

IEEE Region 8 News

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Europe, Middle-east and Africa



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Benelux

By Professor J. Noordanus

As from 1st January 1997, the three year Agreement of International Co-operation between the "Netherlands Electronics and Radio Association" and the "Institute of Electrical and Electronics Engineers" becomes effective. This is the happy outcome of many years of friendly relationship between NERG and the IEEE Benelux Section; there is a growing understanding that there is no competition between the IEEE as an international technical organisation and the national societies; they are complementary.

This will certainly improve the mutual benefits for the members and enlarges their national and international scope. For example a reduction of 10% of the basic fees is given if you are a member of the two associations.

This IEEE-NERG agreement was celebrated in the usual manner at a combined meeting after the General Assembly of the Benelux Section, mentioned in the next passage. NERG is wholeheartedly welcomed by the IEEE Board of Directors, being in line with their international policy; they hope that other national societies will follow.

GENERAL ASSEMBLY

Wednesday January 15, 1997 at Philips Research Eindhoven.

Every two years a new Executive Committee of the Benelux Section is elected, this time a Netherlands Chairman and Secretary took over. The (now Past) Chairman Prof. P. Jespers welcomed members and reported on the Section's recent activities, especially the flourishing new Chapters; there are now 8 chapters in the Benelux. The Belgian Treasurer Dirk Rabaey gave the financial report; thanks to our healthy financial situation, the Chapters received more funds for their symposia and workshops. The newly elected executive committee consists of:

J.Noordanus Chairman

P.Jespers	Junior Past chairman
C.Claeys	Vice Chairman
Ouibrahim Hamza	Secretary
D.Vanhoenacker	Second Secretary (B)
J.B.H.PEEK	Treasurer
D.H.Rabaey	Second Treasurer (B)
P.Eyckhoff	Awards
D.M.Van Dommelen	Student Activities
G.D.Khoe	Educational Activities (NL)
J.Destine	Educational Activities (B)
K.K.Keimpema	Professional Activities
F.Vanderschoot	Electronic Communications
E.Deprettere	Chapter Co-ordination

After lunch, kindly offered by Philips Electronics, Prof. Jespers acknowledged the awards bestowed upon our Benelux colleagues:

Heinrich Hertz Medal 1995 to Prof. J. van Bladel, University of Gent.

Masura Ibuka Award 1996 to Prof. dr. K. Schouhamer Immink, Philips Research.

Solid-state Circuits Award 1996 to Prof. dr. R. van de Plassche, Philips Research

Fredrik Philips Award to Dr. R. Huber, European Commission DG XIII

Dick Poortvliet Award to the IEEE Delft Student Branch

For last part of the day, two award winning members, Schouhamer Immink and van de Plassche presented papers about their work on respectively Coding Techniques and Signal Processing for Digital Recorders and Data Conversion, the key to Digital Signal Processing of Analogue Signals.

CHAPTERS

INFORMATION THEORY (IT). Prof. E.C.van der Meulen: Tel: +32 16 32 70 47; Fax: +32 16 32 79 98; E-mail: ecvdm@gauss.wis.kuleuven.ac.be

CIRCUITS & SYSTEMS (CAS) Prof. Patrick de Wilde: Tel: +31 15 278 62 34; Fax: +31 15 262 32 71; E-mail: p.dewilde@dimes.tudelft.nl

SIGNAL PROCESSING (SP). Johan Van Ginderdeuren. Tel: +32 16 39 06 43; +32 16 39 06 00; Johan.VanGinderdeuren@ping.be

VEH. TECHNOLOGY & COMMUNICATIONS (VT&C) Prof Ramjee Prasad: Tel: +31 15 278 24 17; Fax: +31 15 278 17 74 E-mail: R.Prasad@et.tudelft.nl

CONSUMER ELECTRONICS (CE). Prof. Kees A Schouhamer Immink. Tel: +31 40 274 22 21. Fax: +31 40 274 46 48 E-mail IMMINK@prl.philips.nl

ANTEN. & PROP./MICROWAVE THEORY (AP/MTT) Ir. Kees van tKlooster: Tel +31 71 565 39 40 Fax: +31 71 565 49 99 E-mail kvtkloos@vmprofs.estec.esa.nl

ELECTRON DEVICES (ED). Prof. C.Claeys: Tel: 32 16 28 13 28 Fax: +32 16 28 12 14; E-mail: claeys@imec.be

LASERS AND ELECTRO-OPTICS (LEOS). Dr. E.C.M.Pennings Tel: +31 40 274 30 37; Fax: +31 40 274 49 38 E-mail: epenning@matlab.research.philips.nl

WEB SITE

At the moment our place on the World Wide Web is under construction by Jan Vandershchoot, please visit our home page <http://www/medfac.leidenuniv.nl/ieee/>. All the parties of the Benelux Section involved are requested to input their data to this site. In this way the exchange of information can be greatly facilitated.

E-MAIL SERVICE

Ed. Deprettere, Chapter coordinator - ed@cas.et.tudelft.nl - manages an E-mail journal, the ProRISC Letter for dissemination of news and meeting announcements. Mail submissions to proletter@caset.tudelft.nl

Section Chairman: Ir. J. Noordanus, Bachlaan6, 1272 EKHU, Netherlands. Tel: & Fax: +31 35 55251704. E-mail: J.Noordanus@ieee.org

Germany

By Prof. Dr.-Ing. Edmund Handschin

The executive committee of the German Section held its last board meeting on December 2nd, 1996 in Karlsruhe. The following were elected:

Chairman: for the period January 1st, 1997 until December 31st 1999. Prof. Dr.-Ing. Rolf H. Jansen, Rhein.-Westff. Technische Hochschule, Institut für Theoretische Elektrotechnik, Kopernikusstr. 16, D-52074 Aachen; tel. ++49-241-80 3900.

Treasurer: Prof. Dr. rer.nat. Hans J. Schmitt, Rhein.-Westff. Technische Hochschule, Institut für Hochfrequenztechnik, Melatenerstr. 25, D-52074 Aachen; tel. +49-241-80 7931.

The Past Chairman, Prof. Dr.-Ing. A Schwab thanks all the members active during his chairmanship for their cooperation and wishes the new executive members a successful period of office.

The following conferences and meetings will take place during 1997/98 in cooperation with the German Section:

Workshop: **Mobile Millimetre Communications**, Dresden 1997

Micro Materials, Karlsruhe 1997

Interactive Distributed Multimedia Systems Telecommunications Services, Darmstadt 1997 -

Transmission Line Matrix TLM.

Since many workshops and seminars take place at short notice all IEEE members are advised to read the IEEE Internet homepage on a regular basis. The Section has its own Internet homepage with many important notices - free of charge for all the IEEE members. The organisers of workshops are kindly invited to feed their information into the IEEE Internet.

The most important IEEE event during the summer 1997 is the power engineering summer meeting in Berlin. For the first time this PES meeting will take place in Europe. All IEEE members are kindly invited to mark this important event in their calendar. The PES summer meeting takes place from July 20, 1997 until July 24th, 1997 in the Intercontinental Hotel in Berlin. From July 21st, 1997 until July 22nd, 1997 the power engineering society of the Verband Deutscher Elektrotechniker holds its annual meeting in cooperation with the PES, also in Berlin. A special meeting is organized for all the chairmen of the PES chapters in Region 8 on Wednesday, July 23rd, 1997. This important meeting will be an interesting platform for all power engineers.

