

IEEE region8news

The Institute of Electrical and Electronics Engineers, Inc. 445 Hoes Lane Piscataway, NJ 08855

<http://www.ewh.ieee.org/reg/8/>

<http://www.ieee.org/regional/r8/>

2001 Annual Elections and Regional Awards

Prof Anthony C Davies has been elected as Director-Elect for 2002. He will assume the position of Director of Region 8 for 2003-2004. On behalf of Region 8 the *R8News* extends to Tony heartiest congratulations and good wishes for the responsibilities which lie ahead. (tonydavies@ieee.org)

Regional Activities

The 2002 RAB Vice Chairpeople are:
Region, Section, Chapter Activities:

William Gjertson

Member Activities: Louis A. Luceri
(Re-elected)

Strategic Planning: Irving Engelson

Student Activities: Manuel Rodriguez-Perrazza

2002 RAB Treasurer: Pedro Ray

Awards

Region 8 can be justly proud of the achievements of its volunteers. Numerous Awards have been made to them in recognition of their services to the IEEE.

RAB Leadership Award

Gozde Bozdagi, "For stimulating and excellent leadership in Student Activities in the IEEE Turkey Section, IEEE Region 8 and RAB Student Activities initiatives."

RAB Achievement Awards

Henrich Lantsberg, "In recognition of dedicated and longstanding service to the work of IEEE Region 8 and the Russia Section."

Ali Aydogan (Joint Award with Yakup Bayram -Region 2), "For their outstanding achievement in promoting and fostering growth of IEEE membership among students in Turkey."

Jaafar M. Al-Ibrahim, "For his outstanding efforts in facilitating the formation of several new sections and the rejuvenation of inactive sections in Region 8."

Duncan Baker, "In recognition of outstanding effort and success in editing and producing of the Region 8 News."

Region 8 Section Volunteer Award for 2000

Soliman El Debeiky, "For outstanding service to the IEEE Egypt Section."

2001 Annual Election Results

OFFICE OF PRESIDENT-ELECT, 2002:

Michael S. Adler

OFFICE OF REGION DELEGATE-ELECT/DIRECTOR-ELECT, 2002:

Region 8: Anthony C. Davies

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From The Editor

Hello from The Editor's Desk

Two computers on my desk, and a telephone and fax are the tools with which I assemble this newsletter and communicate with you, receive and edit your contributions and correspond with our publisher in IEEE HQ. I live in London, have run my own business for many years and have in the past served as Chairman of the United Kingdom & Republic of Ireland Section, among other volunteer activities.

The task I have is considerable, since it has been done so well by my predecessors, and like them I volunteer my time, so have to fit it into my daily life as best I can.

There is a lot of interest in IEEE activities that you do. Let others know about them, by writing a short report and sending it to e-mail address r8news@ieee.org. My job is to bring IEEE news to you four times a year in print. Although much of this information is already available to some members who can access the *Region8 Newsletters* (monthly) at www.ewh.ieee.org/reg/8/, for many members on-line information is not a practical reality.

So let me know what you will find useful and interesting to read in this Newsletter. I look forward to bringing you *Region 8 News!*

Roland Saam
r.saam@ieee.org



Section and Chapter News

FRANCE

Les Anciens de la Radio et de l'Electronique

The following monthly evening lectures will be held at the headquarters of FIEEC, at 17 Rue Hamelin, 75116 Paris. Scheduled times are always at 05:00 pm (17:00), unless otherwise specified. The lectures are followed by a cocktail function.

February 12, 2002, Guy LE PARQUIER, "Ergonomy of Displays"

April 9, 2002, Dr. JM COLIN, "Stealth Targets."

President: General Jean Augier

Secretariat: M Chantelle

01 45 85 37 40

Vice-President: Michel H Carpentier

GSM 05 07 72 32 58

United Kingdom and Republic of Ireland

The UKRI Section has been successful in its attempts to nominate IEEE Historical Milestones. Currently it is planning to celebrate dedications and will pursue further nominations as indicated below:

Benjamin Franklin's house in London (approved as an IEEE Milestone in 1990). Arrangements for an appropriate dedication ceremony of the plaque is in hand.

- Transmission of radio at Poldhu. The dedication is planned for the centennial on 12 July 2002.

- Television transmission at Goonhilly
- Shannon Hydroelectric Scheme
- Fleming Valve
- World War II code-breaking work at Bletchley Park will be proposed as a possible Milestone in the near future.

Tom Hammons

Chair, UKRI Section

thammons@elec.gla.ac.uk

UKRI Section Committee meets twice yearly with some twenty technical Chapter leaders, to report on activities and finances, to plan future events, including conferences, workshops, social and student activities. All members are welcome to participate and observe. Next meeting Wed. 13 March 2002, Kings College EE, The Strand, London WC1 at 11:00 and 14:00 hrs. Visit web page www.ieee.org.uk.

REGION 8 CONTACTS

HELP DESK MEMBERS

Members, students, applicants may have all their questions answered by contacting the Help Desk volunteers/staff. Please use this service freely. Information on what, where, when, how regarding membership, payments, procedures.

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REGION 8 OPERATING COMMITTEE

See <http://www.ewh.ieee.org/reg/8/committee/index.html> for descriptions, by-laws. E-mail addresses of Region 8 Committee Officers - 2002:

Officers and Vice Chairs

Director
Prof Levent Onural
1.onural@ieee.org

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(V/C Technical Activities)
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R8 DEADLINES (NEWSLETTER SCHEDULE 2002)

Region 8 News is printed four times a year and distributed with *IEEE Spectrum*.

Please submit by e-mail to r8news@ieee.org in a file attachment in Text Format, Generic WordProcessor, Word, or Wordperfect, AND include with your submission a short description of what, where, when together with the name of the text file and any photo files.

The deadlines for the *Region8 News* for 2002 are as follows:

May 2002 Issue: 07 March 2002

August 2002 Issue: 4 June 2002

November 2002 Issue: 05 September 2002

Web Bulletins containing *Region 8 News* are published every month and then consolidated into the print each quarter year. Contributions received ten days before the month will be considered for publication on *Region 8 Newsletter Website*.

