

IEEE Region 8 newsletter



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
INCORPORATED

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ELECTION OF REGIONAL DIRECTOR FOR 1975-6

Below are statements from Professors Bolinder, Francini and Stumpers, who are candidates for the office of Regional Director for the years 1975/1976.

I strongly urge all members to exercise their vote and if they have not already done so, to send in their ballot papers by **Airmail** to meet the deadline of **noon of November 1st 1974**.

C. REGINALD RUSSELL



Prof. E. Folke Bolinder

Region 8 is composed of countries with different languages, religions, cultural and historical backgrounds, and political and educational systems. This makes the job of Regional Director a difficult one but also an interesting and challenging one. Some countries have strong national engineering societies and student associations. Therefore, the key word for IEEE in Region 8 is the word "Co-operation". Good examples of such co-operation are the first EUROCON '71, organized by Region 8 in co-operation with leading European

national engineering societies, and EUROCON '74 organized by Region 8 and the Convention of National Societies of Electrical Engineers of Western Europe. It is important that this co-operation continues in the planning of EUROCON '76. Region 8 should also continue to sponsor other technical conferences inside Region 8. Student Branches should co-operate with national student organizations in common activities, ties should be developed between Student Branches and local Sections, and student member drives and student activities should increase. We must remember that the student is the backbone of IEEE and that a big percentage of the Student Members remain in IEEE and become regular Members. As a former and now again the present Student Activities Chairman of Region 8 I quite naturally believe that whatever we do in keeping the student with good technical literature, good technical meetings and conferences, good educational tools, interesting student paper contests, and student exchanges between countries in Region 8 will be of great value not only to the student but to the benefit of the whole IEEE.

During many Regional Committee Meetings I have seen Williams, Wellinger, Jespers and Russell in action. Their good work should be continued in the same progressive spirit they have shown. Last, but not least, I strongly believe that the Region 8 Newsletter is a good connecting link between all members and that it should be continued by all means.



Prof. Giuseppe L. Francini

My intentions, if elected, are to improve co-operation with industrial organizations and national societies. To promote interest in technical problems for which a short-term solution can be foreseen. To promote student activities.



Prof. F. Louis Stumpers

Most people join IEEE because of the quality of its publications. In my opinion the "Spectrum" should be for engineering, what "Scientific American" is for science. If this were an agreed goal, we might think over, whether further steps have to be taken in this direction. The Regional Newsletter might be improved, if only we knew what you, the readers, expect from it. Transactions and Proceedings some of which most Region 8 members subscribe to, have to keep up to their high standard.

The Section meetings are in many cases organized jointly with national Societies. The distinguished speakers program should make such co-operation more attractive.

The international Symposia on Information Theory have been held in Brussels, San Remo, Noordwijk, Ashkalon, and Stockholm is getting its turn. I regret that the Communications Society did not get further from its base than Montreal. I hope that more Groups and Societies will come to Region 8 for their international meetings in the future. The student activities and the student contest remain important for IEEE. (I had expected more students at the Amsterdam Eurocon). The Eurocon meetings have given important results. The first one cemented the co-operation of the National Societies of Electrical Engineers of Western Europe into a Convention, and there was a fine spirit of co-operation between the officers of IEEE and the Convention in Amsterdam. The second Eurocon promoted a stronger co-operation between the European communications scientists, and a Regional Chapter of IEEE Communications Society might well be a good partner. The Program of the third Eurocon has still to be decided. In my opinion communications might well be the central theme, with computers and electronics included in so far as they are important for communications. Whatever choice will be agreed upon, I would hope that no international meetings on the same theme will be organized in Western Europe during some time before and after Eurocon III. What we have learned from the first and second Eurocon should help to make the third Eurocon successful but I do not think it is an easy task. "A typical IEEE member attends very few of its meetings, and does not actively participate in IEEE Affairs" (Spectrum, Dec. '73). The action we ask now is to vote for a Regional Director.

