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## From the Region 8 Secretary



Prof. Charles Turner

### Greetings!

### Elections for Director-Elect

It will soon be time for you, our members, to cast your votes in the annual IEEE elections. This year you will again have the choice of electing a Director Elect for Region 8 for 2002. The successful candidate will be our Region's Director for 2003-2004. As such, he will represent the best interests of our members.

For the 2002 Director-Elect position the Region 8 Nominations and Appointments Committee has nominated three candidates for you to choose from. They are, in no particular order, Tony Davies, Duncan Baker and Baldomir Zajc. All three of these candidates are deeply committed to the future of Region 8 and its members. Tony Davies has performed sterling service over many years as the Chapter Coordinator. Currently he serves as the Vice Chair - Membership Activities. Duncan Baker is best known to you as the Editor of the Region 8 News, where he too has done excellent work. Prior

to that he was Chair of the South Africa Section. Baldomir Zajc has for some time now been our Conference Coordinator. In this capacity he has been responsible for the success of our three primary conferences, Africon, Eurocon, and Melecon.

All three candidates are worthy of your support. However, only one can be elected. I urge you to study the further candidacy statements made by the candidates elsewhere in this Newsletter on matters they could not fully address in the material which you will receive from IEEE later this year.

*continued on page 2*

## IEEE President Visits Russian Popov Society and Russia Section

IEEE President Dr. Joel Snyder visited Moscow, Russia on May 14 - May 20, 2001. He was accompanied by the Vice-President of the IEEE Communications Society Dr. Alexander Gelman.

The IEEE delegation attended and participated in the Russian Popov Society's

Annual Meeting devoted to the Radio Day. The Meeting marked the 56th anniversary of the Society's formation.

As IEEE President, Joel Snyder greeted the plenary session on behalf of the Board of Directors and the 366 000 IEEE members and Student members in over 150 countries.



Signing of the IEEE-Popov Society agreement. From left to right: Prof. Vagan Shakhgildyan, Prof. Yuri Gulyaev, Dr. Henrich Lantsberg, IEEE President Dr. Joel Snyder, and Mr. Pyotr Zoudkov.

*continued on page 2*

### INSIDE

#### From Region 8 Secretary . 1

#### IEEE President Visits Russian Popov Society and Russia Section ..... 1

#### Section & Chapter News . 3

#### Popov Society Confers Honorary Membership on R8News Editor ..... 3

#### Region 8 Director-Elect 2002 Candidate Statements ... 4

#### News from Tunisia ..... 5

#### Conferences/Calls for Papers ..... 6

#### Calendar of Events ..... 8

#### News from IEEE ..... 10

#### Region 8 GOLD ..... 13

#### Student News ..... 14



## From the Region 8 Secretary *continued*

Use all of the available information to make a well-informed decision to reflect your choice, and then vote accordingly!

Remember that your views are normally presented through your Chapter Chairs at the Region 8 Committee Meetings. This is your opportunity to make YOUR presence felt at the highest levels within IEEE itself. **Exercise your vote - apathy is not an option.**

### Membership status

It has come to my attention that some of our members feel that their qualifications

are not properly recognized by the IEEE, and that they are thus designated only as Associate Members. This state of affairs possibly arises either from an incomplete list of Recognized Educational Programmes, which IEEE uses in making certain membership status decisions, or the fact that the relevant person at IEEE is not entirely familiar with the variety and complexity of comparable engineering qualifications throughout our Region.

Should you feel that you are one of those affected, please contact me by e-mail or other means so that I can establish the

details of your situation, and, if necessary, take the appropriate action to have your membership status re-examined. My contact information appears below. ♦

*Prof Charles Turner  
King's College London  
Dept. of Electronic Eng.  
The Strand  
London WC2R 2LS  
England  
c.turner@ieee.org  
Fax: +44 20 7836 4781*

## Russia Section *continued*

He noted that the IEEE and the Russian Popov Society have worked cooperatively for nearly 50 years. The history of this cooperation is quite impressive. The IEEE and the Popov Society have maintained mutually beneficial scientific-technical cooperation since the mid-1950s. Formal agreements have enabled members of both societies to participate regularly in conferences, workshops and other events sponsored by each organization.

The IEEE President said that the IEEE Russia Section had become a notable force in technological areas thanks to the superlative work of the Popov Society members. Over the years and since 1990 membership of the Russian Section of the IEEE had grown to 800 members in no less than 24 IEEE Society chapters and 5 student branches.

Concluding his greeting address Joel Snyder said, "We must rededicate ourselves to working together so that in this 21st Century, we continue to create the wealth of scientific and engineering achievements. In this century we must lead a global effort to share knowledge to stimulate ideas and foster technological innovation. By doing this, we can make life better for all. It is our single most important responsibility."

Prof. Yuri Gulyaev-President of the Russian Popov Society and the IEEE Russia Section announced that Prof. Paul Green – Past President of the IEEE

ComSoc (Tellabs and IBM Research) and Duncan Baker – Region 8 Newsletter Editor (South Africa) had been elected to the highest grade of the Russian Popov Society -Honorary Members.

The Plenary session of the Popov Society included three papers:

- Prof. Zhores Alferov – Vice-president of the Russian Academy of Sciences, Nobel Prize Winner in physics (2000) and a member of the IEEE LEO Russia Chapter – "Semiconductor heterostructures: new physics & technology."
- Dr. Alexander Krupnov – "3rd generation of cellular communication systems in the 3rd millennium."
- Dr. Alexander Zaitsev – "Signals to extra terrestrial intelligences."

Prof. Vladimir Kotelnikov – IEEE Life Fellow and Alexander Bell IEEE Award Winner, the Doyen of the Russian scientists and engineers in communications, took part in the plenary meeting.

The meeting included the work of 14 problem-oriented sections. Among them: general communications; microwave electronics; information theory; radioelectronics in medicine and biology; propagation and diffraction of radiowaves, etc. A total of 220 papers were presented at these section meetings.

It should be noted that the Russian Popov Society is a sister society of the IEEE Communications Society and has a cooperation agreement with it. There are

four ComSoc chapters within the IEEE Russia Section (Moscow, Saint Petersburg, Tomsk and Novosibirsk). Therefore Dr. Alexander Gelman, Vice-president of ComSoc had a meeting with the chairs of the ComSoc Russia chapters from Moscow and Saint Petersburg. They discussed their cooperative activity.

The agreement on cooperation between the Russian Popov Society and the IEEE has been renewed and signed by the presidents of both organizations. Both societies expressed their wish to continue the strong scientific and technical relations between the two organizations, which have existed for many years.

The IEEE delegation visited the ExpoComm 2001-International Exhibition of communication systems, telecommunications and computers held in Moscow where it had a meeting with the Head of the Technical Department of the Ministry for Communications and Informatization of Russia Dr. Sergei L. Misenkov and the First Deputy General Director of the Joint Stock Company (Long Distance and International Telecommunications) of RosTelecom, Dr. Roman B. Kreinin. The RosTelecom Company is one of the main communications utility companies of Russia, possessing a wide network of high quality digital channels for transmission of all kinds of information. The IEEE delegation also visited the Radio Research and Development Institute, the leader in the field of radio, satellite and terrestrial TV



## Russia Section *continued*

and audio broadcasting, as well as the Central Research Institute for Communications and the booths of some foreign companies and firms such as NEC, Siemens, Panasonic, Nokia, etc.