Photographs on p. 5, 7, 8, 12 thanks to Duncan Baker.

Volunteer Resources

Members who are active IEEE volunteers will find useful information at www.ieee.org/organizations/vols about how IEEE is organized. Browse to find Calendars, Contact Names, Web Services, IEEE Organizations. Authors guidelines, Technical Society Membership information. Knowledge about Sections, Chapters, Student Branches is freely available. General information about Standards Development, Professional Development, and almost every resource available to you has been assembled on these pages.

SECTIONS CONGRESS 2002

IEEE Sections Congress is a triennial gathering of Section leadership sponsored

by the Regional Activities Board. An event which includes four days of working sessions and networking, Sections Congress involves hundreds of delegates from all ten Regions. At Congress they learn how to utilize the resources of the IEEE to maximize their effectiveness as IEEE volunteer leaders. Workshop, panel and tutorial sessions are held on topics of interest to the Sections.

Congress is the one major meeting sponsored by the IEEE which brings together the Institute's grassroots leadership so that they can share ideas, concerns and solutions.

The Congress is also a forum where the Section Chairs speak as the collective

voice of IEEE membership, expressing ideas about how the Institute can better serve its members, both now and going forward. The issues generated at Sections Congress have had a major impact on the plans made by the IEEE Leadership for the future of the Institute. Some funds may be available to support volunteers travel expenses. Ask at your next chapter or section meeting, and plan now to attend.

IEEE Sections Congress 2002

"Creating a Global Community"

Put it on your calendar . . .

18 – 21 October 2002 J.W. Marriott Hotel
Pennsylvania Avenue Washington, DC USA
sc-coordinator@ieee.org

Conferences and Calendar

Bianisotropics 2002

8-10 May 2002

Marrakech, Morocco

9th International Conference/ Workshop on Electromagnetics of Complex Media

Technically Co-sponsored by IEEE
EDS Society and URSI Commission B

Deadline for submission: December 21, 2001

Conference website: <http://www.ccr.jussieu.fr/bian02/>

The Conference is organized by both University Cadi Ayyad, FSTG Gueliz, Marrakech, Morocco and University Pierre et Marie Curie, Paris, France. The beautiful town of Marrakech has been selected as the location for the conference.

Authors are invited to submit papers on any aspect of electromagnetics relating to complex media. The scope of the meeting encompasses a broad spectrum from fundamental theoretical work to technological applications for novel devices from the microwaves to the optical regime.

The conference will comprise 5-6 half-day sessions on a variety of research concerned with theory and applications of composite and complex media pertaining to electromagnetics (i.e., chiral media, pseudochiral media, anisotropic media,

bianisotropic media, temporally agile media, nonlocal media, nonlinear media, random media, metamaterials, photonic bandgap materials, multifunctional materials, functional gradient materials, piezoelectric, ferroelectric thin films).

Topics of the conference include, but are not limited to:

- Electromagnetic theory of bianisotropic media
- Radiation and propagation of electromagnetic waves in chiral and bianisotropic media
- Waveguides and printed structures using chiral and bianisotropic media
- Scattering by bodies with complex media and complex shapes
- Inverse scattering techniques for complex materials
- Electromagnetics of nonlinear media
- New microwave and optical devices using complex media
- Modeling and applications of composite materials
- Experimental research on complex composite materials

A Registration fee of 1500 MAD/150 EURO (reduced rate 750 MAD/75 EURO for students) includes one copy of the Proceedings, refreshments, lunches and

attendance to the social event. Assistance with accommodation arrangements will be provided by organizers (details will be available on the website <http://www.ccr.jussieu.fr/bian02/>).

Important dates are:

December 21, 2001 - Deadline for Submission of abstracts

January 25, 2002 - Notification of acceptance

March 8, 2002 - Submission of final manuscript and registration

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Finite Elements for Microwave Engineering

30 May - 1 June 2002

Homerion Center, Chios, Greece

6th International Workshop On Finite Elements For Microwave Engineering Antennas, Circuits And Devices

Organized with participation from The University of Michigan at Ann Arbor (USA), Arizona State University at Tempe (USA), Michigan State University at East Lansing (USA), University of Florence (Italy), National Technical University of Athens (Greece), Institute of Communication & Computer Systems (Greece)

General Chairs: J. L. Volakis, University of Michigan, Ann Arbor, MI, USA G. Pelosi, University of Florence, Italy

The purpose of this biannual workshop is to provide a focused forum for researchers and engineers working on the development and applications of Finite Element Methods in electromagnetics and microwave engineering.

Topics:

- Antennas Passive and Active Microwave Devices Computational Electromagnetics
- Scattering Microwave Electronics Other related topics

Important Dates: Authors are invited to submit an original (camera-ready) one-page abstract of no less than 250 words. All contributions must be received by February 1, 2001. Guidelines are available at: <http://speed.esd.ece.ntua.gr/instructions.htm>

Abstract Submissions: Due February 1, 2002

Notification of acceptance: March 1, 2002

Registration: Travel, lodging, registration and local information will be available in the Second Call for Papers. The advance registration fee for all participants including session chairpersons and authors is required.

For More information: refer to the conference Website

<http://speed.esd.ece.ntua.gr/>

VIPromCom-2002

4th EURASIP - IEEE Region 8 International Symposium on Video / Image Processing and Multimedia Communications 16-19 June 2002

Zadar, Croatia

Paper submission deadline: February 01, 2002

<http://www.vcl.fer.hr/vip/>

CALL FOR PAPERS

Conference will be held in the beautiful old town Zadar on the Croatian Adriatic coast. While the scientific program is expected to create stimulating professional interaction, the crystal clear Adriatic Sea, warm June atmosphere and wealth of historic monuments promise a pleasant and memorable stay. Conference is sponsored by EURASIP, IEEE Region 8, IEEE Croatia Section and University of Zagreb. The aim of the Conference is to promote the interface of researchers involved in the development and application of methods and techniques within the framework of video/image processing and multimedia communications. The scientific program includes invited lectures by eminent international experts and contributed papers. Papers accepted by two independent reviewers will be published in Proceedings available at the Conference and abstracted in the INSPEC database.