PUBLISHED QUARTERLY		JAN.	APRIL	JULY	OCTOBER
DEADLINES	News to Editor	Dec. 7	Mar. 7	June 7	Sept. 7
	Advertisements to Sweetman & Fordham	Dec. 15	Mar. 15	June 15	Sept. 15
	Delivery inserts to County Secretarial Services	Jan. 1	Apr. 1	July 1	Oct. 1

INSTITUTE NEWS

Publications

Members will be pleased to learn that a four-page instructional pamphlet has been circulated to all officers of IEEE Boards, Committees, Divisions, Societies, Groups, Conferences; Regions, Sections, Subsections, Chapters and Branches giving in complete detail the procedure to be followed for ensuring the rapid delivery throughout Regions 8, 9 and 10 of all time-sensitive publications. Particular mention is made for Calls-for-papers, Announcements and Newsletters. The material is delivered in Europe within one week and in Asia usually within two weeks.

Broadcast and Television Receivers Group changed to Consumer Electronics.

At the May 18-19 1974 Executive Committee meeting, a petition for changing the Broadcast and Television Receivers Group to Consumer Electronics was unanimously approved. The new field of interest statement is given below:

"Article III—Section II. The field of interest of the Group shall be that which stems from the design of, manufacture of, and other activities related to electronic consumer products and shall include scientific, technical, industrial, standardization or other activities that contribute to this field or utilize its techniques or products. This definition includes electronic equipment for sound reproduction, picture reproduction, and related devices normally used by the consumer for educational, informational, and leisure-time entertainment purposes."

IEEE Membership

It is pleasant to be able to report that once again the membership of IEEE has increased. The total at the end of June was 3.0% or nearly 4,750 more members than last year at the same time. There were increases in both the Non-Student and Student totals.

The Popov Society

The Popov Society has once again invited qualified delegates from IEEE to the annual Congress to take place in Moscow during May or June 1975. Conference theme will be related to the technologies of IEEE Division I. Interested members should begin the application procedure by applying to their G/S president. Further information is available from Audrey van Dort. (See Spectrum, June, page 82).

REGION 8 NEWS

Communications Society

The IEEE Communications Society has recently appointed Prof. Esposito as Associate Editor for European Contributions for the Transactions on Communications. Therefore potential European contributors to that journal may send their papers directly to him at the following address: Prof. Dr. Ing. R. Esposito, Direzione Tecnica, Selenia S.p.A., Via Tiburtina Km. 12.400, Rome, Italy 00131.

Transnational Speaker Tours

Any member organizing lectures under this arrangement should note that Mrs. Mary-Jo Vogelsang has taken over the responsibilities at Headquarters in New York from Peter Edmonds.

Dr. O. P. Malik, Associate Professor of Electrical Engineering, The University of Calgary, 2920 24 Ave. N.W., Calgary, Alberta, Canada, is now at Laboratoire D'Electrotechnique et D'Electronique Industrielle, Institut National Polytechnique de Toulouse, 2 Rue Charles Camichel, 31071 Toulouse Cedex, France. He will be there until about

New Staff

John Tagler joins IEEE Standards in international standards co-ordination. Having received his M.S. in Information Science, Mr. Tagler has a background in trade association work.

Russell Marhefka is another addition to Sava Sherr's work force in Standards. He will study a certification plan for safety-related electrical equipment in Nuclear Power Generating Stations. Associated with Insurance Company of North America and General Electric prior to joining IEEE, he holds a B.S. from Polytechnic Institute of Brooklyn and an M.S. from Drexel University.

Publication Board News

IEEE Press has published a new volume of selected reprints entitled "Key Papers in the Development of Information Theory". The collection, edited by David Slepian of Bell Laboratories and the University of Hawaii, contains 48 papers on the classical source and channel, rate distortion theory, and many-terminal channels. (Price: clothbound, non-members \$14.95, members \$11.20; paperbound, members-only, \$7.50).

Agreement in principle has been reached with the Soviet Union for their continuing to translate "Proceedings of the IEEE" into Russian. A royalty arrangement was negotiated as a result of the USSR joining the Geneva Copyright Convention.

Student Branches will be allowed to purchase one set of all IEEE publications at the Student rate. Branches would use these materials to set up a Branch Library.

IEEE Index for 1973 is new, improved and available. The two-volume author and subject reference now includes Conference Records, and Standards as well as Transactions, Proceedings and Spectrum (\$17.50).

