

Andre Have sent a similar package to Prof. Ann (Korea) by airmail Bob

IEEE Region 8 newsletter



NEXT ISSUE - FEBRUARY '83

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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
INCORPORATED

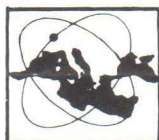
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IBM Deutschland GmbH, Postfach 80 08 80
7000 Stuttgart 80, Federal Republic of Germany

No. 60 NOVEMBER 1982



MELECON '83

ATHENS GREECE MAY 24 - 26 1983



The Mediterranean Electrotechnical Conference 1983 will cover topics in Energy and Information Systems with special emphasis on applications of interest to the Mediterranean countries. It will provide an opportunity for interaction among the electronic, computing and power communities in the area. The conference will concentrate on the following three areas of interest in parallel.

Solar Energy and Electric Power Systems

Photovoltaics; Solar-thermal electricity and solar ponds; Wind power systems; Economic modelling of energy systems; Reliability, monitoring, and flow control in power systems.

Communication Systems

Transmission systems (codecs, modems, channels); Communication switching and traffic theory; Transmission, transportation and communication networks; Computer communications and data transmission; Communication needs in the Mediterranean countries; Micro-waves, antennas and optical communications.

Computers

Microprocessor applications; Control and industrial automation; Computer modelling and evaluation of performance; Distributed processing and data bases; Trends in software development; Simulation and mathematical foundations of computing; Applications in government, medicine, and office automation.

Two-days tutorials in the above fields, conducted by distinguished instructors, will be organized to follow the technical programme of the conference.

MISCELLANEOUS PROGRAMMES AND EVENTS

A Young Engineer Contest for graduates under 28 years will be included in the Conference on the basis of papers accepted for presentation.

Special arrangements and participation at a reduced price will be provided for students.



The 'Tholos' of Marmaria, Delphi - the seat of the Oracle of ancient times.

The annual IEEE Region 8 Student Paper Contest will be held during the Conference. Events during and after the Conference will include social gathering, visits to archeological sites and acquaintance with ancient, medieval and modern Greek cultural life.

A special programme will be organized for persons accompanying the participants.

INFORMATION

For all information, registration forms, submission of summaries and papers, please write to:

MELECON '83 Secretariat, c/o Prof. E. N. Protonotarios, National Technical University, 42 October 28 Street, Athens (147) Greece.

NEWS OF THE SECTIONS

DENMARK SECTION (Chairman: Dr. Stig Skelboe)

The Section has been very active in 1982, and ten technical meetings on the following subjects have taken place:

Digital image processing; Personal computers; The Danish View-Data project; The academic engineering research environment in USA; Reliability of electrical and electronic systems; Nonlinear dynamics of Josephson junction models; Relational analysis and content addressing; Demands on current and future computer systems; Pattern recognition methods for inspection of IC's; The prospects for Denmark in the IC's area.

Two more meetings are scheduled for the fall.

The Denmark Section has now succeeded in establishing a Student Branch. The first Executive Committee was elected 22 February 1982, and it has started arranging technical meetings and visits to companies etc. As a fine start for the Student Branch, two of its members, T. R. Andersen and S.B. Nielsen, won the Region 8 Postgraduate Student Paper Contest with their paper, "An efficient single output fuzzy control algorithm for adaptive applications".

In connection with EUROCON '82, an IEEE stand was arranged by the Denmark Section and the Region 8 Membership Development Officer,

CONTENTS

MELECON '83	1
News of the Sections	1
Report from the Regional Director	3
Region 8 meeting - Versailles	3

Student News	4
Meetings in Region 8	4
Delivery of Technical Journals	6
Advertising and Insert Rates	6

Peter Peiser. Michael Giddings was most helpful in operating the stand, assisted by members of the Danish Student Branch. The stand was well equipped with brochures and samples of IEEE publications, and it was well attended by the conference participants. The number of Danish IEEE members is now 320, compared with 290 at the beginning of EUROCON '82, four months ago.