TOPICS

Image and Video Processing
Image and Video Coding
Image Scanning, Display and Printing
Image and Video Indexing and Retrieval
Speech and Audio Processing
Watermarking and Encryption
Digital Signal Processing (DSP)
Standards and Related Issues
Multimedia Signal Processing
Multimedia Databases
Multimedia and DTV Technologies
Multimedia Applications
Digital Video Broadcasting (DVB)
Video Streaming and
Videoconferencing
Broadband Mobile Technology
Transport Protocols

SPECIAL SESSION

Digital Video Technology and New Products

KEYNOTE SPEAKER

Professor Aggelos K. Katsaggelos, ECE Department, Northwestern University, USA: "Recent Advances in Multimedia Signal Processing and Communications"

INVITED SPEAKERS

Professor K. R. Rao, Electrical Engineering Department, University of Texas at Arlington, USA: "JPEG 2000"

Professor Ralf Schaefer, Image Processing Department, Heinrich-Hertz-Institut, GERMANY: "Image Processing and Coding for an Immersive Teleconferencing System"

SUBMISSION

To submit a proposal, prepare a full camera-ready paper on four pages. "Instructions for Authors" are available on our web-site.

SCHEDULE OF IMPORTANT DATES

Full camera-ready paper to be received by: February 01, 2002

Notification of acceptance mailed out by: March 03, 2002

Preliminary program on the web-site by: March 31, 2002

Registration deadline (Reg. Fee = 130 USD): April 19, 2002

SPONSORED BY

EURASIP
IEEE Region 8
IEEE Croatia Section
University of Zagreb

GENERAL CHAIR

Branka Zovko-Cihlar,
University of Zagreb, Croatia

PROGRAM CO-CHAIRS

Sonja Grgic, Mislav Grgic,
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URL: <http://www.vcl.fer.hr/vip/>



The Region 8 Committee Meeting will be held in Budapest in April 2002. The river Danube provides an interesting setting for the many beautiful buildings.



The architectural beauty of the Buda Castle forms a dramatic backdrop for the night photo of the "Chain Bridge" designed by Clark Adam. For those interested in technological elegance, the bridge is a good example.

CALLS FOR PAPERS

MMS' 2002 - Mediterranean Microwave Symposium 2002 26-28 June 2002

Universidad de Extremadura Cáceres, Western Spain

After the big success of the Microwave Symposium 2000 (MS' 2000) which was held in Tetuan (Morocco) in 2000 and to perpetuate this important microwave forum in our Mediterranean region, the Communications Technology Group of the Universidad de Extremadura will organize the second edition under the name Mediterranean Microwave Symposium 2002. This will be held in Cáceres, a UNESCO World Heritage city.

MMS' 2002 will provide an international forum for reporting progress and recent developments in microwaves theory and applications, electromagnetics, antennas and optical technology.

The Mediterranean Microwave Symposium, 2002 will cover the original work in all topics related to microwaves, electromagnetics, antennas and optical technology.

Electronic manuscripts must be submitted by mail to: mms2002@tsc.unex.es. In order to avoid network problems, a prompt notification will be sent when files have arrived without problems. The e-mail must contain a file with the contribution, in addition to data of corresponding author.

Each presenting author is limited to presenting no more than two papers and is

required to register in advance. A non-refundable fee of 250 Euros must be sent in by March 20, 2002. After this data, a non-refundable fee of 350 Euros must be sent.

One page abstract to be mailed by January 15, 2002

Four-page complete paper must be received by March 20, 2002

Advanced program will be published by March 31, 2002

*MMS'2002 Secretariat
Escuela Politécnica de Cáceres
Universidad de Extremadura
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<http://tsc.unex.es/mms2002/>
Phone: +34 927 257443
Fax : +34 927 257202*

CNNA 2002 22 - 24 July 2002

Johann Wolfgang Goethe-University Frankfurt/Main, Germany

7th IEEE International Workshop on Cellular Neural Networks and their Applications: Nonlinear Information Processing and Intelligent Sensors

General Chair: Ronald Tetzlaff, Goethe-Universitaet, Frankfurt am Main
R.Tetzlaff@iap.uni-frankfurt.de

Supported by the Technical Committees of IEEE CAS Society: Cellular Neural Networks & Array Computing Sensors & Micromachining

Cellular Neural/Nonlinear Networks (CNN) are a paradigm for nonlinear information processing in interdisciplinary

research. CNN Technology is based on the CNN Universal Machine, an analogic super computer, mainly for spatio-temporal problems, allowing trillion operations per second in a single chip.

The CNNA 2002 workshop provides a forum to summarize the state of the art and offers the exchange of new ideas and advances in Cellular Neural Networks and their Applications. Paper submissions on all aspects of Cellular Neural Networks are welcome.

Deadline for submission of papers – Monday, January 21, 2002

Notification of paper acceptance – Monday, April 2, 2002

Deadline for submission of camera-ready papers – Friday, May 17, 2002

For paper submission and further information: <http://www.cnna2002.org>

Conference Secretariat:

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Johann Wolfgang Goethe-Universitaet
Institut for Applied Physics
Robert-Mayer-Str. 2-4
D-60325 Frankfurt a.M., Germany
I.Hatz@iap.uni-frankfurt.de*

URSI 2002 General Assembly 17-24 August 2002

Maastricht, Netherlands

Joint session organized by Commissions H, G, and E: Lightning effects in The ionosphere and the radiation belts

Session Organizers: Steve Cummer, Craig Rodger, and Yasuhide Hobara

This session will cover all aspects of

coupling between lightning and the Ionosphere/magnetosphere system. This includes direct interactions, such as those leading to transient optical emissions like sprites and jets, and indirect interactions, such as whistler-induced magnetospheric particle precipitation and its effect on the radiation belts. Papers reporting experimental and theoretical results on these and related topics, such as the local and global effects of these processes and the characteristics of lightning responsible for these phenomena, are solicited.