Section Chairman: Prof. Dr.-Ing/ Rolf H. Jansen, Rhein.-Westff. Technische Hochschule, Institut Theoretische Electrotechnik, Kopernikusstr. 16, D-52074 Aachen. Tel: +49 241 80 3900

Turkey

By Professor Ayhan Altintas

1996 was a busy yet productive year for our Section. Let me summarise some of the activities of the past year:

1. Our Signal Processing Chapter was the key element in the organisation of the conference in Antalya; the conference was a considerable success, a workshop being organised during the conference for training Student Branch chairmen of

all branches in Turkey; this was in cooperation with the Region 8 SAC chairman Prof. Levent Onural

2. A Membership Development desk was set up at the SIU and ICT conferences

3. An IEEE stand was used for the promotion of the IEEE and its Societies at ELEKON '96 Fair in Ankara. During the four days of the Fair more than 200 membership forms were distributed; in addition we devoted considerable time to explaining to the general public what the IEEE is. We thank the organisers for providing the stand free.

4. A new chapter of the Industry Applications Society was formed. The Chapter organiser is Mr. Cuney Ozturk from TEE company. For more information his fax is: 212 613 8549.

5. Two new student branches were formed; one in Cukurova and the other in Bogazici Universities.

6. As before, support for our members attending international IEEE conferences continued; this year more than 30 members were supported. In 1997 this support will continue, with the new rule that, before application, at least one year of IEEE membership will be required in addition to the 1996 rules.

7. Our membership has grown by about 20% in 1996. Congratulations to everyone who has contributed to this success, especially the student leaders in the newly formed branches.

I wish all our members a fruitful 1997

Section Chairman: Prof. Ayhan Altintas, Bilkent University, Dept of Electrical Engineering, Bilkent 06533 Ankara. Fax: +90 312 266 4126. E-mail: altintas@ee.bilkent.edu.tr

Spain

Information Technology Chapter

By Dr. Josep Domingo-Ferrer

The new Information Theory Chapter was born on October 1st 1996 and now has 86 members; it can be reached at the following E-mail distribution list: IEEEITSP@ETSE.URV.ES. A WWW page is under construction.

The Chapter goals are the organisation and diffusion of activities related to the Information Theory field in a broad sense. This includes Coding, Cryptology, Signal Processing and all areas covered by the IEEE Transactions on Information Theory. The Chapter intends to promote the practical application of technology developed in the IT field, especially by Chapter members. The forthcoming Chapter elections will be conducted electronically, using a secure network voting prototype developed by Profs. Borrell and Rifa, from the Universitat Autònoma de Barcelona.

As the Chapter interim Chairman, I would like to thank the following for their support in creating the Chapter:

Prof. Sergi Verdu, Princeton University, (IEEE Information Society 1997 President)

Profs. Antoni Elias and **Jordi Romeu** (Spanish Section chairman and secretary).

All colleagues in the IT and Cryptology fields who made possible the Chapter formation.

Interim Chairman: Dr. Josep Domingo-Ferrer, Escola Technica Superior d'Enginyeria. Fax: +34 77 559621. E-mail: jdomingo@etse.urv.es

Region 8 Members serving on IEEE Boards & Committees

On page 3 of the November Region 8 News the Regional Director requested information from Region 8 members who are serving on IEEE boards and committees in the United States. Here is that list.

Name	Committee	Society	E-mail
Duhamel Pierre	Head of Signal Processing Committee	Signal Processing	duhamel@sig.enst.fr
Engel Sebastian	Co-editor of CS technology	Control Systems	engell@ast.chemietechnik.uni-dortmund.de
Erkmen Aydan	Administrative Committee	Robotics & Automation	aydan@rorqual.cc.metu.edu.tr
Jespers Paul	Solid State Council	IEEE	jespers@dice.ucl.ac.be
Lips Peter	Secretary	Power Engineering	p.lips@ieee.org
Maitre Henri	Associate Editor	Image Processing	maitre@ima.enst.fr
Montanari Giancarlo	Administrative Cte.	Dielectrics & Insulation	giancarlo@eleib1.ing.unibo.it
Papadias Basil	Board of Governors: Global Coordination Cte.	Power Engineering	b.papadias@ieee.org
Baker Michael	Working Group 14	Power Engineering	hc31@dial.pipex.com
Davies Anthony	Board of Governors	Circuits & Systems	tony.davies@bay.kcl.ac.uk
Proth Jean-Marie	Associate Editor - Transactions	Robotics & Automation	jean-marie.proth@ilm.loria.fr
Rudas Imre	Administrative cte - RA Soc International Board	Industrial Electronics	i.rudas@ieee.org
Schwab Adolf	Awards Board, Ethics Cte., Strategic Planning Cte	IEEE	a.schwab@ieee.org
Pau Louis F.	Standards Board: Assoc Editor - Trans. Data and Knowledge Engineering	IEEE	louis-francois.pau@uaf.ericsson.se
Richter Kurt	EAB Transnational Cte - Vision 2000 - A,A	IEEE	K.richter@ieee.org
Papo Maurice	BOD: Audit Cte: RAB: RAB Finance: RAB Section/Chapter Support: RAB/TAB Transnational Cte:	IEEE	m.papo@ieee.org
Larsen Peer Martin	Chair	RAB/TAB Transnational Cte	p.larsen@ieee.org

Abbreviations: Cte = Committee: TAB = Technical Activities Board: RAB = Regional Activities Board: BOD = Board of Directors:

Region 8 Chapter Coordination

By Professor Anthony C. Davies

For several years, the Region 8 Committee has been supporting an initiative to increase the number of local technical events in the Region, especially by encouraging the formation of new Chapters in all Sections. During this time the number of Chapters has increased dramatically. In addition there has been a focus on strengthening the links between managements of IEEE Societies (e.g. their administrative committees or boards of governors) and new and old chapters in the Region. The chairmen of many Chapters in Region 8 have been helped with advice on improving their Chapter activities, seeking support from their parent Societies and making use of the IEEE Distinguished Lecturer programmes.

These Region 8 developments have been the responsibility of the Chapter Coordination Committee. From January 1997 Prof. Tony Davies - Kings College London, has been elected Chapter Coordination Committee Chairman, succeeding Prof. Basil Papadias of the National Technical University of Athens. Prof. Davies may be contacted by E-mail at tonydavies@kcl.ac.uk or [www http://www.eee.kcl.ac.uk/member/staff/a_davies](http://www.eee.kcl.ac.uk/member/staff/a_davies) Previously Prof. Davies was coordinator for Circuits and Systems Chapters in Region 8, and for the time being will continue to carry out that role as well as being Committee chair.

CONFERENCES AND WORKSHOPS IN REGION 8

1. **4th International Workshop on Systems, Signals and Image Processing** will take place in Poznan, Poland, 20-30th May 1997. Previous workshops in this series were in Budapest 1994-1995, Manchester 1996, The 1997 Workshop is organised by Poznan University of Technology, in association with the Poland Section and several other organisations. Further information may be obtained from the World Wide Web: <http://www.et.put.poznan.pl/iwssip.html> Prof. Marek Domanski, Politechnika Poznanska Instytut Elektroniki I Telekomunikacji, ul.Piotrowo 3a, PL 60-965, Pozan, Poland.