In addition the IEEE delegation also visited the Moscow Technical University of Communications and Informatics. This is one of the largest academic-research centers of Russia aimed at educating students and retraining professionals in the field of telecommunications, radioengineering and

economics, and has 15 000 students. The Institute was founded 80 years ago.

The schedule also included a visit to the Institute of Information Transmission Problems of the Russian Academy of Sciences - the leading institute of the Russian Academy of Sciences in the field of information theory and informatics.

The social program of the delegation included a sightseeing tour of Moscow - including the Kremlin cathedrals and Armory, and visits to the Art Gallery, the

Memorial of the 2nd World War and the ballet "Giselle" by Aden

The IEEE and the Popov Society agreed and are convinced that the visit of the IEEE delegation to Russia will provide further beneficial and constructive cooperation and friendship between the two societies. ♦

*Dr. Henrich Lantsberg,  
Vice-chair, IEEE Russia Section Member,  
Russian Popov Society Executive Board*

## Section and Chapter News

### UKRI

#### IEEE Credit Card Program for UKRI Members

The IEEE Financial Advantage Program is pleased to announce the availability of a credit card exclusively to serve IEEE members in England, Scotland, Wales and Northern Ireland. This card issued by MBNA Europe, is the only card endorsed by the IEEE and the only one that carries the IEEE logo. Use your IEEE card with pride and demonstrate your commitment to the IEEE. With a 1.9 % introductory balance transfer rate, no annual fee and grace peri-

ods for payments up to 59 days, you will receive first class customer service. In addition, the credit card is welcomed at 12 million establishments worldwide where VISA is accepted.

This new credit card program is an example of how the IEEE Financial Advantage Program is working to provide valuable member benefits to IEEE members in all regions. This exclusive membership program designed to help you and your family take control of your financial future, makes available a number of quality products with special cost-savings and other

value-added benefits that non-IEEE members simply cannot get.

To apply for the credit card, please call 0800 0282440. Or for more information on the IEEE Financial Advantage Program visit: [www.ieee.org/fap](http://www.ieee.org/fap) and click on Financial Services.

*Mirelle White  
Member Benefits Administrator  
IEEE Financial Advantage Program  
[m.s.white@ieee.org](mailto:m.s.white@ieee.org)*

#### Outstanding Leadership Award for Prof. Marwan Al-Akaidi

Professor Marwan Al-Akaidi, De Montfort University, Leicester, has been given an Award in Recognition of Outstanding Leadership as Chapter Chair during the Year 2000. This Award was presented at the AGM of the UKRI Section on March 14 2001 in the Faraday Room, IEE, Savoy Place, London.

*Tom Hammons, Chair, UKRI Section*

### YUGOSLAVIA

The Industrial Electronics/Industry Applications/Power Electronics Society joint Chapter of the Yugoslavia Section has been formed. The effective date of this Chapter formation is 30 March 2001. The interim Chair is Dr. Vladimir A. Katic ([katav@uns.ns.ac.yu](mailto:katav@uns.ns.ac.yu)). ♦

## Popov Society Confers Honorary Membership on R8News Editor

The Executive Board-at-Large of the Russian Popov Society, at its meeting on April 4 2001 approved the election of Professor Duncan Baker, Region 8 News Editor, to the grade of Honorary Member of the Russian Popov Society with the following citation:

*"For great contribution to the science and technology as well as to promoting the goals and activity of the Russian Popov Society for Radioengineering, Electronics & Communications."*

It is a visible recognition of Professor Baker's election to the highest grade of membership in the Society. The diploma will be presented at the forthcoming Region 8 Committee Meeting in Edinburgh this September.

*Dr. Henrich S. Lantsberg,  
Vice-Chair, IEEE Russia Section;  
[h.lantsberg@ieee.org](mailto:h.lantsberg@ieee.org)*



# Region 8 Director-Elect 2002 Candidate Statements



**BALDOMIR ZAJC**  
Slovenia Section

Extensive experience in the IEEE as a Section Chair and Region 8 Conference Coordinator, encouraged me to run as a candidate for Region 8 Director-Elect for 2002.

If elected, I will endeavour that the excellent IEEE Services be more accessible to members to advance their productive, rewarding careers. Besides the excellent Technical Programs, Regional conferences such as EUROCON, MELECON, AFRICON, should also include Integrated IEEE Services, such as Continuing Education, Society Programs stimulated by Chapter needs, Student Activity and Membership Development for better information of conference participants – IEEE members and potential members. The Regional Committee should invest in one regional conference each year. I believe there would be space for a Regional Congress. Participants would, in addition to giving and listening to professional papers, participate in several workshops, tutorials and invited lectures. This would be useful for their continued professional activity and the Regional Committee would be developing its programmes in the presence of more and more conference participants. These programmes would be more transparent and attainable. I should stress that the available benefits from Societies via Chapters would also be more visible. The Student Congresses have over the last few years brought about a big progress in the development of their activities and membership.

I will encourage various projects among neighbouring Sections to cluster experienced and less experienced ones, using distance videoconferencing. Younger Sections will thus feel more comfortable and will quickly adopt the IEEE standards; experienced Sections will be offered new ideas. Such cooperation mechanisms will automatically include the Middle East and



**TONY DAVIES**  
UKRI Section

I believe the linkages between the Regional (Section) and Technical (Society) structures of IEEE are often inadequate, with Society managements not understanding the Regional and Section aspects and the Sections sometimes taking insufficient notice of the Society affiliations and interests of their members. Increased support by Societies for Chapters and Technical events in R8 and an increased understanding by IEEE staff at Piscataway and IEEE volunteers in USA of the differing cultural, linguistic, legal and financial frameworks of the various Sections in R8 are needed. If elected, I shall aim to assist in such enhancements. For a decade I have promoted improvement of Chapter-Society links by means of Chapter Chairs meetings, and support for IEEE Technical activities in R8, especially in Eastern and Central Europe. Being Vice President for R8 of the CAS Society has enabled me to maintain good contacts with Society managements and with members of the IEEE Technical Activities Board.

IEEE membership in R8 is growing rapidly, and the R8 Committee has led the way in Chapter formation, in Student activities and in many other respects. There are still many areas in Region 8 where the historical background and the economic situation make IEEE insufficiently known and membership too expensive, providing good opportunities for IEEE to develop further within R8.

IEEE provides you with the means to influence the way that it is managed, and the Region 8 committee has chosen for you three alternative candidates, all of whom have long experience of IEEE volunteer work. Please use your vote to express your wishes! The more votes cast, the stronger the mandate of the elected person to promote R8 interests within IEEE.



**DUNCAN BAKER**  
South Africa Section

As Editor of the Region 8 News, I have become aware of the value members place on the technical benefits from IEEE. However, over the last few years these benefits have come increasingly under pressure. In Region 8 national currencies have devalued against the US dollar, thus increasing the cost of membership not only of the IEEE, but also its Societies. In some developing countries, membership has become almost unaffordable because of poor exchange rates.

Furthermore IEEE is obliged to pursue options of electronic publishing because of the obvious financial benefits for it. However, there can be little doubt that this could serve to grow the digital divide yet further in developing countries where members are hard pressed to afford the computing facilities required to exploit the opportunities offered by electronic publishing.