Abstract Deadline: 15 January 2002

Abstracts can only be officially submitted on the web at <http://www.ursi-ga2002.nl>.

Please send a copy of your abstract to one of the convenors via e-mail: cummer@ee.duke.edu, crodger@physics.otago.ac.nz, or hobara@cnr-orleans.fr

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EIS 2002 ENGINEERING INTELLIGENT SYSTEMS 24 - 27 September 2002

**University of Malaga
Malaga, Spain**

Third International NAISO Symposium on engineering of intelligent systems and the ISMC 2002 Workshop Workshop on Information Systems for Mass Customization. The extensive call for papers, including committees, topics and more information on all special events can be downloaded from the website at: <http://www.icsc-naiso.org/conferences/eis2002/indexcfp.html>

Submission deadline for the EIS 2002 and the ISMC workshop: December 20th, 2001 (extended)

Keynote Speech by Prof. David E. Goldberg, "Prospects for a Golden Age of Computational Innovation: How Competent, Efficient Genetic Algorithms Will Change Our Future."

More details on the website under <http://www.icsc-naiso.org/conferences/eis2002/indexsp.html>

Plenary Speeches

Plenary presentations have been confirmed by A. Ollero, Spain and R. Babuska, The Netherlands

Submission also open for the following special events:

Special Track within the EIS 2002 Chaos and Computation organized by Prof. Nigel T. Crook and Dr. Tjeerd Olde Scheper

<http://www.icsc-naiso.org/conferences/eis2002/indexsp.html> (under invited sessions)

The purpose is to give people the opportunity to share their research on how they are using chaos in the context of computation and information processing. More specifically, we are interested in how people are taking advantage of the properties of chaos (e.g. sensitivity to initial conditions, ability to synchronize, space filling, etc) when addressing computational or information processing problems.

Our target audience will primarily include researchers from intelligent systems, communications, information systems and neuroscience. We are not aiming this specifically at Chaoticians who are contributing to the mathematics of chaos, rather than how it may be used in information processing.

Topics (not exhaustive) include:

- Chaotic neural networks
- Chaos and synchronization
- Applications of chaos to secure, noise tolerant secure communications
- Control of chaos in the context of information processing
- Chaos and neuroscience
- Applications

WORKSHOP Hybridization of Neural Networks and Genetic Algorithms (HyNNGA)

Organized by Dr M. Rocha and Dr P. Cortez
The workshop is intended to gather people investigating in this field, providing room for debate of the different approaches.

Topics

- Training methods for NNs based on GAs
- NN topology optimization via GAs
- Genetic Data filtering for NN feeding
- Lamarck vs Baldwin evolution
- Reinforcement learning
- Artificial life environments
- Practical applications of hybrid GA/NN methods

Organizers

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ISMC-2002 EIS-2002 INFORMATION SYSTEMS MASS CUSTOMIZATION WORKSHOP

24 -27 September 2002

Malaga, Spain

Second Workshop on Information Systems for Mass Customization (ISMC 2002) (<http://www.wi.cs.uni-magdeburg.de/mc/ismc2002/>), as part of the Third International ICSC Symposium on Engineering of Intelligent Systems (EIS 2002),

For detailed information:

<http://www.icsc-naiso.org/conferences/eis2002/indexsp.html>

Workshop Chair and Organization

Prof. Dr. Claus Rautenstrauch
Otto-von-Guericke-University
Magdeburg, Germany
PD Dr. Klaus Turowski
University of the Federal Armed Forces
Munich, Germany

EIS 2002 Organizing Committee

Honorary Chair: Witold Pedrycz,
University of Alberta, Canada
General Chair: Jose Ruiz Gomez,
Engineering and Automation, University of
Malaga, Spain

Important Dates for the EIS 2002 and
the ISMC workshop:

Submission Deadline: December 20th,
2001 (extended)

Notification Deadline: February 28,
2002

Final Manuscripts + Early bird registra-
tion: April 15, 2002

Registration: May 30, 2002

Conference Organizer

NAISO Interdisciplinary Research Inc.

Correspondence to:

NAISO The Netherlands (Operating
Division)

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Phone: +31-184-496999,

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eis2002@global-conf.org
(Operating Division)
planning@icsc.ab.ca
(Planning Division)

For all information submissions we refer to the website at:
<http://www.icsc-naiso.org/conferences/eis2002/indexsub.html>



Four of the members of the Region 8 Committee relax before starting their meeting in Budapest at the beginning of December. Left to right are Kurt Richter, Tony Davies (Region 8 Director Elect), Tuncay Birand (Chair of the Committee) and Aleksander Szabo. The fifth member, Duncan Baker, is behind the camera.

ICSC 2002 SATELLITE COMMUNICATIONS 25 - 27 September 2002

Moscow, Russia

The 5th International Conference and Exhibition on Satellite Communications

Jointly organised and presented by:

- Russian Popov Society for Radioengineering, Electronics and Communications
- Institute of Radioengineering & Electronics, Russian Academy of Sciences
- State Committee on Communications and Informatization of Russian Federation
- Joint stock company "Telecom"
- International Centre for Scientific and Technical Information
- Institute of Electrical and Electronics Engineers (IEEE)
- IEEE Russia Section
- IEEE Region 8 (Europe, Africa and Middle East)
- IEEE Communications Society
- IEEE ComSoc Russia Chapter

Main Conference and Exhibition Topics

- Fixed satellite services
- Mobile satellite services
- Mini- and microsatellites
- Platforms, launchers and space transport systems
- Broadcasting satellite service: direct reception
- TV and sound broadcasting
- Satellite based systems with high elliptical and low Earth orbits, including small satellites
- Satellite navigation and place determination systems
- Satellite based systems with high elliptical and low Earth orbits. Ecological monitoring
- Satellite networks VSAT/USATs and business television
- Distress and safety satellite communications systems