The Region 8 Committee met in Denmark in connection with EUROCON '82, and the Committee was honoured by the presence of the IEEE ExCom and the TAB OpCom. Members of the three bodies had the opportunity to exchange points of view and information.

EGYPT SECTION (Chairman: Dr. Salah Amer)

1982 is the 25th Anniversary of the founding of the Egypt Section. Its establishment was due to the efforts of Professor Hamman Mahmoud and members may wish to refer to Proc. IRE – December 1956 for an article written by Prof. Mahmoud to mark the occasion. The Jubilee was celebrated by a two-day symposium on The Development of Electronics Industry in Egypt and by a visit from the 1982 IEEE President, Dr. Robert Larson, who gave an interesting lecture on "Power Systems Scheduling".

1983 IN GENEVA

TELECOM S

TELECOM S

4th World Telecommunication Exhibition
October 26 to November 1, 1983
Geneva's new Exhibition and
Conference Centre

where the international communications
community meets to see and discuss
the broadest range of systems and
products at the world's largest, most
prestigious and only universal
communications show...

Exhibition - Forum - Book Fair

Golden Antenna Film Festival

Since 1956 the Section has made continuous efforts to increase membership and currently there are 174 members including 37 students. A subsection which will help to promote membership is to be established in Alexandria and it is expected that by the beginning of the academic year 1982/1983 student membership will be increased to over 55.

Continuing Education. Among its many activities the Section gives special attention to Continuing Education and the following courses, lasting one month each were started in October 1982:

A Practical Guide to Light-wave Communication; Programming in Basics; Computer Automated Measurements and Control; Project Management; Power Systems Relaying; Optical Telecommunication Links.

Conference Activities. A two-day symposium on "The Development of Electronic Industry in Egypt" was held on 10-11 May 1982 and the topics presented were:

Introduction – by Dr. Salah Amer (Chairman); History of the electronics industry in Egypt; Development of electronics industry abroad; The Electronics industry in developing countries; Future of the electronics industry in Egypt; Plans for the development of telecommunication systems; Plans for the development of sound and TV broadcasting; Plans for the development of education in electronics; Role of research and training; Micro-electronics.

More than 120 engineers, specialists and students attended the symposium.

Section Committee Meetings and Elections. The committee held six meetings. Dr. Salah Amer, the Section Chairman was made responsible for awards and fellowships, Dipl.Ing. Abdel-Latif Ahmed for membership and continuing education and Prof. Bilal for student activities.

Section Meetings. In 1982 the following meetings and lectures were held:

23 March: "Energy and the Future" by the local Energy Committee staff.

12 April: "Modeling and Computer Control of Industrial Processes" by Professor P. W. Hogg – Belfast University.

3 May: "Power Scheduling" by Dr. Robert Larson – President of IEEE.

10/11 May: "Symposium on the Development of the Electronic Industry in Egypt" – (see Conference Activities – above).

4 August: "Transmission and control of large blocks of Electrical Power Using HVDC Systems" by Professor Dillon.

24 August: "Research and Education in Advanced Computer-controlled Systems" by Prof. Dr. Mansour – Zurich ETH.

10 October: "Recent Applications of Fast Breeder Reactors" by Dr. M. Walter Kistler.

Future programmes will concentrate on computer applications, nuclear and solar energy and modern telecommunication systems.

Symposia. It is planned to hold symposia in the following areas:

Safety systems for nuclear energy power plants; Micro-electronics; Modern telecommunication systems (Electronic switching – optical links).

Co-operation between IEEE and the Local Egyptian Society for Electrical and Electronics Engineers. This is carried out within the framework of the Agreement between the American ASA and The Society of Egyptian Engineers.