With regards to both of the above issues, the interests of all members of Region 8 must be protected and enhanced as we move into a new era of communications and opportunities.

Societies are represented in Sections by active Chapters. These are often the only points of delivery that a member sees. Ways and means must be found to increase technical support from Societies to Chapters. One way would be to drastically revise the Distinguished Lecturer Programmes, which many of our members perceive as mainly of benefit to colleagues in North America. New and innovative means of improving the delivery of technical services to members through Societies and associated Chapters must be found.

If elected I will strive to protect and enhance the interests of all members in Region 8, while at the same time improving the delivery of the services in which our members are interested. ♦

*continued on page 11*



# News from Tunisia

## ACIDCA'2000 Conference Report

The International Conference on Artificial & Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications – ACIDCA'2000 <<http://www.ieee.si/r8-conf.html>> was held from March 22 through 24, 2000, at Kuriat Palace, Monastir, Tunisia. It was organized by the University of Sfax (Tunisia) under the auspices of IEEE Region 8, several Tunisian Government Ministries and scientific institutions.

The motivation for the conference was to bring together workers in the field of artificial and computational intelligence in industry and academia.

ACIDCA'2000 received over three hundred submissions, from 36 different countries representing the four continents: Algeria, Belgium, Brazil, Bulgaria, Canada, China, Egypt, Finland, France, Germany, Greece, Hong Kong, India, Italy, Japan, Jordan, Korea, Kuwait, Macedonia, Malaysia, Morocco, Poland, Romania, Russia, Singapore, Syria, Sweden, The Netherlands, Portugal, Saudi Arabia, Spain, Tunisia, UK, USA, Uruguay, Yugoslavia. All these contributions were characterized by a high scientific quality. Each paper was reviewed by at least three members of the program committee that consisted of more than 150 scientists from more than 20 countries. Only 215 papers were accepted. ACIDCA'2000 was well attended, with a total of 302 registered attendees, of which 30% were students, and 65% were from outside Tunisia. The five largest groups of foreign attendees were from France, USA, Japan, Germany and Spain.

The Technical Program consisted of a workshop, two tutorials, two plenary lectures, 20 keynote lectures, 2 special sessions and 57 contributory sessions. ACIDCA'2000 was organized on 7 thematic sessions covering different aspects of theory, implementation and applications of artificial and computational techniques: intelligent methods, methods & heuristics for decision making, software engineering, corpora & natural language processing,

systems analysis & automatic control, engineering and industrial applications, vision & pattern recognition.

A total of 20 exhibitors participated in the conference exhibition, 80 % of them were Tunisians. The exhibition area was managed in a high-traffic area of the hotel and was certainly well attended by all the participants. Special thanks to McGraw-Hill and Morgan Kaufmann for their latest textbooks that were of high relevance to the conference attendees.

The ACIDCA'2000 organizers arranged several events to make the visitors feel at ease. Monastir's Governor offered the Welcome Reception on Wednesday evening. The Banquet was held on Thursday evening and the Closing Reception on Friday. In addition, a visit to Kairouan (a beautiful historical city) was held on Thursday morning for spouses, children and friends of conference attendees.

The ACIDCA'2000 awards recipients were:

- The Intelligent Methods Award: Professor Lotfi A. Zadeh (USA) for his paper *"From Computing with Numbers to Computing with Words From Manipulation of Measurements to Manipulation of Perceptions"*
- The Methods & Heuristics for Decision Making Award: Professor P.A.M. Seuren (The Netherlands) for his paper *"An Extended Boolean Algebra for PPC3"*
- The Software Engineering Award: Professor R. Singh (USA) for his paper *"A Systematic Approach to Software Safety"*
- The Engineering & Industrial Applications Award: Professor J. A. Tegopoulos (Greece) for his paper *"Some Applications of Artificial Intelligence Approaches in Wind Power Generation. (Permanent Magnet Generator Design for Gear-less Wind Turbines and Security Assessment of Networks including Wind Farms)"*
- The Systems Analysis & Automatic Control Award: Professor J. Aguilar-Martin (France) for his paper *"Intelligent Supervision and Diagnosis for Complex Processes"*

- The Vision & Pattern Recognition Award: Professor Mohamed Ben Rejeb (Tunisia) for his paper *"Studying and Modeling Handwriting Process"*

Printed copies of the conference proceedings are available from ACIDCA'2000 Secretariat, Professor Adel M. Alimi, Centre Postal Maghreb Arabe, BP 120, 3049 Sfax, Tunisia. They may be ordered by fax +216-4-275-595 or by E-mail to [acidca2000-oc@majordomo.ieee.org](mailto:acidca2000-oc@majordomo.ieee.org)

I would like to express my thanks and gratitude to my colleague and general co-chair Professor Lamia H. Belguith who dedicated much of his time and efforts to ACIDCA'2000, and to the honorary chair Professor Lotfi A. Zadeh who supported the conference project from the beginning. My thanks and gratitude are also due to all the invited persons, the program chairs and members of the program committee for their dedication and the additional reviewers for their substantial reviews. Special thanks must also be offered to all those in the organizing committee for their precious input and constant determination to make this event a great success.

Last but not least, I would like to extend my sincere thanks to all those who have contributed financially and morally to organize, implement, and take part in ACIDCA'2000. Without their whole-hearted commitment and encouragement this event would not have been possible.

The Organizing Committee has received congratulations from the participants for successfully organizing such a conference and exhibition. The various delegates left with a good impression of the high scientific and professional level of the conference, as well as the traditional hospitality of the Tunisian people. ♦

Adel M. Alimi  
ACIDCA'2000 General co-chair

(Editor's Note: Due to unforeseen circumstances this report from our esteemed colleagues in Tunisia was not published when it should have been. I extend to Dr. Abdel Alimi my heartfelt apologies for this oversight and any embarrassment this may have caused him. The report has of necessity been shortened.)



# CONFERENCES

## Calls For Papers

### ECBS 2002

**Conference: 8-10 April 2002**  
**Workshop: 10-11 April 2002**  
**Lund University, Sweden**  
**(30 minutes by train from Copenhagen Airport)**  
**9th Annual IEEE International Conference and Workshop on the Engineering of Computer-Based Systems**

ECBS 2002 will be the 9th IEEE sponsored meeting dedicated to formulating and advancing processes, models and tools for the engineering of computer-based systems. This increasingly important discipline is devoted systems-engineering issues related to fielding systems whose behavior is largely determined or controlled by computers. Computer-based systems are characterized by functional, performance and reliability requirements that mandate the tight integration of information processing and physical processes. ECBS is the integration of several engineering disciplines including software, hardware, and communications into a complete engineering discipline. The conference focuses on systems-level integration of information from these varying disciplines. The program will provide a balanced view of academic research and industrial developments emphasizing application and evaluation of research results. Contributions are sought in two major categories: (i) fundamental ECBS technologies; and (ii) reports of ECBS application case studies.

**SCOPE:** System Architectures, Lifecycle Process, Hardware/Software Codesign, Project and Product Management, Component-based Design and Reuse, Modeling and Analysis, Model-Based System Development, Evolution, Re-engineering and Legacy Systems, Applied Formal Methods, Reliability, Dependability, Safety and Security, Tools and Environments Requirements Engineering, Education and Training, Verification and Validation, Embedded Systems, Standards

**CONFERENCE:** The Conference provides a forum for presentation of mature research and case-study results including keynote talks and panel discussions.