- Electromagnetic compatibility of satellite communications systems
- Satellite Network Management
- Electronics for satellite systems
- New technology for on-board satellite equipment
- Personal communication systems (e-mail, video conferences, computer networks, etc.)
- Application areas, services and users of satellite communications systems
- Trends in applications of satellite communications in education and training
- Principles and results of satellite technologies for peaceful purposes conversion
- Perspectives in international, regional and national policies in satellite communications
- East-West cooperation - ways for satellite communications development and infrastructure

Deadlines

May 15, 2002: Abstracts of papers due for review (500 words)

June 15, 2002: Notification of acceptance

July 15, 2002: Full version of camera-ready manuscript due (6000 words)

For more information please contact:

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International Technical Committee;
Vice-chair, IEEE Russia Section
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Head, Computer Department,
International Centre for Scientific and

Technical Information
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Phone: 7(095) 198-7691
Fax: 7(095)943-0089
E-mail: enir@icsti.su

PSP 2002 September 25-27, 2002

Bled, Slovenia

13th International
Conference on Power System
Protection is organized by
University of Ljubljana and

co-organized by the Slovenian IEEE section.

The aim of the conference is to exchange the new ideas and practical experience between the power engineers and academia in the field of protective relaying and its integration into local control and automation concepts. The emphasis is both on the research results and practical applications.

Important deadlines:

March 31, 2002 Submission of papers

May 31, 2002 Notification of paper acceptance

The call for paper and more information can be found at: <http://www.psp-conference.org/psp2002.html>

or contact:

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2002 IEEE International Ultrasonics Symposium 8 - 11 October 2002

Forum Hotel / Munich, Germany

Sponsored by the Ultrasonics, Ferroelectrics & Frequency Control Society, In cooperation with VDE Association for Electrical, Electronic & Information Technologies, Germany

Abstract Deadline: May 16, 2002

Papers are solicited describing original work in the field of ultrasonics. Poster and oral presentation formats will be used at the

Conferences *continued*

Symposium. Prospective authors should note that poster sessions provide an alternative format, which allows for greater flexibility and expanded audience interaction.

Additional conference information can be found at the Symposium web site:

<http://www.ieee-uffc.org/2002>

Papers are solicited from the following subject classifications:

Group 1: Medical Ultrasonics

Group 2: Sensors, NDE & Industrial Applications

Group 3: Physical Acoustics

Group 4: Surface Acoustic Waves

Group 5 Transducers & Transducer

Materials

New this year: Proposals for Focused Sessions are invited and highly encouraged.

To make suggestions for topics, or to volunteer to help organize/participate in a Focused Session contact the Technical Co-Chairs.

The deadline for proposals is February 19, 2002.

Student Travel Support: Limited funds are available to support student attendees at 2002 symposium. Awards will be made on a competitive basis. Further information will be posted on the web page. The application deadline is July 7, 2002.

Student Paper Competition: Students who are submitting abstracts for presentation are invited to participate in a special student paper competition.

Student paper finalists will be chosen by the Technical Program Committee (TPC) to join the final competition at the 2002 Symposium and to receive special accommodation during the Symposium in the Deutsches Museum. Five winners (one from each area of the TPC) will be chosen to receive a cash award. Students should indicate their interest by marking the appropriate box on the abstract submission form. More information about the competition can be found on the meeting web site (<http://www.ieee-uffc.org/2002>).

The Symposium will be held right after the well-known Oktoberfest. For your information, please browse through www.munich-tourist.de/english/englisch/oktoberfest/munich-oktoberfest-welcome.htm.

General Co-Chairs
Clemens Ruppel



The IEEE Board of Directors met in Mexico City during November 2001. The Nearby pyramids dating back to long before the Spanish Conquest are spectacular and well worth a visit.

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IEEE EMC 2003 11 - 16 May 2003

Tel-Aviv, Israel

The 2003 IEEE International Symposium on Electromagnetic Compatibility

We are delighted to announce that the 2003 IEEE International Symposium on EMC will be held in Tel-Aviv, on May 11-16, 2003. The Symposium will provide excellent opportunities for EMC researchers, scientists, engineers and vendors, working in the area of theoretical and applied EMC to present the latest research results, discuss problems of current and mutual interest and exchange views and experience, related to new EMC components, materials and equipment.

Workshops, tutorials, "Birds of a Feather" panels and special invited sessions will be organized on stimulating topics. The Symposium will be accompanied by a technical exhibition related to EMC.

Authors are invited to submit original, unpublished papers on all aspects of EMC. Abstracts and Preliminary Manuscripts in

English, either by electronic mail or mail, should be received by July 15, 2002.

If hard copy (printed) submission is made by mail, the authors should send the above information on a diskette with four (4) copies of each to the Technical Program Committee at the following mail address: 2003 IEEE EMC Symposium Secretariat, c/o Ortra Ltd., P.O. Box 9352, Tel-Aviv 61092, Israel. Sorry, FAX submissions will not be accepted.

Authors' Schedule

Submissions (electronic or printed) must be received by Monday, July 15, 2002. Late submissions will not be considered.

Notification of Acceptance – December 1, 2002

Camera Ready Final Manuscripts – March 15, 2003

Technical Exhibition

The Symposium will be accompanied by a **technical exhibition** on EMC. Potential exhibitors are kindly invited to order a booking kit.

For further information please contact Symposium Secretariat:

ORTRA Ltd.
1 Nirim Street, P.O. Box 9352, 61092
Tel-Aviv, Israel

Tel: +972-3-6384444
Fax: +972-3-6384455
E-mail: emc2003@ortra.co.il
Or visit our web site:
<http://www.ortra.com/emc2003>

Elya B. Joffe
Symposium Chair
eb.joffe@ieee.org

Calendar of Events

ISIT '02

30 JUNE - 5 JULY 2002

**Palais de Beaulieu, Lausanne,
Switzerland**

2002 IEEE International Symposium on Information Theory

The conference covers interesting and important recent advances across all sub-fields of Information Theory.

<http://isit02.epfl.ch>

Renato Renner, Institute of Theoretical Computer Science ETH Zurich CH-8092 Zurich, Switzerland

Telephone: +41 1 632 64 17 Fax: +41 1 632 11 72 E-Mail: renner@inf.ethz.ch

IEEE-ISIE 2002

**JULY 8-11 L'AQUILA, ITALY
INTERNATIONAL SYMPOSIUM
ON INDUSTRIAL ELECTRONICS**

The purpose is to provide a forum for presentation and discussion of State-of-art industrial Electronics and Related areas.