GREECE SECTION (Chairman: Prof. C. C. Halkias)

The section's main activity has again been focussed around the organisation of MELECON '83. With the deadline for submission of abstracts approaching (30 September) the flow of incoming contributions was increasing and the final number of received papers has now exceeded 200. It appears that this will be a truly Mediterranean Conference, judging from the preponderance of applications from Mediterranean countries as well as from the fact that the submitted abstracts fall within the area's special interests and problems. On the other hand it is worth noting that interesting contributions from as far as Latin America and India will be presented next May in Athens.

Section-wide elections for new officers were held in July with the following results.

Section chairman: Professor C. C. Halkias, National Technical University of Athens; Vice-chairman: Professor M. Stringis, University of Thessaloniki; Secretary/Treasurer: Dr. G. I. Stassinopoulos, National Technical University of Athens.

After completion of his two terms in office the previous section chairman was not a candidate in the last elections.

The Section has continued its lecture and seminar programme, which has now been established in the Greek scientific community. Seven lectures were given as part of an ongoing seminar on computer networks and an additional six dealt with various other topics, such as computer and microcomputer architecture, optimal control and stability of power systems. Speakers from abroad included Prof. D. Tabak from the Ben Gurion University and Prof. H. Sussmann from Rutgers University. Prospects for the current academic year are equally encouraging with first speaker Prof. G. Vansteenkiste from the University of Ghent.

A series of 16 lectures on Microprocessors and their Applications was organized in May/June 1982. This video-cassette based seminar was co-sponsored by the Fulbright Foundation and has found a large response (average attendance, 50 persons), so that its repetition is envisaged in the near future.

REPORT FROM THE REGIONAL DIRECTOR



Prof. Dr. Walter E. Proebster
Director Region 8 1981-82

At the October meeting of the Region 8 Committee in Versailles, France, the Committee agreed that we should enter into a new activity, namely the issue of policy statements on major technical and professional issues jointly with the Convention of National Societies of Electrical Engineers of Western Europe (EUREL). The issue of joint statements forms part of an agreement between the IEEE and EUREL which was signed in June by the Presidents of both organisations, and which remains to be ratified by the EUREL General Assembly.

At our meeting in Versailles the Committee suggested that the subject of the first joint statement should be freedom in the

exchange of information on technological developments. This is already a subject of major importance in the USA, where the IEEE Board of Directors has protested to the US Government about the serious restrictions on information exchange which the US Government is considering.

The Region 8 Committee is very much concerned, as it was last year, at the high number of members who have not paid their dues or, if they have, whose payment has not been recorded on the IEEE computer. There are many reasons for these arrears, and I recognise that in a number of cases members are not at fault. However, failure to follow the rules for payment is a frequent cause of payments not being recorded, and I would ask members please to follow these rules carefully. At the same time I am pleased to tell you that, as a result of a request from the Region Committee last June, payment procedures at IEEE Headquarters are to be reviewed shortly and I have every confidence that this will lead to fewer administrative difficulties. May I also draw your attention to a new payment facility; you can now pay your

dues for more than one year at the current rate. This facility will simplify your payment arrangements; you will find details with the notice accompanying your Dues Renewal Notice.

Region 8 conference activities are going strongly. We plan a first African conference in the Autumn of 1983 in Nairobi, Kenya, on the themes of Communication and Power Engineering. I expect that by the time this conference is held the Kenya Section will have been formed. I have space to mention only one more of our conference activities, and I wish to highlight the Tutorials which Region 8 is organising in co-operation with the IEEE Computer Society and the Society for Industrial Electronics, with the welcome support of local technical universities. These Tutorials will take place as part of the Hanover Fair, (to be held on 15-20 April 1983 in Hanover, Federal Republic of Germany) and cover eight themes including office automation, graphics, robotics, and microelectronics.

Because of the increase in Region 8 membership, which has risen to about 13,000, and also because of the increase in our activities, the Region 8 Committee is anxious that the representatives they have appointed to be responsible for Awards and Fellows, Continuing Education, Conference Co-ordination, Membership Development, and Student Activities, should receive assistance. If you are interested in assisting please write to me, advising me of your experience and in which of the areas I have mentioned you are interested. You will find my address at the top of the front page of this Newsletter.