Conference papers are fully refereed and will appear in the conference proceedings.

**WORKSHOPS:** The Workshops provide a forum for focused meetings dealing with various areas of ECBS research.

**SUBMISSION DATES:** Full papers for the main conference (4000-6000 words) and workshop proposals (1 page) must be received by October 15, 2001. Papers will be reviewed and authors notified by December 17, 2001. Submit the contribution in pdf format to [ecbs02@telecom.lth.se](mailto:ecbs02@telecom.lth.se).

#### GENERAL CHAIR:

Anders Torne, Carlstedt Research and Technology, Sweden. [andto@crt.se](mailto:andto@crt.se)

#### PROGRAM CHAIR:

Per Runeson, Lund University, Box 118, SE-221 00 Lund, Sweden.

[per.runeson@telecom.lth.se](mailto:per.runeson@telecom.lth.se)

For more information, visit the following websites:

ECBS: <http://www.cigital.com/conferences/ecbs02/>

Lund University: <http://www.lu.se>

Lund: <http://www.lund.se/english/>

Copenhagen Airport: <http://www.cph.dk/>

*Per Runeson*

[per.runeson@telecom.lth.se](mailto:per.runeson@telecom.lth.se)

### ECUMN'02

**8 - 10 April 2002**

**Colmar, France**

**Second European Conference on Universal Multiservice Networks**

The goal of the ECUMN conference is to bring together researchers from the academia and practitioners from the industry in order to address network and service convergence issues. The conference will provide a forum where the academia shall be able to present up-to-date research results and the industry describe emerging technologies and new research problems related to them.

ECUMN'02 is the second edition of the ECUMN conference and follows the first successful ECUMN conference held in Colmar, France in 2000. The conference scope has been extended to put specific emphasis on Service Provisioning, and Service differentiation issues.

Graceful evolution of Networks, new access schemes, flexible protocols, increased variety of services, hybrid networks reliability, are some of the present and future challenges that have to be met by the various technologies that will be discussed during the conference.

#### Important Deadlines:

Extended abstract due: **September 8, 2001**

Notification of acceptance: November 10, 2001

A competition for the best student paper will be organized to recognize and encourage excellence in graduate studies.

<http://iutsun1.colmar.uha.fr/ECUMN02.html>

E-mail: [p.lorenz@uha.fr](mailto:p.lorenz@uha.fr)

Renato Israël (Vice-chair of Comsoc French chapter)

Tel/fax: +33 1 39499570

E-mail: [renato.israel@utopia.eunet.fr](mailto:renato.israel@utopia.eunet.fr)

### POWER SYSTEM MANAGEMENT AND CONTROL

**17 - 19 April 2002**

**IEE, Savoy Place, UK**

**Fifth International Conference**

Papers are now invited for the fifth International Conference on Power System Management and Control which will be held at the IEE, London, UK from 17 - 19 April 2002.

Organised by the IEE (Institution of Electrical Engineers), the conference provides an international forum for engineers from the power industry, consultants, manufacturers and academics to exchange knowledge, experience and new ideas in the management and control of power systems. The three-day conference will also look at possible future developments within the power market and the continuing changes in the supply industry.

Papers describing practical experiences and/or original research are now being sought on a range of subjects including the planning, management and control of power systems; power system economics; intelligent system applications and power market liberalisation issues.

Those wishing to offer a contribution to the conference should submit a 500-word abstract to the Conference Secretariat by 3



# Calls For Papers *continued*

September 2001. For further details contact the Conference Secretariat, PSMC, IEE, Savoy Place, London WC2R 0BL, UK Tel: +44 (0) 20 7344 5471 Fax: +44 (0)20 7240 8830 EE-mail : [psmc2002@iee.org.uk](mailto:psmc2002@iee.org.uk) or visit <http://www.iee.org.uk/Conf/PSMC>

## MELECON 2002

6 - 8 May 2002

Cairo, EGYPT

### 11th Mediterranean Electrotechnical Conference

Communications and Information Technology for Development

IEEE Region 8 and IEEE Egypt invites you to participate in MELECON where hundreds of scientists and professionals meet regularly to discuss the latest technology and its impact on the industry.

MELECON-2002 will be held in Cairo, the charming city that will fascinate you with the mystery of its history and will capture your heart with the beauty of the Nile.

Throughout the world, electrotechnology and information technology form the basis of an entirely new era in professional practice and delivery of services. It is characterized as a revolution based on information, hoping to improve the quality of life and to bring people closer together. This is especially important in the Mediterranean region, which bridges countries from three continents; Europe, Asia and Africa.

The main topics of interest of Melecon 2001 include:

- Communication and Information Technology for Development of Internet Services and Applications
- Wireless Cellular and Mobile Communications
- High Performance Networking
- Intelligent Networks
- Network Design
- Control and Optimization of Communication systems
- Network Reliability and Quality of Service
- Optical Systems and Networks
- Network Security
- Policies and Issues
- Third Generation Mobile wireless Systems
- Internet Applications for Distance Education.
- Circuits and Systems for Signal and Image Processing Multimedia Signal Processing

- Signal Processing for Wireless Communications
- RF and Analog Integrated circuits
- Microelectromechanical Systems
- Speech, Image and Video Processing
- Digital Signal Processing.
- Power Systems
- Control Systems and Renewable Resources Power Generation, Transmission, Distribution and Utilization
- Modern Intelligent Techniques in Control
- Protection Monitoring of Electrical Power Systems and Machines
- Power Electronics
- Alternative Energy Sources (Solar and Wind)
- Fuzzy Systems
- Neural Networks

Interested participants are invited to submit their papers on any of the above topics.

Deadline for receiving tutorial proposals: October 1, 2001

Deadline for paper submission: November 15, 2001

Notification of acceptance: February 1, 2002

Camera ready for paper to appear in proceedings: March 1, 2002

Deadline for exposition space reservation: Until last cubical lasts (first come first served)

For more information, please send an E-mail to

[melecon2002@frcu.eun.eg](mailto:melecon2002@frcu.eun.eg)

or visit

<http://www.cairo.eun.eg/melecon2002>

Mohamed Younis

[myounis@idsc.net.eg](mailto:myounis@idsc.net.eg)

## AFRICON'02

2 - 4 October 2002

Tutorials on 1 October 2002

The Fancourt Hotel and Country Club, George, SOUTH AFRICA

### Networking Africa

AFRICON is one of the major international conferences sponsored by Region 8 of the Institute of Electrical and Electronics Engineers (IEEE). Previous AFRICONS were held in Nairobi (1983), Abidjan (1987), Mbabane (1992), Stellenbosch (1996) and Cape Town (1999). AFRICON '02 is organized by the IEEE South Africa

Section in association with IEEE Region 8, SAIEE, SAICSIT and the NRF.

### Themes and Topics:

AFRICON '02 presents a forum for Electrical, Electronic and IT research activities in Africa. The annual local IEEE and SAICSIT conferences will be included. 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

### Venue:

The Fancourt Hotel and Country Club Estate and Conference Centre is situated in George, on the Garden Route, which is renowned for its natural beauty. The route links the Eastern Cape and Cape Town. The Eastern Cape's heartland, 300-400 km to the East, is rapidly developing as a popular eco-tourism destination. Cape Town, 450 km to the West, is possibly the most popular tourist destination in the country. For more information visit the website [www.fancourt.co.za](http://www.fancourt.co.za).