Nonlinear Dynamics of Electronic Systems NDES will take place in Moscow, Russia 26-27th June 1997. The first Workshop was in Dresden 1993, supported by the UKRI Section and the Germany Section. Subsequent workshops have taken place annually at Krakow 1994, Dublin 1995, Sevilla 1996, all with IEEE support.

Organised by the Moscow Technical University, Russian Academy of Sciences, and with IEEE support.

Information: Dr. Dmitry Makarthikov. Moscow Technical University, Aviamotonaya st, 8a Moscow 111024.

Professor Davies, Kings College London, Tel: 0171 783 2441E-mail at tonydavies@kcl.ac.uk

The Coordination of Communications Chapters

Meeting of Chairs - London - November 1996

1. The chairman for the meeting was Dr. Jacob Baal-Schem - Region 8 Communications Chapters Coordinator, the finances were assisted by contributions from the Communications Society, Region 8 and the organizers of Globecom '96. Seven Chapter chairs attended.

2. The Region was represented by the Director P.M. Larsen and the Communications Society by President S. Weinstein; VP International Affairs, L.Lee; VP Membership Affairs, J.R.B. de Marca; Director of Chapters, T.Miki; and Division III Director C.L. Desmond.

3. In his opening remarks, Dr. Baal-Schem pointed out that there are 21 Communications Chapters in the Region, and that they represent some 6,000 of the Regional CS members. During the period 1993-1995 our CS membership grew by 12%; there was a growth of 7% in total Society membership.

4. Since the last Chapters chairs meeting the following main Regional activities were held: i). 8 new Chapters were formed and all 21 Chapters are functioning actively. ii). A Communications Seminar was organized by the Hungary Chapter. iii). Two Satellite Communications Conferences were organized by the Russia Chapter and iv). Several additional Chapters are now in the process of formation.

5. In his presentation Prof. Larsen stressed the importance of strengthening the co-operation between the Region, the Sections and the Chapters. At the Regional level a Chapter Coordination Committee was set-up in order to secure co-operation between Societies, Chapters and Sections. Regional Workshops have been sponsored and next year the Technical Activities Board plans to arrange Entrepreneurial Workshops in St. Petersburg, Kiev and Minsk. The Region is supporting the IEEE microfisch programme for fifteen libraries in Eastern Europe and fifty six sets of IEEE Press Books have been sent to their libraries.

6. Communications Society President Weinstein presented a resumé of developments in CS. He stressed the subject of Electronic Publishing as well as the development of the CS Web site. CS is active in reaching out to National Communications Societies and NATO activities. There is also a tendency to transform ICC and Globecom to "Malls of mini conferences in order to provide in depth knowledge to many technical groups of Society members

7. VP Lee and VP De Marca stressed the Society's plans to retain members (especially students after the end of their studies) there are other moves to offer rewards to long-standing members and volunteers. Both speakers mentioned the availability of funding for Chapter initiatives. Division III Director Desmond gave an overview of IEEE Organization, its main Boards and its Divisions and Societies.

8. Director of Chapters Miki too, mentioned the availability of funding for Chapter activities - e.g. the setting-up of a Chapter's Home Page on the Internet, the Chapter of the Year Award, free subscription to all publications, distinguished lecturers tours and Regional offices.

9. Brussels office manager Kevers presented the activities of the Brussels Office - including on-line access to the IEEE data-base, maintenance of address lists and replacement of copies of periodicals. He suggested possibility that his office might be used as a focal point for organizing Lecturer's tours and other CS activities in the Region. The e-mail address of the Brussels office is: j.kevers@ieee.org

10. Each Chapter chair made a short presentation of his recent activities; the EAMEC chair discussed the activities of his Committee - which mainly provides technical papers to ICC and Globecom. A written report from the Germany Chapter was read.

11. During the discussion period the following main points were addressed: i). The Brussels office should become a focal point for organizing CS activities in the Region (e.g. Distinguished lecturer's tours). ii). J. Kevers will set-up an alias for Region 8 CS Chapter Chairs, the Regional CS Chapters Coordinator and the EAMEC Chairman. iii). J. Kevers will prepare a set of Information sheets dealing with CS services to Chapters (e.g. Chapter of the Year Award forms, lists of Distinguished and local lecturers and the availability of finance); these will be circulated periodically to Chapters Chairs.

12. In conclusion, J. Baal-Schem thanked all the participants for coming to the meeting and expressed his hope that this and future meetings will stimulate additional activities in our CS Chapters and additional growth of Communication Society membership in the Region.

Jacob Baal-Schem

Do You Live in a Country where there is no IEEE Section?

By Professor Charles Turner

There are several ways in which you could be in closer contact with IEEE activities.

- You could be "adopted" by a Section in a nearby country, receiving its newsletter and other information about its activities.
- You could join a Chapter with other IEEE colleagues in your country with similar technical interests that is organised in a nearby Section. Or, if you are a student, you can form a Student Branch.
- If you are interested in any of these possibilities or in developing IEEE activity in any way, please get in touch with the Editor of Region 8 News.

Power Engineering Society

Summer Meeting - Berlin - 20-24 July 1997

By Susan Sacks

For the first time in more than a century the Power Engineering Society will hold its summer meeting outside North America; it is also the first time that the PES has arranged a joint function with a European national society.

The conference will be held in conjunction with the annual meeting of the Verband Deutscher Elektrotechniker, the power engineering technical interest group of the German national society. Four days of PES sessions will begin on July 21st with a joint plenary entitled "The Development of New Regulations in Europe and the United States". This will be followed by two topical technical sessions: "Non-Utility Generation & Energy Wheeling" and "Distribution Automation". There will be simultaneous translations into German and English. Attendees of either meeting may take part in the social functions of both meetings.

The **Technical Sessions** commence on 22nd July; they will be led by well known figures from the world of power engineering and will consist of a series of papers presented by the authors, poster sessions of peer-reviewed Transaction papers, and panels of specialists who have gained world-wide recognition. Registrants may arrange their own programmes by selecting sessions of their choice.

These sessions will be held in two Berlin hotels, the Hotel Inter-Continental and the Schweizerhof Inter-Continental. Bedroom accommodation has already been reserved in the two meeting hotels, which are across the street from each other, and also in the Forum; about 10 minutes away.

The **Young Engineers** programme will feature a Panel Session by IEEE-PES and VDE-ETG. The proposed topic is "The Young Engineer in a World-wide Market". On Tuesday morning, 22nd July, the panel session will be addressed by young engineers having less than five years working experience. The speakers will be from both Europe and the United States and will discuss their work-related experiences and the expectations of employers under modern economic conditions. In addition, seasoned managers from large international and regional corporations will discuss their recent experiences in the evolving world market and describe what management expects from its technical personnel.