My two-year term as your Director ends on 31 December. I acknowledge most gratefully the contributions made by many devoted IEEE members, without which I could not have developed and implemented new concepts and activities from which I hope many of you have benefited.

I send you all seasonal greetings and my very best wishes for success and happiness in 1983.

I have enjoyed serving you.

WALTER E. PROEBSTER

Boeblingen, Federal Republic of Germany

October 1982

REGION 8 MEETING - VERSAILLES

The 40th Meeting of the Region 8 Committee took place on the 9-10 October 1982 at Versailles, France.

The purpose of these twice-yearly meetings is to discuss the progress and development of the various activities in the Region and to consider methods of improving and expanding the services available to members. It would not be possible to report the entire proceedings in this newsletter but members may be interested to hear the following:

Finance

Dr. Herbert May (Treasurer) reported that the Region's financial situation was good although there were still problems over subscription renewals (see Director's Message). Budget forecasts for the next three years were also encouraging.

Membership Development

The meeting heard from Dr. Peter Peiser (Appointed Representative for Membership Development and Chairman of the Middle & South Italy Section) that membership within the Region continues to rise and there had been an overall increase of nearly 10% during the last year. Although some sections have encountered difficulties due to the political situation in their countries, most are adding new members at a steady rate.

New Section

It is hoped that a new Section will be formed in Nigeria where a growing number of members is keen to take a greater part in IEE affairs. The normal practice is that 50 members are required to form a Section but Headquarters may under certain circumstances approve the establishment of a Section when a petition is received from less than that number.

Proposal for Director-Elect

The Region 8 Committee has been aware for some time of the advantages to be gained by providing more opportunities for the Director-in-office to pass on his information and experience to his successor. Discussion took place both on an earlier suggestion that the nominations for Director be brought forward by a year with the present electoral procedure remaining unchanged as well as on a new proposal for the creation of an office of Director-Elect who would be elected by the members and become a member of the Region 8 Committee for one year before automatically assuming a two year office as Director.



Region 8 Committee in informal session in Versailles.

In view of the importance of this matter it was decided to ask each Section Chairman to carry the discussion back to his Committee and possibly also to his Section members in order that representative views from the Region could be fully considered at the next Regional Committee meeting which will be held in Athens at the end of May 1983.

Awards and Fellows

Prof. E. Folke Bolinder (Awards and Fellows) again stressed to the committee the need for the encouragement of members to submit to him names of their colleagues suitable for awards or for Fellow grade of membership. His address is:

Professor E. Folke Bolinder, Chalmers University of Technology, Division of Network Theory, S-41296 Gothenburg, Sweden.

Professor Proebster

The current Director, Professor Walter E. Proebster, ends his term of office on 31 December. Members of the committee expressed their great appreciation of the work he has done and the contribution he has made to the Region in the last two years.

STUDENT NEWS

At a meeting held in Paris on 9-10 October, the Region 8 Committee approved a proposal which originated from the discussion with the Student Branch Counsellors at the Copenhagen meeting. Essentially what has been decided is the following:

A system of travel grants will be established, through which the Branches may receive financial help from the Student Activities budget to organize trips abroad with a scientific and technical purpose. A set of rules is being established and will be communicated to Counsellors as soon as possible, so that a decision on a first series of proposals can be taken before the end of 1982, about trips to be organized by Branches during 1983.

The next Undergraduate Student Paper Contest will be held in Athens on 16 May 1983 at the end of MELECON '83. Rules are essentially the same as before, and the deadline for submitting papers will be around the 15 January – possibly 30 January. The exact date will be communicated directly to the counsellors. The organizers of MELECON '83 are taking steps to offer low cost accommodation to students. They are ready to welcome Student Branches organizing trips to Athens as many Branches have in the past on similar occasions.