### Fees:

The fee covers the cost of the Conference, documentation, proceedings, refreshments and attendance at social functions.

Advance registration by 3 July 2002

- US\$260 for members of IEEE/SAIEE/SAICSIT
- US\$310 for non-members
- US\$75 for student members

Fees after 3 July 2002

- US\$310 for members of IEEE/SAIEE/SAICSIT
- US\$380 for non-members
- US\$85 for student members

Additional fees will be payable for accommodation, travel and the tutorial(s) planned

*continued on next page*

## Conferences *continued*

for the first day. Single day registration will be US\$160 excluding the social functions.

### Format:

The conference will be conducted in English. The conference will be structured to have oral (15 minutes per paper) and poster sessions. Thorough exposure for all accepted poster papers is planned.

### Important Dates:

Proposals for oral and poster papers, in English, are hereby called for on the above or related topics. Prospective authors should complete and return the attached form on the conference web site, or by fax, and a short 50-word abstract of their paper, in plain text, **by not later than Wednesday 6 February 2002 to the Secretariat.**

This is to be followed by an **electronic copy** of the final paper, **not later than Wednesday, 27 March 2002.** The final papers will be subjected to peer review. More information on the format of the final papers will be supplied and be available on the web site on receipt of your abstract by the Secretariat.

### Call For Tutorials:

Full day and half-day tutorials are planned for Tuesday, 1 October 2002, the day preceding the Conference. Authors wishing to present a tutorial should submit a proposal with detail about the content of the

tutorial, preferred duration as well as a CV of the presenter(s) **not later than Wednesday, 27 March 2002** to the Secretariat. Authors selected to present a tutorial will be paid a nominal fee.

### Exhibits:

*Space will be available for exhibits related to the Conference topics. For further details, please contact the Secretariat.*

### Accommodation, Transport and Local Arrangements:

A host of affordable and luxury accommodation is available. Rates vary from about \$25 per day for bed and breakfast. Contact the Secretariat for more information or to book your accommodation. Details about tours for delegates and companions and airport transfers will be on the web site and sent to all who return the attached reply form. George is readily accessible by air from Johannesburg and Cape Town international airports.

### Dates To Remember:

Submission of abstracts and return of reply form Wednesday, 6 February 2002  
Submission of papers Wednesday, 27 March 2002  
Acceptance of papers Wednesday, 29 May 2002  
Advance registration for reduced fees Wednesday, 3 July 2002

Conference and Tutorials 1–4 October 2002

**Chair:** Prof. Gerhard Hancke

**Secretariat:** Gretchen Stols

PO Box 34138

Erasmia

0023 SOUTH AFRICA

E-mail: [africon@cs.wits.ac.za](mailto:africon@cs.wits.ac.za)

Web site:

<http://www.cs.wits.ac.za/info/ieee/africon02/>

Tel: (+27 12) 652 0775

Fax: (+27 12) 652 0775

Cell: 083 725 6575

### Technical Programme Chair:

Prof. Nico Beute

Cape Technikon

PO Box 652

Cape Town

8000 SOUTH AFRICA

E-mail: [nbeute@ctech.co.za](mailto:nbeute@ctech.co.za)

Tel: (+27 21) 460 3657

Fax: (+27 21) 460 3701

### Computer Topics Programme Chair:

Philip Machanick

School of Computer Science

University of the Witwatersrand

Private Bag 3

Wits

2050 SOUTH AFRICA

E-mail: [philip@cs.wits.ac.za](mailto:philip@cs.wits.ac.za)

Tel: (+27 11) 717 6183

Fax: (+27 11) 717 6199 ♦

## Calendar of Events

### VIIP 2001

**Visualization, Imaging and Image Processing**

**3 - 5 SEPTEMBER 2001**

**MARBELLA, SPAIN**

<http://www.iasted.com/conferences/2001/spain/viip.htm>

Scope: rendering; modelling; animation; image processing; visualization and HMI

### AIA 2001

**Artificial Intelligence and Applications**

**4 - 7 SEPTEMBER 2001**

**MARBELLA, SPAIN**

<http://www.iasted.com/conferences/2001/spain/aia.htm>

Scope: Neural Networks; Optimization; Genetic Algorithms; Wavelets; Fuzzy

Logic and Systems; Intelligent Databases; Data Mining; Intelligent Agents

### ASM 2001

**Applied Simulation and Modelling**

**4 - 7 SEPTEMBER 2001**

**MARBELLA, SPAIN**

<http://www.iasted.com/conferences/2001/spain/asm.htm>

Scope: Modelling; Simulation; Identification; Estimation; Animation; Petri Nets; Artificial Intelligence

### ICL2001

**Interactive Computer Aided Learning**

**26 - 28 SEPTEMBER 2001**

**CARINTHIA TECH INSTITUTE IN**

### VILLACH, AUSTRIA

This interdisciplinary workshop aims to focus on the exchange of relevant trends and research results as well as the presentation of practical experiences gained while developing and testing elements of interactive computer aided learning. Therefore pilot projects, applications and products will also be welcome.

This workshop will be organized by the Carinthia Tech Institute (School of Electronics), Villach/Austria and is supported by numerous organizations and institutions

For more details visit our website, <http://www.icl-workshop.org/> or contact Michael E. Auer  
[M.Auer@cti.ac.at](mailto:M.Auer@cti.ac.at)



# Calendar of Events *continued*

## ICECOM 2001

### International Conference on Applied Electromagnetics and Communications

**1 - 3 OCTOBER 2001  
DUBROVNIK, CROATIA**

The 16th International Conference on Applied Electromagnetics and Communications (ICECOM'01) will be organized by KoREMA (Croatian Society for Communications, Computing, Electronics, Measurement and Control) and IEEE AP/MTT Croatia Joint Chapter, and will be held in Dubrovnik, Croatia, October 1-3, 2001.

The Conference is co-sponsored by IEEE Region 8 and the Ministry of Science and Technology of Republic of Croatia in co-operation with University of Zagreb, Faculty of Electrical Engineering and Computing.

The scope of this biannual conference focuses on advancements and innovations in electromagnetics, microwave and communication technology. Invited are papers on the conference topics that will foster interactions among researchers and practitioners from academia and industry in antennas and propagation, microwaves, wireless and optical communications, and other related fields.