The **Social Events** at this multi-national meeting will provide perfect opportunities for discussion in a relaxed and informal atmosphere. Plans include the following:

- A welcoming reception at the Hotel Inter-continental. Cost included in the registration fee.
- On Monday evening 21st July, with the support of ABB, Siemens and BEWAG, a gala will take place in two historic locations: the famous Dome and Berlin City Hall.
- There will be a concert and a welcoming address by the Mayor of Berlin.
- Tuesday evening 22nd July there will be a boat tour on the Havel River, including a buffet dinner. The charge will be DM75 or \$50.
- Further information may be obtained from: Tel: +001 908 562 6864 Fax: +001 908 981 9334 E-mail: s.sacks@ieee.org



IMPERIAL COLLEGE

of Science, Technology and Medicine

University of London

1997 Programme for Professional Development

- ★ **'Low-noise Analog CMOS & BiCMOS Design'**
26 - 28 February 1997
- ★ **'Safety Critical Systems'**
7 - 11 April 1997
- ★ **'Analog Design for Digital Engineers'**
14 - 18 April 1997
- ★ **'Project Management for Engineers'**
21 - 24 April 1997
- ★ **'Advanced Low-Dimensional Structures'**
6 - 9 May 1997
- ★ **'Growth & Characterisation of Semiconductors'**
12 - 16 May 1997
- ★ **'CMOS/BiCMOS Analog Integrated Circuit Design'**
30 June - 4 July 1997
- ★ **'High Frequency Analog Design:
The Current-mode Approach'**
9 - 11 July 1997

All the above courses are recognised by IEE for Technical Professional Development Units.

Further details from:

Ms. Sally Verkalk, Continuing Education Centre, Imperial College, Room 515 Sheffield Building, Exhibition Road, South Kensington, London SW7 2AZ, UK.

Tel: +44 (0)171 594 - 6882/1 Fax: - 6883 E-Mail: cpd@ic.ac.uk



At the leading edge of research, innovation and learning

Belarus - ED/MTT

By Dr. Sergei Malyshev

On 5th June last year the IEEE Executive Director T. Hissey visited Minsk, the capital of Belarus for talks with the ED/MTT Chapter. Prof. V.M.Ilyin, rector of the State University of Informatics and Radioelectronics described the scientific and educational activities of the University and pointed to the production of highly competent specialists for the electronic industry. Mr. A.Kuraev and Mr. Yu Vorobjev discussed research and development work in the field of microwave theory, power electronics, control systems, telecommunications and microelectronics.

Mr. Hissey also visited the Integral company. At a meeting with Mr. V. Ponomar, Director of Research and Design at the company, Mr. Belarus and Mr. V.Pilipenko, and the ED/MTT; some problems of the electronics industry of Belarus and its leading companies were discussed. It was noted that the company, despite well known difficulties in the transition to a free market, was successful in keeping personnel and production potential. The Nann-Lugar Foundation played a significant role in solving the conversion problem of Integral Company, and the establishment of stronger contracts with IEEE in the field of information exchange.

During the 1993-6 period, "Belectronics" designed and produced microprocessors, LSICs for TV, telecommunications, computers, & industrial systems; 85% of the devices being exported. In conversations with Mr. A. Demchenko, Deputy Director of Research Institute at Radiomaterials, the problem of GaAs-based semiconductor sensors, materials and semiconductor devices for fibre optical systems were discussed. At the Institute of Electronics Mr. Hissey discussed with Prof. A. Kovalev, Deputy Director, the research activity of the Institute and expressed his hope that collaboration between the IEEE and Byelorussian scientists would help them to raise the level of their research.

France

by Professor Edwige Pissaloux

You can contact the France Section Board members at the following addresses:

Christine Nora: Chairman:

nora@poly.polytechnique.fr

François Meslier: Vice-chairman Awards Committee.

francois.meslier@prince.edfgdf.fr

Jean Gabriel: Treasurer.

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Edwige Pissaloux. secretary.

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French Chapters and their chairmen

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Power Engineering. PE31. Pierre Bornard

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Electromagnetic Compatibility. EMC027. Ferdy Mayer.

phone . 33 01 49 71 94 00.

IEEE France Section Internet Address is <http://w3.u-picardie.fr/~cerin/ieee/> . You will find there the France Section Web Kiosque.

We thank the Université of Amiens for its support of the France Section.

Michel Israel has been nominated for one year as a member of the Computer Society Board; his appointment is as the Society secretary.

Ch. Cerin, Computer Chapter chairman c.cerin@ieee.org or cerin@laria.u-picardie.fr plans to organise in 1997/8 an international conference on "Computer use in 2000, and its effects on educational skills"; he would appreciate help, comments and suggestions on that topic from outside France. Please contact him

in connection with any question related to the conference; if you would like to receive the calls for papers please contact him.

SDEMPED '97: International Symposium on Diagnostics for Electrical Machines, Power Electronics and Drives will be held on Sept. 1st-3rd 97, in Carry-le-Rouet, France.

The symposium is sponsored by the Power Electronics Chapter, University of Picardie - Jules Verne, and co-sponsored by the Power Electronics Chapter and the French Section. Summary submission deadline - 15th March 1997. Information from Prof. Michel Poloujadoff, mpo@moka.ccr.jussicu.fr. Tel: +33 0144 274 15. Fax: +33 0144 274438.

Prof. Dr. Ferdy Meyer, chairman of the EMC-S International Committee, has given several European presentations on "Globalisation", including the key-note address at the June 96 Wroclaw EMC symposium. Globalisation implies close cooperation with Regional and national scientific societies; these actions result from the French "Société des Electriciens et Electroniciens" endorsement and the granting of the recent award "Ampere" to Dr. F. Myer.

News in French

Nous félicitons Madame Jeannine Henaff qui a été promue au rang de Fellow de l'IEEE.

Chapitre Communications a le plaisir d'annoncer Distinguished Speaker Conférence Elle aura lieu le 18 mars à 14 heures à l'ENST, 46 rue Barrault, Paris 13-ième Dr Salah Aidarous, distinguished speaker de l'IEEE, fera une conférence sur "TMN Implementation and Evolution Directions: A North American Perspective". Les personnes intéressées sont priées de se faire connaître et de communiquer leurs coordonnées (y inclus email) afin de pouvoir être prévenues en cas de changement de date Inf: Renato Israel, 8 rue Fontenay, 78000 Versailles, email: renatoisrael@utopia.eunet.fr

Power Engineering Chapitre organise, conjointement avec la SEE et KEMA (Pays-Bas), le 21 mars 1997 à Paris le séminaire sur le "Contrôle et Commande Numérique des Postes - Expériences et devenir" Inf: Pierre Bornard email pierre.bornard@edfgdf.fr

Les Anciens De La Radio et de L'électronique

Vous Invitent Aux Conférences Suivantes:

- le 21 janvier 1997 "L'électronique dans les transports ferroviaires", par Michel Chateaufreinaud (X64,ESE69), Direction des Equipements et Systèmes Electriques SNCF et Marc Provoost (ESE81), Direction de l'Electronique, SNCF
- le 18 mars 1997, "Le télescope Hubble", par Olivier Le Fevre, astronome à l'Observatoire de Paris-Meudon
- le 22 avril 1997, "Après la télévision haute définition, la téléviseion numérique "par Yves Guinet, ancien Directeur du CCETT, Philips (cf. sa conférence du 29 mars 1989 sur "La TVHD").
- le 20 mai 1997 "L'électronique et l'informatique dans la Banque - Les problèmes de sécurité associés" par Claude Porcherot Directeur des filiales françaises de la BNP.