Professor A. VANDER VORST
Chairman, Student Activities Committee

MEETINGS IN REGION 8

SPIE International Technical Conference/Europe

The International Society for Optical Engineering is sponsoring, in co-operation with the IEEE Computer Society, eight seminars on advanced optical/electro-optical technology at the International Conference Centre, Geneva, Switzerland, from 18-22 April 1983.

Further information about the following eight seminars may be obtained from SPIE's European Liaison Office, c/o European Physical Society, PO Box 69, CH-1213 Petit-Lancy 2, Switzerland. Telephone (022) 93-11-30. Telex: 23 455 (ALARM CH).

Advances in Laser Scanning and Recording. Papers will discuss new laser scanning and recording techniques and their application in the information fields, such as business graphics, facsimile, graphic arts, micrographics, video and data storage and retrieval, quality control, colour separation and imaging, reconnaissance, visual simulation and display, remote sensing, and image analysis.

Topics to be presented at this seminar will include: The laser and its coupling to the system; Modulation techniques, single and multi-beam; Scan techniques, including replica and holographic; Error and noise reduction, image accuracy; Optical systems and flat-field techniques; Control systems for synchronization and linearization; Storage materials, direct and image transfer.

Applications of Digital Image Processing. The previous SPIE conferences on image processing attracted a large number of European contributors, attesting to the significant maturity of the field in Europe. The 1983 SPIE International Technical Conference/Europe will include the topic of digital image processing to provide a forum for the latest

advances in this important field. The European as well as the general international technical community is invited to participate.

Numerous applications of digital image processing are relevant to this seminar. Recent results in the field of computer vision, robotics, time-variant and multi-spectral techniques will be highlighted. Novel techniques of image restoration and enhancement, pattern recognition, registration techniques, and image coding procedures also are of particular interest. The technical programme will include new advances in the area of image processing hardware and software systems. While emphasis will be on the results of new developments, a limited number of review papers will be included.

Optical System Design, Analysis and Production. This seminar will provide an international forum to discuss the state of the art of the design, analysis and production of optical systems. Significant advances in sensor technology as well as the continuing pressure to achieve high performance and low cost have placed unique demands on the optics. The scope of this meeting should make it valuable not only to those involved in optical design, but the related and critical technologies extending from systems analysis through test and integration. Papers will be included which reflect the latest state of the art in the following and related areas:

Systems analysis and specification; Optical design; Applications of microcomputers to optical design; Influence of coherence, apodization, and similar factors on design and performance; Optical material considerations; Diffraction optics; Unique and innovative design configurations, such as non-rotationally symmetric systems; Designer/fabricator interfaces; Optical system test and integration.



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS FOURTEENTH ANNUAL POWER ELECTRONICS SPECIALISTS CONFERENCE

IEEE

CALL FOR PAPERS

JUNE 6-9, 1983

Albuquerque, New Mexico, U.S.A.

The Power Electronics Specialists Conference provides a continuing forum for the presentation and discussion of state-of-the-art technology in the field of Power Electronics. Papers which describe original and unpublished work, both experimental and analytical, in this field, are being solicited. Appropriate topics include, but are not limited to, the following:

- Power Conversion Techniques
- Power Conditioning Control Techniques
- Power Semiconductor Devices
- Power Circuit Components
- Modeling, Analysis, Simulation, and Measurement of Power Conditioning Circuits and Systems
- Power Electronics Applications

Prospective authors should submit both a 35 word abstract and five copies of a three to five page digest of their papers. These should be typed, double spaced, on standard letter-size paper, headed by title, author(s), author's affiliation, mailing address, and telephone number. Please note that the abstract should be on a separate sheet of paper which includes the full heading. The digest should outline the work to be reported, including a statement of the goal of the work, as many of the results as possible, and a clear statement of the original contribution of this work to the field of power electronics. The inclusion of key equations, figures, tables, and numerical results is encouraged. The Program Committee will judge strictly on the technical content of the digest.