Sponsored by IEEE Industrial Electronics Society, University of L'Aquila, Society of Instrument and Control Engineers

Topics: Emerging Technologies; Factory Automation; Industrial Control,

Instrumentation, and Signal Processing; Intelligent Systems; Mechatronics; Power Electronics; Conference web-site
<http://isie2002.ing.univaq.it>

Student Program paper submission deadline is March 1, 2002

Contact M.Liserre liserre@ieee.org or
O Kayanak kayanak@botun.edu.tr
General co-chairman c.cecatti@ieee.org

AFRICON'02

**2 - 4 OCTOBER 2002
TUTORIALS ON 1 OCTOBER 2002
THE FANCOURT HOTEL AND
COUNTRY CLUB, GEORGE,
SOUTH AFRICA**

AFRICON is a multidisciplinary conference, and one of the major international conferences sponsored by Region 8 of the Institute of Electrical and Electronics Engineers (IEEE). AFRICON '02 is organized by the IEEE South Africa Section in association with IEEE Region 8 and other interested organisations.

Themes and Topics:

The topics for which papers are solicited include, but are not limited to:

- Aerospace and Electronic Systems
- Communications and Signal Processing

Components

- Computer Science
 - Computer Systems
 - Control
 - Education and Technology
 - Energy and Power Systems
 - Engineering Management
 - High Frequency Techniques and Antennas
 - Information Systems
 - Power Electronics and Drives
- Submission deadline: 6 February 2002
See p. 7 of the August 2001 issue of the *R8News* for more details, or visit the website:
<http://www.cs.wits.ac.za/info/ieee/afriicon02/>

EMS 2002

**18 - 20 AUGUST 2002
CAMBRIDGE, UK**

The IEEE Engineering Management Society International Conference on Engineering Management, Cambridge, England.

Closing date for submission of Abstracts is 31 January 2002.

Contact: Prof. Tariq S Durrani
E-mail: t.durrani@ieee.org

See November 2001 issue of *R8News* for details.

News from IEEE

BOOKS

OPTICAL NETWORKING READERS

17 SEPTEMBER 2001.

There is so much newly written on optical networking, that it can be a daunting task for a busy professional to keep up with the latest trends. IEEE Educational Activities Selected Readings books, Optical Networking I and II, deliver state-of-the-art information for practicing electrical and computer engineers. Each collection provides an overview of specific areas and papers describing the field in detail. Dr. Mehmet Toy, editor of both volumes, has selected the best previously published papers on optical networking from prestigious journals and transactions of the last three years. The books are grouped by sub-topics and need not be read in order. Prefaces to the volumes are available for your inspection at

www.ieee.org/organizations/eab/PDI/pages/courselist/preview.htm/

Optical Networking I provides readers with a collection of papers describing issues from optical components such as amplifiers to management of optical networks. Topics include:

- Architectures for Wide and Local Area Networks
- Key devices for building optical networks including MEMS
- Architectures for cross connects and architectures for optical switches

Optical Networking II provides readers with knowledge on how to accommodate for the immense capacity of fiber optic needs. By using this material, engineers will know how to match fiber needs with switches, routers, and cross connects, as well as ways to support increasing traffic demands.

Topics include:

- Signaling and Routing
- Scalability
- Restoration
- Quality of Service

This collation of materials will aid engineers in managing the huge growth of information in optical networking. It can also provide background for those engineers managing in the optical networks area. Toy has a strong background in Optical Networking with a Ph.D. in Electrical Engineering and years of accomplishments with AT&T, Lucent Technologies, and most recently, Axiowave Networks. His expertise assures readers that the volumes are filled with the most current quality materials.

To order, use the following product numbers:

Optical Networking I #SR 118, member: \$75.95, list: \$89.95

Optical Networking II #SR 119, member: \$75.95, list: \$89.95

IEEE Customer Service Department,
445 Hoes Lane, PO Box 1331, Piscataway,
NJ, 08855-1331, USA;

e-mail: customer-service@ieee.org;
phone +1 732 981 0060 (worldwide); Web:
<http://shop.ieee.org/store> — choose the
button Education & Training for a complete
list of EAB products.

Lynn Murison
Outreach Administrator,
IEEE Educational Activities
ph: 1.732.562.6526
www.ieee.org/organizations/eab/

E-MAIL ALIAS SERVICE STOPS RECORD NUMBER OF VIRUSES

The IEEE Personal E-mail Alias Service stopped nearly 25,000 viruses in July — five times more than in June. All IEEE e-mail is routed through this service, which is free to all members. About 65,000 members currently use it. Before accepting incoming e-mail, the service scans all messages and attachments with anti-virus software, which is updated daily. If a virus is detected, the message is deleted. An alert is then sent to the sender and the recipient. Clean messages are immediately delivered.

For more information, contact Matt Persons, IEEE Information Technology, at m.persons@ieee.org.

Web page <http://eleccomm.ieee.org/personal-alias>

The IEEE LEADERSHIP WIRE
14 September 2001 Vol. VI, No. 17

ASPP LANDS FIRST ENTERPRISE-WIDE CORPORATE CLIENT

IEEE Sales & Marketing has secured a deal to provide the first corporate, enterprise-wide license for the All Society Periodicals Package (ASPP). Previous licenses for ASPP were for one site location at a time, usually to colleges and universities. Now, more than 2,500 Schlumberger Limited researchers at 176 sites on six continents have access to ASPP.

Schlumberger Limited develops services and technology for the petroleum, telecommunications, finance and trans-

portation industries, and is a leading supplier of smart-card technology.