*Prof. Juraj Bartolic  
University of Zagreb  
Faculty of Electrical Engineering  
Unska 3, HR-10000 Zagreb, Croatia  
E-mail: juraj.bartolic@fer.hr  
<http://www.rasip.fer.hr/korema/icecom2001/>*

## 4TH CIGRE SOUTHERN AFRICA REGIONAL CONFERENCE AND EXHIBITION

**1 - 5 OCTOBER 2001  
LORD CHARLES HOTEL,  
SOMERSET WEST, WESTERN  
CAPE, SOUTH AFRICA**

### Innovative Engineering for Today's Environment

The full speakers' programme, details and registration forms can be downloaded from the web site at [www.eskom.co.za/cigre/sarc](http://www.eskom.co.za/cigre/sarc)

The following sessions are planned for the five days:

- Tutorials
- Substations
- Cables
- Electrification
- HVDC/FACTS
- Distribution
- Energy trading and regulation / deregulation
- Generation
- Quality of supply
- Telecommunications
- Control, protection and operations
- Line design and increasing capacity
- Insulators – performance and failure mechanisms
- Insulators – design and testing
- Environmental effects and shared services
- Post conference technical tours

There are three full-day technical tours offered. They will all depart from the Lord Charles Hotel on the Friday morning. All transport, lunch and teas are included. The technical tours are as follows:

1. Khayalitsha & Delft Electrification and the Palmiet Pumped Storage Power Station (40 people)
2. Saldanha Steel Plant and Koeberg Nuclear Power Station (15 people)
3. Bellville Control Centre and Platteklouf Environmental Site (25 people)

### Conference Exhibition

Three adjacent conference rooms will be used to accommodate the exhibition. Most of the stands are 3 x 3 m, arranged around the outer perimeter of the room, with space in the middle where coffee/tea and lunch would be served. A further seven stands will be located in the front entrance hall.

*Gert Coetzee  
Tel: +27 11 800-5335  
Fax: +27 11 800-5140  
Cell: +27 082 44 77 425  
E-mail: gert.coetzee@eskom.co.za  
<http://www.eskom.co.za/cigre/sarc>*

## YUFORIC 2001 29 - 30 NOVEMBER 2001 VALENCIA, SPAIN

YUFORIC is the IEEE Computer Society's dynamic new program to bring students and new professionals together in a forum for exchanging ideas and sharing experiences. YUFORIC features a series of

workshops, held worldwide, emphasising presentations of studies-in-progress by university students and new professionals in industry and academia. Discussion and interaction are highlighted. Young and/or new professionals will be encouraged to take the lead in guiding students' research interests. In turn, university students will gain better insight into the ongoing, real-world activities of the professional community.

The Information Society has become the driving force of the technological research in Europe. The explosion of the networking and computing technologies has paved the way for new ways of doing business, working and learning. As a key application on Internet, e-commerce has gathered tremendous attention and is of interest to managers, users and researchers. E-Commerce has become an inter-discipline research topic. However, applications such as e-work and e-learning are beginning to flourish. This workshop is on issues that are network and computer scientific in nature, mainly on network infrastructure, middleware support, security, cryptography, but also non-technical papers may be accepted.

For more information about the workshop please visit our web site at [yuforic.upv.es](http://yuforic.upv.es)

*Vicent Pla  
YUFORIC'01 Publicity Chair  
[yuforic@upvnet.upv.es](mailto:yuforic@upvnet.upv.es)*

## MEPCON'2001 International Middle-East Power Systems Conference 29 - 31 DECEMBER 2001 CAIRO, EGYPT

Co-sponsored by the IEEE Power Engineering Society

The objective of the Eighth MEPCON conference is to provide a forum for presentation and discussion of current progress and future developments in key areas of electrical power systems. Topics include:

- Planning, design and operation of generation systems.
- Planning, design and operation of transmission and distribution systems.

*continued on next page*



## Calendar of Events *continued*

- Deregulation and management.
- Electrical machines and drives.
- Switchgear, protection systems and measurements.
- High voltage engineering.
- Power system control and stability.
- Power electronics.
- Renewable energies.

- Computer & artificial intelligence applications in power systems.

The conference will be held at the university campus, Ain-Helwan, Cairo, Egypt. Special prices for accommodation and transportation facilities in Cairo will be made for participants.

For more information contact:

Prof. Dr. Omar H. Abdalla,  
General Secretary of MEPCON'2001,  
Faculty of Engineering - Helwan,  
P.O. Technology, Postal No. 11792,  
1 Sherif Street, Helwan, Cairo, EGYPT.  
Tel. 202 - 5558413, Fax. 202 - 5558294  
E-mail: ohabdalla@ieee.org  
<http://www.mepcon.org> ♦

## News from IEEE

### WILEY AND IEEE PRESS IMPLEMENT CO-BRANDING AGREEMENT

IEEE Press and John Wiley & Sons, Inc., implemented their co-publishing agreement on 2 April. Wiley assumed responsibility for the sale and distribution of more than 180 IEEE Press titles, as well as the production of new titles under the name, Wiley-IEEE Press.

Members and customers who call the IEEE Customer Service number are being connected to Wiley for IEEE Press book orders. E-mail and fax orders also are being forwarded to Wiley. IEEE members will receive a promotion code entitling them to a 15 percent discount on Wiley-IEEE Press titles. In addition, links on the IEEE Online Store and Catalog now direct customers to Wiley's online catalog.

For more information, contact Ken Moore, IEEE Book and Information Services, at E-mailto: "[k.moore@ieee.org](mailto:k.moore@ieee.org)".

*The IEEE LEADERSHIP WIRE*

13 April 2001

Vol. VI, No. 7

### IEEE GOLD GROUP COMPETES IN AUSTRALIAN BOAT RACE

On 28 April, an IEEE GOLD group will participate in the SolACT Smart Race, which is part of the Australian Science Festival in Canberra. The race is Australia's only solar and advanced-technology boat race. It provides a venue for the exchange of ideas between researchers, engineers, students and boating enthusiasts, and inspires innovation in the field of clean-energy water transport.

For more information on the event, visit:

"<http://www.sciencefestival.com.au/boat/index.htm>".

*The IEEE LEADERSHIP WIRE*

13 April 2001

Vol. VI, No. 7

### IEEE E-BUSINESS MILESTONE: WEB RENEWAL EXCEEDS 100 000

More than 103,000 members have renewed online so far in the 2001 cycle. This is the most ever since the online process began in 1999 when the number was 32,000. There were 75,000 online renewals in 2000.

Online renewals have accounted for more than US\$14 million in total revenue for this cycle. With paper and phone renewals, the total count is 272,048 and approximately US\$26 million in revenue.

Two new features were added to the Web Renewal application this year. Members can directly update their record in the database, saving up to 30 percent in handling costs, and those renewing online have instant access to electronic products.

*The IEEE LEADERSHIP WIRE*

13 April 2001

Vol. VI, No. 7

### MARCH ISSUE OF "TODAY'S ENGINEER" AVAILABLE ONLINE

The March edition of IEEE-USA's "Today's Engineer" is now available on the Web. "Today's Engineer" offers articles on career guidance, tips, strategies and solutions for all sectors of the profession.

For more information, visit  
"<http://www.todaysengineer.org/>".

*The IEEE LEADERSHIP WIRE*

13 April 2001

Vol. VI, No. 7

### IEEE GLOBAL TRAVEL OFFERS DISCOUNTS, NEW REWARDS PROGRAM

Members can obtain American Airlines discounts off select published fares this year as a result of contract negotiations with the carrier. Preferred pricing has also been negotiated for select markets. Some restrictions apply.

For more information, call Travel Services at +1 732 562 5387.

**NEW REWARDS PROGRAM:**  
Continental Airlines is now a participant in Amtrak Guest Rewards, the new frequent rider program from Amtrak, the U.S. passenger train service. Members of Amtrak Guest Rewards may earn points by traveling on Amtrak or using the services of the program's partners.

The points can be used for free travel on Amtrak, hotel and car rental discounts, airline miles, and retail gift certificates.

For more information or to enroll in the program, visit "<http://www.amtrak.com>", call +1 800 307 5000 or pick up a form at select Amtrak stations.