The deadline for submission of the digest and abstract to the Program Chairman is December 15, 1982. Authors will be notified of acceptance by January 15, 1983. The final manuscript must be submitted on typed mats which will be mailed February 1, 1983. The deadline for the submission of the complete paper is March 27, 1983.

Persons interested in knowing more about the Power Electronics Specialists Conference are encouraged to contact the General Chairman at the address given below.

GENERAL CHAIRMAN
Dr. William M. Portnoy
Dept. of Electrical Engineering
Texas Tech University
Lubbock, Texas 79409, U.S.A.
(806) 742-3532 or
(806) 742-3533

PROGRAM CHAIRMAN
Dr. Richard G. Hoft
Dept. of Electrical Engineering
University of Missouri—Columbia
Columbia, Missouri 65211, U.S.A.
(314) 882-3491

Industrial Applications of Laser Technology. Since its invention, over twenty years ago, the laser has shown itself to be an extremely versatile tool in a host of industrial applications.

The scope of this seminar will encompass a wide range of laser technology in industry, including its application to the research, design, and production-line phases of the industrial process. Papers will be included on a variety of topics, such as holographic interferometry, laser machining, non-destructive testing, materials processing, precision metrology and high power applications with the emphasis placed on practical use. This seminar will provide a comprehensive overview of current applications of industrial laser technology and its potential for the future.

Thin Film Technologies. After more than a half century of activity, thin film technologies continue to have an increasingly critical rôle in the design and development of sophisticated optical systems. Beginning with the high vacuum deposited anti-reflection coatings and Fabry-Perot filters, the field has developed to include modern-day systems for thermal control, guided wave propagation, and laser systems, among others. Several elements are common to the optical thin film technology, namely, electromagnetic theory, design of components, characterization and measurements of components, materials, and in-process monitoring. The seminar will bring together technical researchers and engineers engaged in such activities for an in-depth discussion and exchange of information. Papers on the following and related topics will be presented.

Optical properties and applications – Theory of waves, including guided waves, in layered structures; Design and optimization of multi-layers, solar coatings and waveguides; Optical measurements on thin film materials using guided waves; Spectral filtering in corrugated planar waveguides; Materials for solar coatings; Coating design considerations in lens systems; Quality assessment of efficiency of solar coatings.

Fabrication methods of optical thin films – Physical vapour deposition; Gas discharge processes; Chemical deposition; Leaching and diffusion; Thickness monitoring and control; Automatic control of fabrication processes; Other related subjects.

Three-Dimensional Imaging. This seminar will provide an international forum for the recent numerous advances in three-dimensional imaging technology. Papers will be included on a wide variety of applications, primarily emphasizing video and holographic techniques, such as: Holographic techniques (Multiplex, Colour, Wide scene); New films and media for holography; Projection holography; Three-dimensional television; Applications.

New Optical Materials. Papers will be included on new or improved materials which are designed for the transmission, reflection, or absorption of electromagnetic energy. These new materials are being developed for lenses, windows, reflectors, absorbers, and other optical elements in electro-optic systems. UV, visible, IR, LWIR, and radar systems applications are likely to be included. Presentations will include processing and special fabrication techniques, physical and chemical characterization data, and optical data. Also to be included are the effect of environmental stresses on the new materials, and discussions of degradation with use or over time in the atmosphere, in space, or submerged in liquids. Polymer metallics, glasses and crystalline materials will also be included.

Advanced Infra-red Sensor Technology. This seminar will present recent results on infra-red sensor technology, as well as the related signal processing performed in close proximity to the detector. The emphasis will be placed on the interface aspects such as electronics, optics and cryogenics.