Les conférences ont lieu à 17 heures à la FIEE, 17 rue Hamelin, 75 116 Paris. Secrétariat: M.Crantelle.

Awards & Recognitions

By Professor E. Folke Bollinder

IEEE HEINRICH HERTZ MEDAL

To **L.R. OWEN STOREY** (Non Member - Retired). Goddard Space Flight Centre. Associate Director, Stanford University Centre for Space Science Astrophysics. Research Professor, Electrical Engineering, Stanford University. Research Director, Centre for Research in Environmental Physics, Orleans, France

"For discovering the field-aligned paths of Hertzian-wave whistlers generated by lightning, thus discovering the Earth's magnetosphere"

IEEE LAMME MEDAL

To **ANDRE J. CALVAR** (FIEEEE) - Emeritus Professor, Liege University, Liege, Belgium.

"For outstanding contributions to the analysis of the dynamic performance of electric power systems, including the vital role of reactive power."

IEEE JOHN VON NEUMANN MEDAL

To **MAURICE V. WILKES** (Non-Member). Advisor on Research Strategy, Olivetti Research Ltd., Cambridge, England.

"For a lifelong career of seminal contributions to computing, including the first full-scale operational stored-programme computer and to the foundations of programming."

HONORARY MEMBERSHIP

PEKKA J. TARJANNE (Non-member). Secretary General, International Telecommunications Union, Geneva Switzerland.

"For outstanding leadership and contributions to the implementation of new working methods and structures for the International Telecommunications Union."

Region 8

BENELUX: John Hendrik Huijsing: For contributions to the design and analysis of analogue integrated circuits.

Mania M. Pavella: For contributions to real-time dynamic security assessment of power systems

Johan Schoukens: For contributions to frequency domain system identification and the integration of measurement, signal processing and estimation theory.

Stamatis Vassiliadis: For contributions to the engineering of computer architecture

CENTRAL & SOUTH ITALY: Enrico Tommaso Comellini: For contributions to power distribution automation and structural design of extra-high voltage transmission lines, and for leadership in international standard and research institutes.

Edoardo Mosca: For contributions to adaptive and predictive control.

FRANCE: Jeannine Henriette Henaff: For contributions to the analysis, design and realisation of telecommunication systems

GERMANY: Gerd Hirzinger. For contributions in robot mechatronics, telerobotics, man-machine interface research, and pioneering of space robotics.

Dieter Koenig: For contributions to the optimisation and reliability of insulation technology and electrical engineering education.

Karl Joerg Langenberg: For contributions to acoustoelastic and microwave imaging.

Robert Piloty: For contributions to and leadership in the development of hardware design languages, of microelectronic, CAD systems, and of early computers.

Peter Pirsch: For contributions to the architectural conception and VLSI implementation of digital video coding schemes

GREECE. Basil C. Papadias: For contributions to the analysis and understanding of three-phase switching phenomena of inductive networks and for promoting education and R & D in the area of power system analysis

HUNGARY: Laszlo Gyorfi. For contributions to pattern recognition, estimation and classification.

Istvan Kollar. For contributions to the theory and practice of digital signal processing.

ISRAEL: Amos Andras Hardy. For contributions to the theory of guided wave optics and lasers.

Asher Madjar: For contributions to large-signal modelling of MESFETs

Anthony Joseph Weiss: For development of lower bounds on the accuracy of parameter estimators and contributions to time delay estimation and array processing.

NORTH ITALY: Sergio Benedetto. For contributions to performance evaluation of digital transmission systems, to analysis and design of trellis coded modulation techniques and to digital optical communication systems.

Virginio Cantoni: For contributions and leadership in the development of hierarchical architectures of computer vision systems.

NORWAY: Bergen sub-section. **Tor Helleseth.** For contributions to coding theory and cryptography.

POLAND: Andrzej Filipkowski. For contributions to coding theory and cryptography.

Maciej J. Ogorzalek: For contributions to engineering education

PORTUGAL: Jose De Albuquerque Epifanio Da Franca. For contributions to analog multirate signal processing and engineering education.

SPAIN: Miguel Angel Lagunas. For leadership in industrial applications of signal processing.

SWEDEN: Claes Andersson. For contributions to the analysis of the interaction between AC and DC systems and of voltage stability in power systems.

UNITED KINGDOM & REPUBLIC OF IRELAND: Jens Buus. For contributions to device analysis of semiconductor lasers.

Brian John Chalmers. For contributions to the design of cage rotor induction and permanent magnet machines.

Richard Gerber: For contributions to solid-state and applied magnetism.

Neil Munro: For contributions to the theory and application of control engineering, and in particular for the development of computer-aided design methods and supporting software.

Roger David Pollard: For contributions to the development of microwave and millimeter wave measurements, and active device characterisation.

Alwyn John Seeds: For contributions to the development of microwave photonic devices and systems.

The regional director sends his congratulations to all these candidates and wishes them well in their future contributions to engineering development and innovation.

Chapter Coordination in Region 8

by Professor Basil Papadias

(Past Chairman, Chapter Co-ordination Committee)

Chapter co-ordination activities in Region 8 started in 1988 with the appointment of A. Vander Vorst as Regional Chapter Co-ordinator; the Region then having only 48 Chapters; from '94 to '96, the Chapter Co-ordination Chairman was Basil Papadias, and the Chapters included in the coordination group were MTT/AP,CAS,COM,PE,ED,IE/RA- Here is a report on progress during that period.

TOTAL CHAPTERS

Average annual increase of Chapters (27 Societies) per Society over total Chapters = 0.62%

Average annual increase of Chapter membership (27 Societies) per Society, over total membership = 0.11%

TOTAL: 27 SOCIETIES	Jan 1991	Jan 1996	Δ (1991 - 1996)	Total Δ%	Average Annual Δ%
Number of Chapters	108	199	91	+84	+16.8
Chapter Membership	41,961	48,458	6,497	15.5	+3.1

COORDINATED CHAPTERS

Average annual increase in Coordinated Chapters (10 Societies) per Society = 1.65%

Average annual increase of Coordinated Chapters Membership (10 Societies) per Society = 0.26%

The rates of annual increase, both for Chapters (1.65%) and for Membership (0.26%) are higher (2.5%times) than the rates referring to the whole of Chapters (0.62% & 0.11% respectively)

The **Chapter Increase** of the 10 coordinated chapters (62 is the 67.7% (2/3) of the total chapter increase (91) 57.5% of the 1991 number of chapters

The **Chapter membership increase** of the 10 coordinated chapters (3,390) is more than 50% of the total membership increase.