The IEEE LEADERSHIP WIRE
14 September 2001
Vol. VI, No. 17

2002 IEE FARADAY LECTURE SCHEDULED

The 2002 IEE Faraday Lecture on “Smart Living @ home with technology” will be broadcast at 1 p.m. EST on 6 Feb. 2002.

www.ieee.org/eab/precollege/faraday/index.htm

The IEEE LEADERSHIP WIRE
14 September 2001
Vol. VI, No. 17

IEEE JOURNALS RANK HIGH IN INDUSTRY CITATIONS STUDY

IEEE journals and magazines were among the most cited in 2000, according to the Institute for Scientific Information’s recently released Journal Citation Report. The study ranks the number of times journals and magazines are quoted or cited by other scientific publications in the initial year of publication.

The IEEE had nine of the top 10, 16 of the top 20 and 40 of the top 60 most cited journals in the field of electrical and electronic engineering. “*The Proceedings of the IEEE*” was the most highly cited IEEE journal overall, ranking second. Elsevier Science’s “*Progress in Quantum Electronics*” ranked first.

The IEEE had the top-cited journals in the following categories:

- Automation & Control Systems
“*IEEE Transactions on Automatic Control*”
- Engineering & Manufacturing
“*IEEE Transactions on Semiconductor Manufacturing*”
- Robotics
“*IEEE Transactions on Robotic Automation*”
- Telecommunications
“*IEEE Communication Magazine*”
- Transportation Science & Technology
“*IEEE Transactions on Vehicular Technology*”

IEEE LEADERSHIP WIRE
28 September 2001
Vol. VI, No. 18

U.S. NAVAL COMPUTING MACHINE LABORATORY NEW IEEE MILESTONE

The IEEE has named the U.S. Naval Computing Machine Laboratory in Dayton, Ohio, USA as a Milestone in Electrical Engineering and Computing. The milestone ceremony will take place on 19 Oct. in Dayton.

The U.S. Navy, in conjunction with the National Cash Register Co. (NCR), developed a series of code-breaking machines from 1942-1945. Six hundred female volunteers, 100 U.S. Navy officers and enlisted men, and a large civilian workforce built the first deciphering machines in NCR’s Building 26. The machines have been credited with significantly shortening World War II and saving tens of thousands of lives. For more information, visit www.ieee.org/organizations/history_center/milestones_photos/bombe.html.

The IEEE LEADERSHIP WIRE
28 September 2001
Vol. VI, No. 18

‘TODAY’S ENGINEER’ WINS BUSINESS COMMUNICATOR’S AWARD

IEEE-USA “*Today’s Engineer*” received the International Association of Business Communicators’ Silver Inkwell Award of Excellence for external four-color magazines. The award was for three issues of “*Today’s Engineer*” published last year. Although the print publication was discontinued in 2000, it is published online monthly at www.todaysengineer.org.

The IEEE LEADERSHIP WIRE
28 September 2001
Vol. VI, No. 18

IEEE Identity Standards Compliance

Transition to the new Identity Standards for the use of the IEEE Master Brand is underway. All print and electronic materials — including publications, documents, multimedia materials and Web pages — should comply with the Master Brand Identity Standards by 31 Dec. 2001.

To obtain a copy of the standards, visit <http://www.ieee.org/copyright/IDStandard>

s.pdf". For more information, contact the IEEE Intellectual Property Rights Office at copyrights@ieee.org

The IEEE LEADERSHIP WIRE
19 October 2001
Vol. VI, No. 20

New Volunteer Resources Page

The Volunteer Resources Web site at "<http://www.ieee.org/organizations/vols/>" has been revised. New features include links to organizational unit's home page, quick links to sites used by volunteers, and a feedback page to suggest sites that should be linked from the Volunteer Resources Home Page.

For more information, contact John Wettlaufer, IEEE Technical Activities, at "j.wettlaufer@ieee.org".

The IEEE LEADERSHIP WIRE
19 October 2001
Vol. VI, No. 20

Web Resource On Engineering A Response To Terrorism

Information on terrorism from government, advocacy groups, news agencies and the IEEE, as well as proposed solutions is now available on the IEEE-USA Web site. The information is intended to promote a discussion of measures the IEEE and its members can take to help stop terrorism. Visit "<http://www.ieeeusa.org/forum/terrorism.html>".

The IEEE LEADERSHIP WIRE
19 October 2001
Vol. VI, No. 20

Opportunity To Promote IEEE Conferences On Home Page

The IEEE Home Page editors seek to increase IEEE conference coverage by spotlighting notable keynote speakers, novel technologies, new and unique locations, uncommon tutorials or other sessions.

Conferences must have submitted an information schedule to IEEE Conference Services at "<http://www.ieee.org/organizations/tab/conflink.html>" and have a Web site to be considered.

Send IEEE-sponsored or cosponsored conference information to Debra Schiff, IEEE Corporate Communications, MailTo:"d.schiff@ieee.org".

The IEEE LEADERSHIP WIRE
19 October 2001
Vol. VI, No. 20

'What's New' Newsletter Hits 100,000 Subscriptions

Subscriptions to the "What's New@IEEE" newsletter totaled more than 100,000 in September. E-mail subscription invitations from IEEE President Joel Snyder sent in September resulted in almost 25,000 new subscriptions. The most popular newsletters are "What's New@IEEE for Communications" and "What's New@IEEE for Computing."

For more information, contact John Platt, IEEE Sales & Marketing, at MailTo:"j.platt@ieee.org".

The IEEE LEADERSHIP WIRE
19 October 2001
Vol. VI, No. 20

Pulling The Piece\$ Together

Whatever your Section's method of financial record keeping - whether it's tossing receipts and canceled checks into an old shoebox or using the latest accounting software - it all has to be pulled together at year end into a financial report (L50) for IEEE headquarters. Packages with the forms and instructions will be mailed in December to all Section, Council and Region Treasurers. The updated version will also be available on the web in December at www.ieee.org/scsreports. The web form is a downloadable Excel file. The built in formulas make errors less likely and it can be returned electronically, saving on mailing time and postage.

Financial reports must be postmarked, faxed or e-mailed by 22 February 2002. If necessary, supporting documents such as audit information, bank statements and signature pages, can be sent in separately as soon as possible thereafter.

If you have questions, please contact Vicki Waldman at v.waldman@ieee.org.