*The IEEE LEADERSHIP WIRE*

13 April 2001

Vol. VI, No. 7

### PUBLICATION SITES REDIRECT TO IEEE XPLORE

On 31 May, the following sites will permanently redirect to IEEE Xplore at <http://www.ieee.org/ieeexplore>:  
Transaction/Journals/Letters Preview,  
[http://www.ieee.org/organizations/pubs/pub\\_preview/pub\\_prev.html](http://www.ieee.org/organizations/pubs/pub_preview/pub_prev.html).  
OpeRA, <http://www.opera.ieee.org/>.  
Bibliographies Online,  
<http://www.biblio.ieee.org/>.



## News from IEEE *continued*

Region, Section or Society Web sites should update these links to IEEE Xplore.

For more information, contact Charmain T. Williams, IEEE Publishing Business Development, telephone +1 732 981 3432; E-mailTo: [c.t.williams@ieee.org](mailto:c.t.williams@ieee.org).

*The IEEE LEADERSHIP WIRE*

25 May 2001

Vol. VI, No. 10

### **COPYRIGHTED MATERIAL FOR INSTITUTIONAL USE**

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For corporate customers, the "digital repertory" amendment to CCC's blanket photocopy license gives their employees the opportunity to reuse the IEEE's digital content for a variety of in-house purposes.

For more information, contact Bill Hagen, IEEE Intellectual Property, at "[w.hagen@ieee.org](mailto:w.hagen@ieee.org)".

*The IEEE LEADERSHIP WIRE*

8 June 2001

Vol. VI, No. 11

### **CD ROM DELIVERY TO REPLACE VIDEOS**

Educational Activities has begun migrating selected video tutorials to the friendlier CD-ROM format. The format is world compatible, has jump capabilities,

and, by its nature, modularizes course content. The courses formerly at the 2000 EAB Video-on-Demand site and most of the PE Review courses have already been packaged as CD-ROMs. EA will be phasing out its reliance on videotape delivery. Some future tutorials on CD-ROM will include a running English language transcript synchronized with the presentation. The running transcript reinforces the lesson and allows for clarification of regional or national dialects of the presenters.

Lynn Murison

Outreach Administrator,

IEEE Educational Activities

ph: 1.732.562.6526

[www.ieee.org/organizations/eab/](http://www.ieee.org/organizations/eab/)

*continued on next page*

## DEADLINES

The deadline for the November 2001 issue of the *Region 8 News* is **5 September 2001**.

Only high priority items can be accommodated after the deadline since the publication schedule is linked to the production and shipping schedule of *IEEE Spectrum*.

Duncan Baker

Region 8 News Editor

[duncan.baker@ieee.org](mailto:duncan.baker@ieee.org)



#### **Editor:**

Prof. Duncan C. Baker  
PO Box 33406  
0010, Glenstantia  
Pretoria, South Africa  
Tel.: (+27) 12 420 2775;  
Fax: (+27) 12 348 5314  
E-mail: [duncan.baker@ieee.org](mailto:duncan.baker@ieee.org)

## Statements

*continued from page 4*

### **[BALDOMIR ZAJC Slovenia Section]**

Africa Sections. Since these projects will demand a strong IEEE Services support, their application and effectiveness will be directly visible to users.

Expanded Region 8 representation on IEEE Boards, along with awards for prominent engineers and globalization of the IEEE will be my permanent concern.

## HELP DESK MEMBERS

Jacques Kevers,  
"Brussels Office"  
(IEEE European Operations Center)  
[j.kevers@ieee.org](mailto:j.kevers@ieee.org) or  
[memservice-europe@ieee.org](mailto:memservice-europe@ieee.org)  
Fax: 322 770 8505

Dr. Ayhan Altintas,  
Bilkent University,  
Ankara, Turkey  
[a.altintas@ieee.org](mailto:a.altintas@ieee.org);

Dr. Andrej Zemva,  
University of Ljubljana,  
Ljubljana, Slovenia  
[a.zemva@ieee.org](mailto:a.zemva@ieee.org);  
Fax: 386 61 126 4630

Dr. Iiro Hartimo,  
HUT, Finland  
[iio.hartimo@ieee.org](mailto:iio.hartimo@ieee.org)  
Fax: 358 9 460 224

Jorge-Luis Sanchez-Ponz,  
Madrid, Spain  
[j.s.ponz@ieee.org](mailto:j.s.ponz@ieee.org)



## IEEE SUPPORTS YOUTH INITIATIVES

Mariangela Lisanti has won the \$10,000 IEEE Presidents' Scholarship with her project "Conductance Quantization in Au Nanocontacts." The 17 year old senior from Staples High School, Westport, Conn., USA was presented with the IEEE Foundation supported award on 10 May at the annual Intel International Science and Engineering Fair (ISEF) held this year in San Jose, CA.

"I predict that she will be heard from in the future, and the fact that IEEE helped make it possible for her to become a success is to our credit," said IEEE past President Bruce Eisenstein who traveled to San Jose to present the award. "That's what an awards program is about: Honor those who deserve it, so that they can do even more and so further honor the presenter."

"There are a lot of tough times when you're doing research and you have to be lucky," said Lisanti, "but my motto is: the more hard work you put in will increase the probability that you'll be lucky."

Lisanti developed a novel technique for measuring conductance quantization in metallic nanowires, using gold as its conductor. It is both faster and less expensive than the three devices commonly used, aiding in the continuing quest for the miniaturization of electronic devices.

The Scholarship is the only Institute-wide scholarship awarded to a pre-college student. An audience of over 3,000 at the awards ceremony "oohed" when the amount of the Scholarship was announced. It is the largest special award given by an organization at Intel ISEF. The Scholarship is awarded for "outstanding achievement in creating a project that demonstrates an understanding of electrical engineering, information technology, or other IEEE fields of interest."

IEEE Lead Judge Keith Gudger, Santa Clara Valley Section, fielded a team of 14 judges, including Rachel Wilson, who will serve as Lead Judge for the 2002 IEEE Presidents' Scholarship. The team was dispatched to sort through the 1230 projects and to progressively narrow down the finalists. On 9 May, the judges started work at

8:00 a.m., and were diligent even to being sequestered from the prying public, until well after dinner. They were also tasked with judging the 11 individual awards contributed by a coalition of Region 6 sections.

Finalists hailed from 43 countries, Argentina through Venezuela, Native American Indian lands, and 47 of the United States. For a full, alphabetical listing of the winning projects, see <http://www.sciserv.org/isef/sao2001.asp>; check out the informal pictures of the judges and the winners at <http://www.sploids.com/isef2001/isefpix.html>.

Lynn Murison  
Outreach Administrator;  
IEEE Educational Activities  
ph: 1.732.562.6526  
[www.ieee.org/organizations/eab/](http://www.ieee.org/organizations/eab/)

## DIGITAL REUSE OF IEEE MATERIALS

The IEEE and the Copyright Clearance Center (CCC) have agreed to make the IEEE's copyrighted material available for limited digital use by institutional customers who hold an IEEE digital subscription, as well as an annual CCC photocopy license.

