LARGE AREA DISPLAYS
DISPLAY MEASUREMENTS
IMAGE ACQUISITION & PROCESSING
HUMAN FACTORS

LIQUID CRYSTAL TECHNOLOGY
WORKSTATIONS.
DISPLAY MANUFACTURING
DISPLAY CIRCUITRY & PACKAGING

Deadlines and Key Dates

ABSTRACT DEADLINE: The deadline for receipt of abstract and technical summary is **December 1, 1989**.

LATE-NEWS PAPERS: A limited number of late-news papers, reflecting important new developments, will be considered if an abstract and technical summary are received by **March 1, 1990**.

NOTIFICATION OF ACCEPTANCE	31 Jan	1990
FINAL VERSION OF MANUSCRIPTS DUE	19 March	1990
TUTORIAL SEMINARS	14, 18 May	1990
SYMPOSIUM TECHNICAL SESSIONS	15-17 May	1990
VENDOR EXHIBITS	15-17 May	1990

SID 90 Features

KEYNOTE ADDRESS: J. Pearlman, Chairman & President of Zenith Corp., will speak on spectrum compatible HDTV.

SEMINAR: 15 tutorials on display technology and applications.

EXHIBITS: Over 100 vendors from the U.S. and overseas will demonstrate the latest in displays, components, instruments, and accessories.

VENDOR TECHNICAL PRESENTATIONS: Twenty-minute, scheduled presentations on new products and technologies. These presentations will be held in the Exhibit Hall.

EVENING PANEL DISCUSSIONS

AUTHOR INTERVIEWS

For additional information contact:

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Paul M. Alt, Program Chair
IBM T. J. Watson Research Ctr.
P.O. Box 218, M/S 36-031
Yorktown Heights, NY 10598
(914) 945-2437

Preparation of Abstract & Summary

ABSTRACT: A 35-50 word abstract is required. The paper title and abstract should be prepared with concise, specific information. Be as quantitative as possible, highlighting new details of the development.

TECHNICAL SUMMARY: A 3-7 page **MAXIMUM** technical summary is required covering the following aspects:

- 1) Objective and background: Brief description of the goals and intent of your project as well as background factors which led to the new results.
- 2) Results: A description, in detail, of the specific results that will be presented at the Symposium.
- 3) Impact: A discussion of how your results advance the state of the art and the significance of your work. Compare your results to previously published work.
- 4) References: A short list of relevant references covering projects in related areas.
- 5) Prior publications: Only original papers, not previously published or presented, will be accepted. Please include a statement confirming this. If your organization has—prior to this meeting—published or presented material on similar work, explain how your effort differs.

You are encouraged to include drawings, photographs, and other technical details to allow the Program Committee to evaluate your contribution.

The abstract and technical summary must conform to the following format: the first page should contain the 35-50 word abstract, the authors' names, affiliations, **complete** addresses, and telephone/fax/telex numbers. The summary must contain the first author's name and paper title on each page. **TOTAL LENGTH FOR ABSTRACT AND SUMMARY, INCLUDING ILLUSTRATIONS AND/OR FIGURES MUST BE 8 PAGES MAXIMUM.** If there are multiple authors, please underline the name of the person who will present the paper. The abstract and technical summary must be typewritten on one side of 8 1/2" x 11" or A4 sized pages, double spaced and suitable for reproduction by the Committee. **PAPERS NOT MEETING THESE REQUIREMENTS WILL BE RETURNED.**

Send one reproducible copy of the abstract and technical summary to:

Lynne A. Henderson (SID)
Palisades Institute for Research Services, Inc.
201 Varick Street, Room 1140
New York, NY 10014
(212) 620-3375
(212) 620-3379 fax

Candidate for 1990 Executive Vice-President

Robert S. Duggan, Jr.



It is an honour for me to have been chosen as a candidate for your 1990 Executive Vice-president. This is my fortieth year as an IEEE member, and I have served in many offices - Student Branch, Section, Area, Region, Board of Section, Area, Region,

Board of Directors, and Executive Committee. My extensive background helps me to help you better

My goals are to push steadily for greater Openness to the press, more Opportunities for service to members, more overseas growth for the Institute, and a strong Optimism for our future

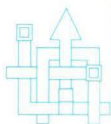
My professional concerns are for greater job stability for our members and a portable pension plan for those who are mobile.