COORDINATED: 10 Societies	Jan 1991	Jan 1996	Δ (1991-1996)	Total %	Average Annual Δ%
Number of Chapters	75	137	62	+ 83	+ 16.5
Chapter Membership	26,838	30,228	3,390	+ 12.6	+ 2.6

PER SOCIETY QUANTITIES

Co-ordinated Societies (10)	Chapters Jan 1991	Chapters Jan 1996	Avge Annual Increase % (Chapters)	Chapters Increase/ Total Chapters (%)	Chapter Memb Inc/ 1991-1996 %	Membership Increase/Total Chapter Membs (%)
MTT	16	21	6.25	4.8	9.87	0.41
AP	13	17	6.15	3.7	20.9	0.74
COM	11	18	12.7	6.4	31.5	3.43
CAS	7	18	17.1	5.6	6.77	0.46
PE	6	15	30.0	8.4	18.72	0.83
CS	2	8	60.0	5.6	26.65	1.2
C	11	15	7.3	3.7	2.64	0.44
ED	6	20	46.7	12.9	17.5	0.53
IE	3	6	20.0	2.8	-10.0	-0.26
RA	0	4	0	3.7	9.2	0.24

All other Societies as a			Average per Chapter	Average per Chapter	Average per Chapter	Average per Chapter
Whole (17)	33	62	1%	1.6%	1.2%	0.44%

During its six years of operation, it can be concluded that the committee has been successful: it has been shown that Chapters are a useful tool for members and enables them to develop their technical and educational activities. The experience gained so far will assist and act as a guide for further accomplishments. The Chapter Co-ordination effort should be continued.

CONFERENCE SUPPORT FOR STUDENTS

Student members who attend an IEEE conference in 1997 can obtain a voucher for up to \$30, to be used for their 1996 membership renewal. Send the following information: proof that you have paid the conference registration fee, your membership number and your address, to Leven Onura IEE Department, Bilkent University, TR-06533 Ankara, Turkey.

More info: <http://www.ee.bilkent.edu.tr/-onural/free.html>

IEEE EUROPEAN OPERATIONS CENTRE

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Fax: +32 2 770 8505

E-mail: j.kevers@sprint.com

The Third IEEE International Conference on Electronics, Circuits, and Systems (ICECS '96), a Regional conference of the IEEE Circuits and Systems Society, was held on the delightful island of Rodos, Greece, during October 13-16, 1996. The conference site was the Rodos Palace Hotel and Convention Centre, set in a 30 acre site in the middle of the magnificent Ialysos Bay, overlooking the Aegean Sea.

The conference served as a forum where many important advances in science and technology were presented and where industry and academia came together to discuss technological developments. In a truly international meeting, delegates came from forty countries and five continents to present their work. From the more than 500 papers that were submitted, 340 were accepted; these were presented in sixty sessions organised into four parallel tracks. Four sessions were dedicated to the presentation of the results from a selection of successful European Union ESPRIT projects, and some 100 papers were presented as posters. A small technical exhibition was held, accompanied by a book exhibition. The recognition of the event as a Regional conference of the Circuits and Systems Society, supported financially by Region 8 and other sponsors, contributed much to the excellent organisation.

PLENARY LECTURES

Three excellent plenary speeches were given during the conference.

Dr. Franco Maloberti of the University of Pavia, Italy, talked about "Research And Innovation - A New Route To Development"; he gave an answer to the key and controversial question: "Can high-technology (electronics/microelectronics) contribute to development?"

Dr. Dave Booster of the European Commission DG III Industry, talked about "Stimulating the Take-up of Microelectronics Solutions" by the industrial sector to help the development of competitive products for sale in global markets. He described the ways in which the ESPRIT programme has evolved to respond to these industrial needs.

In a more technical speech, **Dr. W. Kenneth Jenkins** of the Carleton University, USA spoke of "Current practices and Future Directions for Adaptive Signal Processing" with particular attention being devoted to filter structures. Their practical implementation for various applications.

TUTORIALS

Four successful tutorials were offered during the first day of the conference.

"Low-Power Design", co-organised by **Kaushik Roy**, of Purdue University and **Rabindra (Rob) Roy** of NEC Research

"Introduction to Computer Systems and Network Performance Evaluation, organised **Dr. Mohammed S. Obaidat**, of Monmouth University.

"Recent Progress in Modelling and Simulation of High-Speed VLSI Interconnects. organised by **Dr. Michel Nakhla**, of the Carlton University

"Integrated Circuit Broadbanding, organised by **Dr. John Choma Jr.**, of the University of Southern California

SPECIAL SESSIONS

were organised around three themes:

- Opto-electronic computing systems,
- Voice/Audio Processing Systems, and
- Testing of Analog and Mixed Signal Circuits.

RODOS

In addition to the technical programme, the participants had a chance to tour the island of Rodos and its neighbouring islands. The welcome reception was held in the magnificent Palace of the Grand Masters in the Old Town of Rodos; it was accompanied by a performance of the City Folk Dance Group and a multimedia show dealing with the rich history of the island, revealing its multicultural Mediterranean heritage. The Banquet dinner was held in the Super dome that covers the pools at the Rodos Palace Hotel; this too was also accompanied by a music and dance group which persuaded most of the participants to dance to the tunes of popular Greek songs.

The consensus among the SC members is that the meeting was a considerable success, a turning point in the history of the Society. The proceedings will be available and distributed to libraries around the world through the IEEE book broker system.

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Tel: (061) 997 283, Fax: (061) 994 798,
E-mail: thanosrdce.upatras.gr*

Region 8 Co-sponsored Conferences

By **Baldomir Zajc**

Regional Conference Co-ordinator

- "Mobile Systems '97". Moscow 4-7th March 1997
Russia. E-mail: enir@icsti.uu.se
- "Intelligent Applications in Communication and Power Systems - IACPS". Al-Ain, 6-8 April 1997, UAE.
<http://eclsunuae.ac.ae/IACPS.html>
- "20th International Convention MIPRO'97" (Computer Applications, Microelectronics) Opatia, 19th-23rd May 1997, Croatia. E-mail: Vlado.glavinic@fer.hr
- "European Symposium on Artificial Neural Networks 1997 - ESANN", 25th May, Belgium <http://www.dice.ucl.ac.be/~verleyse/M/~verleyse/M/~verleyse/MV.html>
- "Nonlinear Dynamics of Electronic Systems - NDE '97," Moscow, 26-27th June '97. E-mail: dmitr@chaos.msk.su
- "The Second IEEE Symposium on Computers and Communications - ISCC '97", Alexandria, Egypt.
<http://www.dei.uminho.pt/isie97.html>
- "8th International Symposium on Electromagnetic Fields in Electrical Engineering - ISEF '97" Gdansk, 25-27th September 1997, POLAND. Fax: 4842 36-23-09, IMET
- "Melecon '98". Tel Aviv, 18-29th May 1998.
Fax: +972 3 5244 618

THREE ADVANCED ENGINEERING COURSES ORGANIZED BY
Electronics Laboratories of the Swiss Federal Institute of Technology Lausanne, Switzerland

**RF IC DESIGN FOR WIRELESS
COMMUNICATION DESIGN**

June 23-27, 1997

BiCMOS for IF/RF	K. HANSEN, Motorola
RF-Heterodyne Receiver Design Techn.	J. FENK, Siemens
Wireless Transmitter & Receiver Design	I. KOULLIAS, Wirel. Mic.
Bipolar Si/SiGe LNAs, RF/IF Amps & AGCs	B. GILBERT, ADI
Design Considerations BJT Act. Mixers	B. GILBERT, ADI
Power Amplifier & T/R Switch IC Design	C. KERMARREC, ADI
Oscillator IC Design for Wireless Comms	C. KERMARREC, ADI
Parasitic Effects in High-Frequency ICs	B. BLAUSCHILD, Philips
High-Frequency PLLs for Transceivers	B. BLAUSCHILD, Philips
Wirel. CMOS Receiv. Front-End Circ. & Sy.	M. STEYAERT, KUL
CMOS GHz VCOs, Prescalers	M. STEYAERT, KUL
Archi. & Design of CMOS RF Transc. Impl.	P. GRAY, UCB
Radio Access Methods & Equipment. Archi.	J. RAPELI, Philips