Authors from industry, government agencies and universities are expected to submit papers on the following and related subjects:

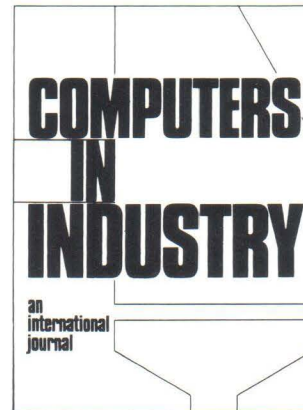
Sensors for both optical fibre and free space communications with wide-band detectors, preamplifier adaption, and heterodyne operation; CO₂ laser detection sensors related to optical radar, and range finders; Infra-red sensors on satellites; Sensors for scientific, medical and industrial use such as astronomy, spectroscopy, thermography and gas analysis; New concepts in focal plane technology, control and evaluation; Focal plane interfaces with electronics, optics and cryogenics.

International Conference on Radio Spectrum Conservation Techniques

This second conference is to be held at the University of Birmingham, UK, from 6-8 September 1983. It is organized by the IEE in association with IEEE and others.

The aim of the conference is to provide a forum for international discussion on the scientific, technological and engineering economic aspects of radio spectrum conservation. This includes papers dealing with the technical but not administrative principles involved in spectrum allocation.

The Organizing Committee would welcome offers of contributions on the following topics which relate to military and civil systems, mobile services, terrestrial systems, satellite systems, broadcasting services, navigational aids etc: Signal processing; Modulation and demodulation; Propagation and area coverage; Radio interference; Emission purity; Frequency and time sharing techniques; Network and systems studies; Engineering, economic and operational aspects; Dynamic power control; Technical aspects of channel assignments and re-use including mobile automatic telephony; Comparison with alternative non-radio techniques.



An International Journal of Experience and Practice on Computer Applications in Industrial and Technological Processes

The primary objective of **Computers In Industry** is to feature complete articles, case-studies, reviews and survey papers in a specific application area in such detail and depth that they can readily be understood by a large audience having varied fields of interest.

The contents of the journal focus on the use of computer and computing techniques in the realization of products, industrial services and commodities. Consequently, it contains contributions relevant to such interest spheres or disciplines as:

- Computer aided design and manufacturing
- Production planning and control
- Real-time applications and computer graphics
- Algorithmic solutions to problems in technical processes
- Process control and material management
- Measurement, test and quality control
- Factory and laboratory automation

Recent Papers:

Stand-Alone Data Manipulation Programs (A. M. Lount and W. F. Smyth). The Distributed Data-Base for the CERN SPS Control System (J. Altaber and F. Beck). A PASCAL Validation Office (M. Gien). Online Monitoring of Fermentation Processes (J. A. Spriet). A Comparison of Languages: CORAL, PASCAL, PEARL, ADA and ESL (H. Sandmayr). Algorithms for Automatic Conversation of a 3-View Drawing of a Plane-Faced Part to the 3-D Representation (K. Preiss).

Computers In Industry is published in volumes of 4 issues: Volume 3 is scheduled for 1982.

Library subscription price: US \$66.00/Dfl. 165.00

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P.O. Box 211 1000 AE Amsterdam
The Netherlands

Name: _____

Address: _____



**Endowed Chair in Solid State Electronics
Department of Electrical Engineering
Texas Tech University, Lubbock, TX 79409**

The Department of Electrical Engineering/Computer Science at Texas Tech University invites nominations and applications for the J. Fred and Odetta Bucy Endowed Chair in Electrical Engineering. The Department seeks to fill this position with a distinguished engineer or scientist of international stature in the broad area of solid-state electronics. It is anticipated that the applicants will be interested in teaching and developing their areas of interest in research. Texas Tech University is a state-supported university with programs to the doctoral level in most professional and academic fields (including Law and Medicine). The University has an enrollment of approximately 23,000, with an enrollment in the College of Engineering of over 4,100 full-time undergraduate students, and over 300 full-time graduate students. The Department of Electrical Engineering/Computer Science has an enrollment of 700 undergraduate and 60 graduate students in the electrical engineering program and 475 undergraduate 30 graduate students in its computer science program. The Department is engaged in research in such areas as pulsed power, systems, parallel processing, test technology, optics, solid-state devices, plasma dynamics, and lasers, along with other normal areas of academic involvement. Major facilities exist in most of these areas. The position is available immediately. The selection will be based upon the qualifications of the candidate.