Inspec Key Abstracts

Inspec Key Abstracts may be a solution to the problem of keeping up with international electronics literature. The monthly abstracts are compiled from 2000 technical sources world-wide. Publication begins in January 1975 and subscribers may choose one or more of the six titles: Power Transmission and Distribution, Industrial Power and Control Systems, Systems Theory, Communications Technology, Electronic Circuits and Solid State Devices. Sample copies of the latter title as well as order information are available from Donald H. Gieb, Marketing Manager—INSPEC. Member subscription price: \$19.50, others: \$35.00.

mid-summer 1975. He lectures on Application of optimal controls in power systems, Digital control of a generating unit in real-time, Dual-excited synchronous machines. Invitations should be sent directly to the speaker with copies to the IEEE Region 8 Director, Mr. C. R. Russell, 14 Warwick Road, Ealing, London, W5, UK, who has abstracts of each lecture.

International Solid State Circuits Conference

This Conference will take place in Philadelphia, 12-14 February 1975. Attempts are being made to produce an attractive itinerary for group travel for delegates attending this event from the UK and Europe. Tours operating from London, at the present time, can be marketed at a much lower price than if they depart from other European points owing to the parity of Sterling against European currencies. Anyone wishing for further particulars should write to Meon Travel Agency Ltd, 32 High Street, Petersfield, Hampshire, England.

MEETINGS IN REGION 8

6th International Congress on Microelectronics

The Congress will be held in the Munich Fairgrounds 25 to 27 November 1974. Opening addresses are by Dr. A. Prommer (Siemens) and Dr. J. A. Hornbeck (Bell Laboratories). Each subsequent day has four invited papers in the morning and is seeking for papers to be submitted for the afternoon sessions. The themes for the three days are technology, devices and application. Final date for acceptance of submitted papers was 9 September. Those wishing to attend the Congress should write to the Kongresszentrum of the Munich Fair Authority.

1975 International Conference on Composite Materials

The Metallurgical Society of AIME with the co-operation of the IEEE

Electrical Insulation Group will sponsor two back-to-back special symposia in 1975 on composite materials. The Institute of Metals Division (IMD) has formed an International Conference Committee composed of members from six national societies active in the field, and will also have six foreign countries represented.

The first meeting will be held in Geneva, Switzerland, during the week of April 6 1975; the second, in Boston the following week, to report and discuss the papers given in Geneva and to present additional selected papers.

For information regarding submission of papers, contact either Alexander R. Scott, Executive Secretary, TMS-AIME, 345 E. 47th St., New York, N.Y. 10017, or Dr. E. Scala, P.O. Box 1362, Cortland, N.Y. 13045.

Intermag 75

The latest of the series of international magnetism conferences (Intermag) will be held at Imperial College, London, England, from 14 to 17 April 1975. For further particulars consult the Secretariat, c/o The Institute of Physics, 47 Belgrave, Square, London, SW1X 8QX, England.

1975 IEEE Electrical and Electronics Engineers Convention

Electrical and Electronics Engineers in Israel and elsewhere are invited to submit original papers on the subjects of the convention, as well as papers on novel technological developments in these fields. The Conference will be held in Tel Aviv, 21-25 April 1975 and is sponsored by the Israel Section of the Institute of Electrical and Electronic Engineers.

A 400-word summary of the paper, in Hebrew or English, should be submitted, in triplicate to: The Technical Committee, The Ninth Convention of Electrical and Electronic Engineers in Israel, POB 29234, Tel-Aviv, Israel. The summary should include a short description of the paper and indicate the main contributions of the paper. If necessary, drawings and references should be included. Those who submit summaries will be notified by the Technical Committee by 15 November 1974, whether their papers have been accepted for presentation. Instructions concerning the preparation of the final paper will be attached to the acceptance notification. The complete papers, preferably in English, must be submitted to the Technical Committee not later than 15 January 1975.

1975 Conference on Piezoelectric and Pyroelectric Materials and Applications, London, 4-7 November 1975.

Organized by the Institution of Electrical Engineers in association with the Institute of Acoustics Engineers, the Institute of Electrical and Electronics Engineers (UK and Republic of Ireland Section), the Institute of Physics and the Institution of Electronic and Radio Engineers.

The Conference is planned to interest those concerned with the

preparation, properties and applications of piezoelectric and pyroelectric materials including the relevant aspects of ferroelectric materials.