**ARCHITECTURAL AND CIRCUIT
DESIGN FOR PORTABLE ELECT.**

Session A : June 30-July 2, 1997
Session B : July 3-5, 1997

Basics of LP Design & Architecture	R. BRODERSEN, UCB
LP CMOS Techn. & Des. for Multimedia	T. SAKURAI, Tokyo Uni.
Low Power Microprocessor Design	C. PIGUET, CSEM
Cad Tools for Low Power	J. RABAEY, UCB
LP Digital Disk Drive Electronics	L. THON, IBM
Low Power Memory Design	S. KANG, Illinois Uni.
Port. Video/Demand in Wireless Comm.	T. MENG, Stanford Uni.
RF Transc. Archi. for Wireless Comm.	C. KERMARREC, ADI
Design for LP, LV A/D Converters	B. WOOLEY, Stanford U.
Collective Analog Computation	E. VITTOZ, CSEM
DC-DC Conv. Circuit for Portable Syst.	T. SZEPESEI, ADI
Mix.-Signal Des. for Medical Port. Dev.	D. WAYNE, Des. Micro.
Display Technology for Portable Syst.	A. LEWIS, Xerox

**OVERSAMPLED DELTA-SIGMA
DATA CONVERTERS**

July 7-9, 1997

Introduction to Oversampling Data Convert.	G. TEMES, OSU
Stability of Single-Loop-Noise-Shap. Coders	B. ADAMS, ADI
Design of Single-Loop Noise-Shap. Coders	B. ADAMS, ADI
Unconv. Applic. of Noise-Shap. Techniques	B. ADAMS, ADI
Architecture for Delta-Sigma D/A Converters	G. TEMES, OSU
Quant. Errors & Dithering in Δ - Σ Modulators	S. NORSWORTHY, Motorola
Decim. & Interpolation for Δ - Σ Conversion	S. NORSWORTHY, Motorola
Bandpass Δ - Σ Analog-to-Digital Converters	R. SCHREIER, OSU
Δ - Σ Data ADCs, DACs Spec.-Purpose CAD	R. SCHREIER, OSU
Pract. Aspects of Δ - Σ Data Convert. Design	P. FERGUSON, ADI
Simul., Test & Troubleshoot. Δ - Σ Data Conv.	P. FERGUSON, ADI
Design Examples of Δ - Σ Data Converters	P. FERGUSON, ADI

Deadline for Registration : **MAY 25, 1997**

Registration Fees : Course 1 = 2'700.- CHF; Course 2 = 2'900.-, or session A or B = 1'600.- CHF; Course 3 = 1'600.- CHF
A 15% discount applies for a combination of 2 or 3 courses taken by the same participant

ADVANCED ENGINEERING COURSE ORGANIZED BY
Electronics Laboratories of the Swiss Federal Institute of Technology Lausanne, Switzerland

ADVANCED CMOS & BiCMOS IC DESIGN '97

August 18 - September 5, 1997
EPFL, Lausanne - Switzerland

ADVANCED DIGITAL IC DESIGN

Session I : August 18-22, 1997

Evolution and Trends of Microelectronics	M. DECLERQ, EPFL
CMOS & BiCMOS Static Logic	P. DUCHENE, EDAS
High-Speed Single-Phase Dynamic Logic	C. SVENSSON, Linköping Uni.
Interconnects and Related Problems	C. SVENSSON, Linköping Uni.
High-Speed BiCMOS Circuit Techniques	H.-J. PFLEIDERER, Uni. Ulm
Clocking Strategies	K. ESHRAGHIAN, E. Cowan Uni.
Systolic Arrays	H.-J. PFLEIDERER, Uni. Ulm
Memories and Regular Structures	K. ESHRAGHIAN, E. Cowan Uni.
PLA, Latch-up and Protections	K. ESHRAGHIAN, E. Cowan Uni.
I/O and Chip Assembly	K. ESHRAGHIAN, E. Cowan Uni.
Design for Testability	A. OSSEIRAN, EPFL
VHDL for VLSI Design	A. VACHOUX, EPFL
Basics of LP Circuit and Logic Design	A. CHANDRAKASAN, MIT
Archi. and System Opt. of Power Cons.	A. CHANDRAKASAN, MIT
Ultra Low-Power Digital Design	C. PIGUET, CSEM

ADVANCED ANALOG IC DESIGN

Session II : August 25-29, 1997

MOS and Bipolar Transistors	E. VITTOZ, CSEM
Modes of Operation and Models	E. VITTOZ, CSEM
Passive Components / Parasitics	E. VITTOZ, CSEM
Analog Circuit Layout Techniques	E. VITTOZ, CSEM
Elementary Building Blocks	E. VITTOZ, CSEM
Analog Functional Blocks	W. SANSEN, KUL
Op-Amps and Comparators	W. SANSEN, KUL
Voltage References	E. VITTOZ, CSEM
Oscillators	E. VITTOZ, CSEM
BiCMOS Building Blocks	H. CASIER, MIETEC
Off-chip Drivers	R. CASTELLO, UPV
Delta-Sigma Data Converters	G. TEMES, OSU
Low-Noise Amplifiers	C. ENZ, EPFL
Future Trends in Analog ICs	E. VITTOZ, CSEM

PRACTICAL ASPECTS IN MIXED-MODE

Session III : September 1-5, 1997

Trends in VLSI Technologies	G. DECLERQ, IMEC
Mixed-Signal Circuit Layout Techniques	T. SCHMERBECK, IBM
Noise Coupling in Analog ICs	T. SCHMERBECK, IBM
Analog & Mixed-Signal IC Layout & Floorplan.	T. SCHMERBECK, IBM
Practical Aspects of SC Circuit Design	G. TEMES, OSU
Smart Power ICs for DC-DC Converters	T. SZEPESEI, ADI
CDS and Chopper Stabilization Techniques	G. TEMES, OSU
Design of Linear SC Circuits in Digital CMOS	G. TEMES, OSU
GHz Low Phase-Noise VCOs in CMOS	M. STEYAERT, KUL
CMOS GHz Dual-Modulus Prescalers	M. STEYAERT, KUL
On-Chip Voltage References and Grounding	P. BROKAW, ADI
MOS Modeling for LV-LI Circuit Design	C. ENZ, EPFL
Potentials and Limitations of SI Circuits	P. DEVAL, MEAD
Design Practices for Manufact. Robustness	B. GILBERT, ADI
Battery Backup Circuits, Op-Amps and Bias	A. GANESAN, Consultant

Deadline for Registration : **JUNE 30, 1997**

Registration Fees : Any One Session = 2'600.- CHF, Any Two sessions = 3'600.- CHF, All Three Sessions = 4'600.- CHF

Course Directors: Michel Declercq, Gabor Temes, Vlado Valence and Eric Vittoz

Contact & Registration Address: V. Valence, EPFL-LEG, EL-Ecublens, 1015 Lausanne, Switzerland, Tel : +41-21-695-2222, Fax : +41-21-695-2220, e-mail : valence@mead.ch

OUR WEB SITE IS THE FOLLOWING : http://dewwww.epfl.ch/leg/post_ht/postform.htm

Scientific Cooperation

It has long been established that when an ordinary domestic cat (*puddy tat domestos*) is dropped from a height of about two metres it invariably lands correctly on all four paws, its "fuselage" assuming a horizontal aspect perpendicular to the gravitational vertical.