The person selected is expected to teach two courses (graduate or undergraduate) per year. The salary level will be in excess of \$75,000 for 12 months and the unrestricted operating funds will be about \$50,000 per year (depending on endowment fund investments). Cooperation with ongoing solid state activities in both the Departments of Electrical Engineering/Computer Science and Physics is encouraged.

Interested candidates should submit a letter signifying their interest, accompanied by a detailed professional resume and a list of at least three professional references. Nominations of candidates, including the necessary professional information, are also encouraged.

Please forward applications or nominations to

M. Kristiansen
Paul Whitfield Horn Professor
Chairman of Search Committee
Department of Electrical Engineering
P. O. Box 4439
Texas Tech University
Lubbock, Texas 79409
Phone: 806/742-2224

Texas Tech University is an equal opportunity employer.

Those intending to offer a contribution should have submitted a synopsis of not more than 250 words to the Conference Department of IEE by 15 October 1982. Authors whose synopses were selected were to be informed during November 1982. They will be required to submit a full paper of 5 x A3 pages pf text (approx. 4,000 words), or corres-

pondingly less if illustrations are included, for assessment by 1 April 1983. Contributions of more than five pages in length will not be accepted.

Further information from: Conference Services Department, IEE, Savoy Place, London WC2R 0BL, UK.

DELIVERY OF TECHNICAL JOURNALS

Delivery of technical journals in some areas of the Region 8 is reported to suffer from delays beyond the normal period of about one month. Members in Region 8 who experience this problem are requested to write to the IEEE Region 8 Publications Representative, Mr. G. J. Arink, Puttendijk 12, 6026VZ Maarheeze, The Netherlands.

STOP PRESS

K. E. Drangeid has been elected Region 8 Director for 1983-84.

Voting results were:

K. E. Drangeid	1092
B. W. Osborne	937

ADVERTISING AND INSERTS IN THE IEEE REGION 8 NEWSLETTER

The Institute of Electrical and Electronics Engineers (IEEE) Region 8 NEWSLETTER provides an inexpensive medium for direct-mailing inserts and for placing advertisements about your conferences, courses, exhibitions, books and publications. A very real advantage of using the NEWSLETTER is that it has limited advertising space, in contrast to a journal with many pages of advertising, so that your advertisement or insert commands attention equivalent to a direct-mail shot.

You can reach a select mailing list of 13,000 English-speaking electronics, computer, and electrical engineers in 73 countries at a rate of US \$0.13 each for a full-page advertisement or insert - less than one-half of the cost of the postage stamp for a direct-mail shot.

ADVERTISING RATES

Display - \$1,580 per full page, \$860 per half page, \$460 per quarter page. Full page advertisement size 270mm x 190mm. These rates are for 'camera ready' copy - a charge at cost will be made for any setting required.

INSERT RATES

For full Regional distribution to 13,000 members in 73 countries in Europe, Middle East and Africa, size A5 or folded to A5 (148mm x 210mm), weight 10gms \$1,580, 20gms \$1,850, 30gms \$2,110. Lower rates for distribution to one country only or to a group of countries. Additional charge if collation or folding required. Recommended method of delivery is by direct air mail parcel post (check local postal regulations for maximum weight per parcel) or by air freight addressed to County Secretarial Services with prior notification of airway bill number, flight number and date. Surface transport is liable to considerable delay at port of entry. Before shipment of inserts check that the deadline date will be met including allowance for customs clearance and delivery to Guildford.

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DEADLINES	PUBLISHED QUARTERLY	FEB	MAY	AUG	NOV
	News to Editor	Jan 7	April 7	July 7	Oct 7
	Advertisements to County Secretarial Services	Jan 15	April 15	July 15	Oct 15
	Delivery inserts to County Secretarial Services	Jan 22	April 22	July 22	Oct 22