The scope will include

Materials. Preparation and properties of relevant crystals, ceramics, thin films, semiconductors and plastics. **Measurements.** Piezoelectric and pyroelectric measurements: stability with time and temperature: environmental testing. **Applications.** Frequency selection and control; high voltage, sonic and ultrasonic generators; pick-ups, sensors, displacement devices, small motors, delay lines; surface acoustic wave, acoustoelectric and pyroelectric devices and systems.

Those intending to offer a contribution should submit a 150-200 word synopsis to the IEE Conference Department by 3 February 1975. Further information may be obtained from the IEE Conference Department, Savoy Place, London, WC2R 0BL.

Conference on Signal Filtering, London, 1-4 December 1975

Organized by the Institution of Electrical Engineers in association with the Institute of Electrical and Electronics Engineers (UK and Republic of Ireland Section), the Institute of Physics, and the Institution of Electronic and Radio Engineers.

The Conference aims to provide a forum for reviewing recent advances in the theory and technology of signal filtering and to provide a comprehensive review of the state of the art.

The scope will include

Analogue filters (passive and active); Digital filters; Microwave filtering; Special filtering techniques; Filtering methods and applications (a) signal shaping and recovery, (b) signal acquisition, (c) adaptive methods, (d) 2-dimensional filtering, (e) filters in communications channels; Measurement of filter performance.

Those intending to offer a contribution are required to submit a 250 word synopsis by 20 January, 1975.

Further information may be obtained from the IEE Conference Department, Savoy Place, London, WC2R 0BL.

STUDENT ACTIVITY NEWS

Bendix Award Deadline

The Bendix Award deadline changed to 15 November. Check the planning package when it arrives for a brochure, a new poster, an entry form, and rules. Also, look for abstracts of last year's winners. The award recognizes outstanding technical projects among Student Branches.

Transfer of Records

Transfer of records to new officers should have been done prior to the summer break. Plans for full programming should be organized so that no time is wasted upon your return. Make sure that Headquarters has received the names and membership numbers of the new officers, so that the right person will start receiving the information needed to effectively run your Branch.

Student Hams

Student hams and Branch stations can be listed in the second edition of a directory being compiled by Bob Asdal. The first edition contained over 250 names. To be published in mid-1974, you can be included by contacting the Headquarters Student Services office.

Ham net comes alive 9.9.74 over North America. W5YM at University of Arkansas will be on the air at 9:00 p.m. CDT, 0200 Z hours on a network frequency of 3.785 MHz. Plans call for monitoring this frequency on the second and fourth Monday of each month through May. Write to Bob Asdal for a free copy of the 1974 Directory of IEEE Student Hams. "Whiskey 3 Ivy Edward Edward calling CQ..."

Student Counsellors in Region 8

With the start of the new academic year all student members should note the following list of names and addresses of Counsellors and make every effort to ensure that new students are made aware of the facilities available to student members of IEEE. Students interested in promoting Branch activity in their own College or University should make contact with their Counsellor (if listed), with their Section Chairman (names and addresses given in Newsletter No. 26, April 1974) or with the Chairman of the Region 8 Student Activities Committee, Prof. E. F. Bolinder, Chalmers University of Technology, Division Network Theory, Fack S-40220, Gothenburg, Sweden.

BENELUX

Prof. O. W. Memelink,
Twente **Student Branch**,
Techn. Hoogeschool Twente, Afd.
Elektrotechniek, Enschede,
Netherlands.

Prof. A. Danthine,
Liège **Student Branch**,
Université de Liège,
49, avenue des Tilleuls,
4000 Liège, Belgium.

Prof. M. Installé,
Louvain **Student Branch**,
Catholic University Louvain,
Electronic Research Lab.
Bâtiment Maxwell,
1348 Louvain-La-Neuve, Belgium.

Prof. R. Van Overstraeten,
Leuven **Student Branch**,
Fys. Elekt. Halfgeleiders,
94 Kardinaal Mercierlaan,
3030 Heverlee, Belgium.

Prof. J. Hoffmann,
Université Libre de Bruxelles,
50 av. F. D. Roosevelt,
1050 Bruxelles, Belgium.

Prof. H. J. Butterweck,
Techn. Hoogeschool Eindhoven,
Afd. Elektrotechniek,
Eindhoven, Netherlands.

Prof. J. L. J. van der Werff,
(**Student Branch**),
Hogere Technische School voor Radiotechniek,
en Elektronika, Kleine Houtweg 31,
Haarlem, Netherlands.