Recent culinary research has shown that when a slice of well buttered toast is dropped from a similar height, it invariably effects a landing with the butter side down, parallel to the terrestrial horizontal. These two findings have led to the formulation of the "catato" theory, the final "giant step" for man in his quest for perpetual motion; its practical application is as follows.

Take one large slice of toast and apply to it a liberal coating of butter; now obtain a cat, and attach its paws to the buttered side of the toast. Lift the combination to a suitable height and then release it; the cat immediately takes control and the system descends in stable "free fall", paws down. But - on approaching terra firma, control is passed to the buttered toast and the device inverts itself, with the toast on top and the cat beneath. these reversals of role constitute a continuous motion; *perpetuum mobile* at last! A few trivial engineering problems remain before the world will have access to this unlimited "green" power.

There would of course be the minor problem of unemployment amongst electrical engineers, but worry not: ample employment opportunities would exist on cat farms, in bread bakeries and in the dairy farming industry. The National Aeronautics and Space Administration has been requested to take up the question of "in flight" refuelling.

R.S.B.+S.H.B.

Why Confer?

Subtract its technical publications and little remains of the Institute but "Conferences"; gatherings of like minded people supposedly discussing their common problems and advancing theories to explain some hitherto poorly understood observation. What is the reality behind this conferential Utopia?

For a start it would help if someone were to define: Workshop, Meeting, Colloquium, Conference and Seminar; perhaps he might also persuade organising committees to avoid those all-too-common publicity cliches: Provide a Forum for..., Push back the Frontiers of Science, Foster Interdisciplinary Cross-Fertilisation".

COMMUNICATING WITH THE AUDIENCE

Is it too much to ask of our conference committees that they should set out to find ways of producing conferences of quality in which the speakers start and finish on time, address the back row and not just those in the front, show slides that everyone can see and avoid mathematics which cannot be properly appreciated when they are either too small or too complicated.

There is one especially common illusion: it is that one can produce the text and diagrams for a written paper and then without further work reproduce all or part of it as slides for a projector, or transparencies for overhead projection. It is of course quicker to do it that way, but you owe it to your audience to produce a paper tailor made for the occasion; they have done you the honour of coming to listen to you - make their listening worth while. One contribution to the solution of these problems, adopted particularly by the smaller Societies, is for the chairman to put the question to the audience: "Is it your wish that this paper should be published in the Society's journal.?" The decision can be taken by a show of hands.

The conference organisers are there to ensure the success of their conference; that means much more than finding a room, giving the attendees a name badge, and seeing that they are fed three times a day. You might provide a room with a projector, a table and a few chairs. Here it should be possible to have a trial run, not necessarily for a complete paper, would some helpful members of the Society be on hand to give advice and perhaps criticism before the real thing - a very delicate operation requiring experience and tact. It would be more work for the organisers but it might lessen the number of occasions on which we have to suffer a vocal rendering from the 1st slide.

THE INSTITUTE OF ELECTRICAL
AND ELECTRONICS ENGINEERS INC
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SOCIETY

The message so far is that the speaker has attended Junior School and is familiar with the English alphabet. This is followed later by a slide showing the important results obtained from the author's experiments.

.01.02.03.04.05.06.07.08.09.10
.09.08.07.06.05.04.03.02.01.00
.01.02.03.04.05.06.07.08.09.10
.09.08.07.06.05.04.03.02.01.00

Perhaps the Regional Conference Committee might be persuaded to produce a small booklet giving advice on the design of slides and the convincing presentation of a paper.

Editor

Letter to the Editor

Sir,

Good Bye Telephone. Region 8 News report on the Sections Congress 1996. Is "Vox" replacing "Telephone"?

Rather an alarming trend to find Latin replacing English when so few of us know Latin, and its declensions: those of us at AT&T can't imagine AV&T! Vox Piscataway sounds arrogant and probably vulgar to the non cogniscenti!. Wouldn't the second declension of the noun vox be voces, not voxes??!! Merry Christmas.

Ralph Wyndrum Jr. President, CPMT

Dear Dr. Wyndrum

May I thank you for your very kind letter, it is indeed a pleasure to learn that Region 8 News reaches so far into regions a long way from its home base.

For my part I have no objection to the use of Latin or any other language provided that meanings are not obscured by simulated erudition or incomprehensible jargon. Where would our music be without Italian and what better language than French to describe gastronomic delights. What about those useful tags e.g., i.e., non sequita, et al; and how could biology, anatomy or the law survive without Latin.

My intention in that short SC '96 paragraph was simply to draw attention to the possibility that Latin might suffer the same fate as English in the hands of the transatlantic lexicographers; "voxes" being but one example of that possibility. Incidentally, what is a "vox" or for that matter "a voice mail"; Piscataway seems to be unsure? Thank you for your Christmas good wishes: have a happy & prosperous 1997..

Regards from yours sincerely Mick Byford, Editor

Region 8 News Mailing Services

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Detailed costs for these and other mailing services may be obtained from the Editor, IEEE Region 8 News, 46 Crooksbury Road, Farnham, Surrey, GU10 1QB England.

Tel: +44 1252 2625 Fax: +44 1252 783020.

E-mail: g.byford@ieee.org

Inserts to: Mr. M. Stoneman, Region 8 News, Alpha Mail Ltd., 14 Victoria Way, Burgess Hill, RH15 9NF England.

Packages to be marked: "Educational Material - No Commercial value".

Deadlines: 25th of the month preceding publication.

Publication: February - May - August - November

Printed Advertisements

in the Editorial Pages

All advertisements in Region 8 News are in colour; either "spot" colour or "full" colour. Spot colour is used for the heading to this announcement; full colour is as you would see it in a colour photograph. For spot colour you need only mark your "copy" where colour is required. For full colour you will need colour separation films; you may provide your own or our printers will make them for you - at cost.

Full Page 18.5x26.4 cm £1,400

Half Page 18.5x13.2 cm £750

Quarter Page 9.25x13.2 cm £350

Deadlines: 10th of month preceding publication.

Publication: February - May - August - November

Copy may be submitted by: E-mail: g.byford@ieee.org -

Diskette: DOS ASCII or other standard format -

Fax: +44 1252 783020 - Typewriter - (Please no handwriting).

The Editor, Region 8 News, 46 Crooksbury Road, Farnham, Surrey, GU10 1QB England. Tel: +44 1252 782625

Conference Record

Rome, Italy

11-12 June 1996

RADME '96 Third Italian Symposium on

Meteorological Radar

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