Your vote in the election is earnestly solicited. Remember to vote for the 4-0 candidate, Bob Duggan, for your next Executive Vice-president.

IMEC - IFIP WG 10.2-10.5 International Workshop on:



Applied Formal Methods For Correct VLSI Design



13-16 November 1989 Houthalen Belgium

Information: Luc Claesen, Interuniversity Micro Electronics Center
IMEC vzw, Kapeldreef 75, B-3030 Leuven, Belgium
tel: +32-16-281203 email: claesen@imec.uucp

TURKEY

By Dr. Levent Onural

I am very happy to announce that the IEEE Turkey Section is now formed. According to Turkish law, forming a branch of a non-Turkish organisation in Turkey requires the approval of the Turkish Government. Getting this approval is a very lengthy procedure, but we were successful. The approval is now signed by all the Ministers, the Prime Minister, and the President of Turkey, and published in the Turkish Official Gazette on 24th May 1989. The support of the Bilkent University in getting the approval is appreciated; special thanks go to Professor Özyay Oral, who is the Vice President of the Bilkent University and one of the founding members of the Section. Without his help the Section would not be a reality.

As a newly formed section, we

shall have our elections in the coming weeks. Members will be notified of the date and place of our meetings. One of the first actions of the section will be cooperation with BILCON '90, the Bilkent International Conference on New Trends in Communication, Control and Signal processing. It will be held in Ankara on 2nd-5th July 1990.

I should like to thank those members who signed the petition, and Prof. Öhrvik and Mr. Osborne for their support during the section formation. IEEE members in Turkey, please get in touch with me if you have any questions.

Dr. Levent Onural, Bilkent University, P.K.75 TR-06572 Maltepe, Ankara, Turkey. 90-4-2664040. Fx: 90-4-2664127

SMART CARD 2000



2ND EUROPEAN CONFERENCE ON
I.C. CARDS AND APPLICATIONS,
TODAY AND TOMORROW
Amsterdam, 4 - 6 October 1989 ☎ +31 (20) 751 808

Money

By Mr. R.C. Winton.

This is the last Region 8 News before you receive your Subscription (dues) Renewal Notice. It helps the IEEE administration a great deal if you pay promptly and correctly - here are some notes which might assist both you and the IEEE office.

- If you are able to pay by Credit Card it is simpler and in most cases saves you money.
- Send your remittance by Air Mail and do not forget to add the bank charge if you pay by cheque. Be sure that your membership number is written on the front of your cheque and that your name and address is included, particularly if your subscription is paid by a bank or by your employer. The payment slip must be attached to the cheque.
- Be sure that you pay the correct amount, especially if it is different from the total of the Renewal Invoice because you are making a change in your Society memberships, in the publications you require, or for any other reason.
- If you receive a payment reminder and you have already paid, do not make a second payment. Contact IEEE Field Services (Address below).
- If you believe that IEEE Field Services are not dealing with your problems efficiently, contact your Section Chairman. If you do not belong to a Section then write to the Director of Region 8 (his name and address is given below).
- Should your membership have been stopped and must be renewed, be sure to request the back issues of all the journals you normally receive.

IEEE FIELD SERVICES: 445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331, USA. Telex 833-233: Fax (201) 981-0027.

REGION 8 DIRECTOR: Professor Sven-Olof Öhrvik, Vinstavagen 20, S-16354 Spanga, Sweden. Telex 13545 ERICA S: Fax +46 46 12 99 48.

A Workshop on

BRAIN SIGNALS AND COMPUTERS

will be held in
Tihany (Hungary) 16-20th October 1989

For
Neural Anatomists and Electronic Engineers

To
Explore some recently discovered analogies between
living organisms and artificial architectures.

There will be
Invited tutorials and short contributions devoted to
new experimental and theoretical results relevant to
both groups of experts.

For further information please contact: Ms. Katalin Hajue,
Int. Dept. Hungarian Academy of Sciences, Műnch F.-u.7,
Budapest H-1051, Hungary.
Telex: 22 41 39. Phone and Fax: +36-1-176 215.