DENMARK

Mr. E. Nilsson,
Copenhagen **Student Branch** (section),
Technical University Denmark,
Lab. of Elektromagnetic Theory,
Lyngby, Denmark.

EGYPT

Prof. Ahmed K. M. A. Kamal,
Cairo **Student Branch**,
University of Cairo,
Faculty of Eng.,
Giza, Cairo, Egypt.

Prof. Saad-El-Din Yousef,
Ein-Shams **Student Branch**,
Electrical Eng. Dept.,
Faculty of Eng., University of Ein-Shams, Egypt.

Prof. El Abd,
Faculty of Engineering, University of Alexandria,
Alexandria, Egypt.

FINLAND

Prof. Seppo Halme,
Helsinki **Student Branch**,
Technical University Helsinki,
Otaniemi, Finland.

FRANCE

Prof. E. Bailleu,
ESIEE **Student Branch**,
Ecole Supérieure d'Ingénieurs d'Electrotechnique et Electronique,
81, rue Falguière, Paris 15e, France.

ISEP Paris **Student Branch**,
Institut Supérieur d'Electronique,
55 rue Greffuhle, 92 Levallois-Perret, France.

Prof. J. Hebenstreit,
SUPELEC **Student Branch**,
Ecole Supérieure d'Electricité,
10 av. Pierre Larousse, 92 Malakoff, France.

Prof. P. Vidal,
Lille **Student Branch**,
Université de Lille, Faculty of Sciences, Lille, France.

Prof. P. Hirschler (**Student Branch**)
Ecole Nationale Supérieure des Télécommunications,
46 rue Barraut, Paris 13e, France.

Mr. J. Vanderberghe,
Institut Supérieur d'Electronique du Nord,
3, rue Francois-Baës, 59 Lille, France.

GREECE

Prof. Nikolis,
University of Patras,
Patrai, Greece.

ISRAEL

Prof. Ch. Ur,
Tel Aviv University **Student Branch**,
Tel Aviv, Israel.

Prof. I. Navot,
Institute of Technology **Student Branch**,
Haifa, Israel.

Prof. Daniel Tabak,
Dept. of Electrical Engineering,
University of the Negev,
Beer-Sheva, Israel.

MIDDLE AND SOUTH ITALY

Prof. V. Cimagalli,
Università di Roma **Student Branch**,
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Via Eudossiana, 18, 00184 Roma, Italy.

Prof. F. Cappuccini,
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Piazzale Tecchio, 80125 Napoli, Italy.

NORTH ITALY

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Istituto di Elettronica e Telecomunicazioni,
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Ing. G. Cottafava,
Università di Pavia, Pavia, Italy.

SPAIN

Prof. J. A. Martin-Pereda,
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ETS Ingenieros de Telecomunicacion,
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SWEDEN

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Chalmers University of Technology,
Div. Network Theory,
Fack, S-402 20 Gothenburg 5, Sweden.

Prof. Lennart K. A. Stigmark,
Lund **Student Branch**,
Lund Institute of Technology,
E. E. Dept, Fack, S-220 07 Lund, Sweden.

Prof. Gunnar N. Petersson,
Stockholm **Student Branch**,
Royal Institute of Technology, E. E. Dept,
Fack, S-100 44 Stockholm, Sweden.

Prof. Per Arne Tove,
Uppsala **Student Branch**,
University of Uppsala,
Institute of Physics,
Fack, S-751 01 Uppsala, Sweden.

Prof. Tore Fjällbrant,
Linköping University,
S-581 83 Linköping, Sweden.

SWITZERLAND

Prof. F. Eggimann,
Swiss Section **Student Branch**,
Imfeldstrasse 37,
CH-8037 Zürich, Switzerland.

Prof. F. De Coulon,
Lausanne **Student Branch**,
Ecole Polytechnique Fédérale,
Chaire d'Electronique,
16 chemin de Bellerive,
1007 Lausanne, Switzerland.

UKRI (United Kingdom and Republic of Ireland)

Prof. Turner,
UKRI Section **Student Branch**,
University of London,
Kings College, London, England.

YUGOSLAVIA

Prof. Albin Wedam,
Ljubljana **Student Branch**,
University of Ljubljana,
Fakulteta za Elektrotehniko,
Trzaska 25,
61000 Ljubljana, Yugoslavia.

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