SCOOP
October 2001

Are Your IEEE Volunteers Also Community Volunteers?

One of the tracks for IEEE Sections Congress 2002 (SC 02) is "Careers and Community Service". The SC 02 program committee is looking for examples of IEEE Sections becoming involved with their community. Such examples might be featured in a session at SC 02.

Does your Section work with a local

school on (for example) their "Science Olympiad". Or has your Section reached out to other local nonprofit organizations (such as the Red Cross or YMCA) to offer assistance with technical activities such as database or web page management, or to serve on a facilities advisory committee?

If you have an example of such community involvement, please contact Cathy Downer at c.downer@ieee.org or +1 732 562 5506.

SCOOP
October 2001

Today's Engineer "WEBZINE"

Editions of IEEE-USA TODAY'S ENGINEER are available on the Web. TODAY'S ENGINEER is IEEE-USA's monthly, career-oriented webzine, offering feature articles and short blurbs with career guidance, tips, strategies and solutions for all sectors of the profession. This month's fare includes:

- Staying Current: Tips, Strategies and Solutions
- Teamwork on the Job — An Essential Ingredient to Success
- IEEE-USA Science and Engineering Mass Media Fellow: Mariama Orange
- Trends: Wi-Fi: The Wonders and Exasperations of Wireless Networking
- Engineering Hall of Fame: Jack Morton of Bell Labs
- World Bytes: Restart
- OpEd Corner: Reading, Writing and . . . Algebra?
- Mini-Poll Question: Do you consider yourself "current"?

To read TODAY'S ENGINEER, visit: <http://www.todaysengineer.org/careerfocus/>

SCOOP
October 2001

Senior Members

A complete listing of the newest IEEE Senior Members, arranged by Region and Section, may be found under the listing at <http://www.ieee.org/organizations/rab/md/smupdates.html>.

If you have any questions regarding the status of a Senior Member application, please send a message to "MailTo: senior-member@ieee.org".

SOCIETY SENTINEL
Vol. 6, No. 20
24 October 2001

IEEE Power System Fundamentals CD-ROM Set Available

Here's your chance to have Power System Fundamentals at your fingertips. Dr Bruce F. Wollenberg, Director of Graduate Studies at University of Minnesota (UM) & Director of the U M Center for Electric Energy, designed and delivered this three and half hour course at the 2001 IEEE Power Engineering Society Summer Meeting in Vancouver, BC, Canada in July.

The IEEE Educational Activities Board production of Power System Fundamentals is now available. For those working in the electric power industry, this two CD-ROM set provides an opportunity to learn or review some of the basics of power system engineering. For those who possess a general engineering background and supervise engineers, it can provide some familiarity with power system engineering terms. It teaches the basics of AC Power Systems, but avoids the use of deep mathematics. Think of it as "Power Systems 101."

Topics include three phase circuits, symmetrical components and sequence networks, power transformers, the per unit system and power flow, symmetrical and unsymmetrical faults, system protection, automatic generation control, and power

system transient stability.

Dr. Wollenberg is an IEEE Fellow and is a contributor to IEEE Transactions on Power Systems. "The Power System Fundamentals tutorial was conducted to introduce someone who wasn't a power specialist to understand, in a basic way, how power systems work," said Dr. Wollenberg. "Using this, non-power systems people can 'fill in the gaps' in their understanding."

The CD-ROM set has accompanying onscreen transcript, video presentation synchronized with the power point slides, and an outline for ease of jumping to topics. The transcript provides reinforcement for learning and adds extra support for users with non-English as their primary language. In addition the slides are produced in PDF format for easy printouts.

To order use IEEE number EC 142 for the 2 CD-ROM set, \$250.00 member; \$300.00 non-member.

Software Requirements: Windows 95, 98, NT or 2000; Internet Explorer 4.0 (or higher), or Netscape Navigator 4.0 (or higher); Windows Media Player 6.1 (or higher), or RealPlayer G2, version 6.0.5.27 (or higher).

Hardware Requirements: Pentium 200 MHz processor; 32 MB RAM; Windows compatible sound card; 4x CD-ROM drive. PC compatible only.



Photo Quiz

In the picture are shown three very early communication devices seen recently by Region 8 engineers visiting Mexico City. They were made by Aztec Indians more than 1000 years ago. Readers are invited to identify them, and tell communication mode, frequency, material, etc. Prize to be announced. Entries to editor r8news@ieee.org.

The CD-ROM set can be ordered from the IEEE Customer Service Department, 445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331, USA; by e-mail: customer-service@ieee.org; by phone: 1.800.678.4333; and on the Web at <http://shop.ieee.org/store/>.

For further information on Education Activities check out our Website <http://www.ieee.org/organizations/eab/index.htm>

Lynn Murison
Outreach Administrator,
IEEE Educational Activities
ph: 1.732.562.6526

IEEE Code of Ethics

We, the members of the IEEE, in recognition of the importance of our technologies in affecting the quality of life throughout the world, and in accepting a personal obligation to our profession, its members and the communities we serve, do hereby commit ourselves to the highest ethical and professional conduct and agree:

1. to accept responsibility in making engineering decisions consistent with the safety, health and welfare of the public, and to disclose promptly factors that might endanger the public or the environment;
2. to avoid real or perceived conflicts of interest whenever possible, and to disclose them to affected parties when they do exist;
3. to be honest and realistic in stating claims or estimates based on available data;
4. to reject bribery in all its forms;
5. to improve the understanding of technology, its appropriate application, and potential consequences;
6. to maintain and improve our technical competence and to undertake technological tasks for others only if qualified by training or experience, or after full disclosure of pertinent limitations;
7. to seek, accept, and offer honest criticism of technical work, to acknowledge and correct errors, and to credit properly the contributions of others;
8. to treat fairly all persons regardless of such factors as race, religion, gender, disability, age, or national origin;
9. to avoid injuring others, their property, reputation, or employment by false or malicious action;
10. to assist colleagues and co-workers in their professional development and to support them in following this code of ethics.

Approved by the IEEE Board of Directors
August 1990