For corporate customers, the "digital repertory" amendment to CCC's annual photocopy license gives their employees the opportunity to reuse easily and legally the IEEE's digital content for a variety of in-house purposes, such as e-mail. Typically, these uses are not included in the license for the IEL, the IEEE's primary digital collection of intellectual property. Because users are not allowed to convert print works to digital formats if electronic versions are already available through the publisher, IEEE's participation in this service is likely to help promote subscriptions to IEL. The electronic license will also generate additional revenue for the IEEE.

The Copyright Clearance Center, formed in 1978 to facilitate compliance with U.S. copyright law, provides licensing systems for the reproduction and distribution of copyrighted materials in print and electronic formats throughout the world.

The IEEE Intellectual Property Rights Office is the primary contact for the CCC. For questions or comments on this or any

other copyright and/or trademark matters, please e-mail Bill Hagen – IEEE Intellectual Property Rights – "MailTo: [w.hagen@ieee.org](mailto:w.hagen@ieee.org)".

*SOCIETY SENTINEL*

13 June 2001

Vol. 6, No. 11

## BROADCAST TECHNOLOGY SOCIETY OFFICE

Effective immediately, in addition to their current responsibilities, Laura Van Savage (Administrative Assistant) and April Nakamura (Society Chapter Coordinator) will be half-time employees of the IEEE Broadcast Technology Society (BTS). They are replacing Ted Kuligowski who has retired after many years of dedicated service to the Society.

Laura will be handling the peer review process for all manuscripts submitted for publication in the IEEE Transactions on Broadcasting. This transaction is published quarterly and contains approximately 15 papers per issue. Papers will be submitted directly to Laura and she will correspond with the authors, Editor-in-Chief, Associate Editors, and reviewers from the time the paper is received until the final revision is processed for publication, or the rejected paper is returned to the author. All BTS publications inquiries can be sent to Laura at [bt-pubs@ieee.org](mailto:bt-pubs@ieee.org). Authors may also e-mail manuscripts to this address. For additional information, contact Laura Van Savage – telephone +1 732 562 3905; fax +1 732 981 1769; "MailTo: [l.vansavage@ieee.org](mailto:l.vansavage@ieee.org)".

April will be handling the administrative aspects of the Society's business. She will be the main administrative contact for all correspondence and committees related to BTS. Her responsibilities include maintaining the Society's schedule, scheduling meetings and acting as the liaison between the Society and the IEEE headquarters staff. For additional information, contact April Nakamura - telephone +1 732 562 3846; fax +1 732 981 1769; "MailTo: [a.nakamura@ieee.org](mailto:a.nakamura@ieee.org)". ♦

*SOCIETY SENTINEL*

13 June 2001

Vol. 6, No. 11



**Editor:** Jorge Luis Sanchez Ponz [j.s.ponz@ieee.org](mailto:j.s.ponz@ieee.org)

### **GOLD Web Page**

The link to the IEEE Region 8 GOLD web page "[www.ieee.org/r8gold/](http://www.ieee.org/r8gold/)" already works. Thanks to Jeremy Newberry, Region 8 Electronic Communications Coordinator, the link is available.

Now, it is easier... so please shout it from the rooftops!!! :-)

All contributions are welcome and the web page is just starting. Please feel free to send any comment or idea.

Thanks in advance.

Best regards from Cambridge,

*Jorge-Luis Sanchez-Ponz  
IEEE Region 8 GOLD Coordinator*

### **New GOLD Affinity Group!**

It is time to be happy. A new GOLD Affinity Group! The Graduates Of the Last Decade Affinity Group of the Egypt Section has been formed. The effective date of this Affinity Group formation is 9 May 2001. Congratulations to the new group and the Egypt Section! It seems we are on the right track. Similar initiatives are starting up in Turkey, United Kingdom and Republic of Ireland and Spain.

*Jorge-Luis Sanchez-Ponz  
IEEE Region 8 GOLD Coordinator  
[j.s.ponz@ieee.org](mailto:j.s.ponz@ieee.org)*

### **Relaunch of the German GOLD Website**

I am glad to announce the completion of the IEEE Germany Section's new GOLD webpages. The whole site has been reworked: New content, new design, and more features are to be added in the future. You are invited to visit us at <http://ieee.org/gold/germany> and share with us your comments and suggestions!

*Peter Knott  
GOLD coordinator  
Germany Section  
[knott@ieee.org](mailto:knott@ieee.org)*

### **IEEE GOLD Multimedia Project**

This 2001 GOLD Initiative will develop an interactive, multimedia presentation to demonstrate the value of IEEE membership

by volunteers participating in activities and remaining active members. We would ask for your assistance in preparing some brief text that summarizes your experience(s) in "how I benefited from my participation with IEEE GOLD." As part of this effort, it will be great if you could include with your thoughts:

- The value of active involvement in IEEE volunteer activities
- Why it is important to retain your IEEE membership
- What is GOLD and its value to you
- How you benefit from IEEE volunteer activities regarding your career
- Why you participate in IEEE volunteer activities
- How did you get involved

To provide some insight into this project, all formats should allow for easy updates and customization. A Section, Student Branch or GOLD Affinity Group may enhance the presentation by changing music, or adding a message from the Chair, etc. We anticipate that this presentation will be presented in one of the following formats:

- Interactive multimedia presentation in Macromedia Directory, allowing the user to choose a path.
- Macromedia Flash presentation that could run as a continuous presentation (10 to 15 minutes)
- MS Power Point with imported Flash segments.

Currently we are also recruiting interested members to participate on the committee. If you have experience in multimedia presentation using Macromedia Flash, Shockwave or similar tools, your participation on this project will be very appreciated. Thank you.

*Fernando H. Bouche  
Chair of the GOLD Multimedia Outreach*

### **Project Information: Vital ingredient for GOLD success**

Success today requires intelligence and speed, plus human, operational, and financial

capabilities. The burden for success falls on every member of an organization. For that reason, I believe you have to know those decisions, activities and actions that are being carried out at IEEE GOLD Committee level.

### **IEEE GOLD Committee**

The GOLD Committee held its face-to-face meeting in March 2001 in conjunction with the Student Activities Committee meeting. A two-hour joint session was held with members of SAC focusing on issues of student to higher-grade retention. In short, the actions that resulted from this meeting included:

- Creating an ad hoc committee to review and develop a recommendation on how to raise awareness and visibility of GOLD in TAB's structure
- Creating an ad hoc committee to develop a recommendation for some identifier on the IEEE membership card showing GOLD category status starting with the 2003 or later renewal cycle. Keep in mind that GOLD is not a member category but an affinity group
- Initiating a project to gather all best practices for GOLD groups and GOLD coordinators and present this information through a website
- A recommendation to initiate regional GOLD leaders training workshops similar to and in conjunction with the student branch leaders training workshops

It is hoped that the interaction between students and GOLD members would increase awareness of the GOLD program and therefore retention of graduating student members. We got the support to our GOLD Congress for the next year, and the idea is going to be "exported" to other Regions. By the way, is there any volunteer for that?

### **Other IEEE GOLD Committee Initiatives**

In order to keep you informed, these are other GOLD Initiatives, in which the Region 8 GOLD guys can participate. Let us know your suggestions, ideas, and comments.

*continued on next page*



## Job Hunt/Skills Project

The GOLD job hunt/skills project focuses on evaluating current information available within the IEEE and beyond on graduating students after their first professional degree looking for jobs and those GOLD members moving from their first to second and to their third job positions. Tackling the worldwide aspects of looking for a job was thought to be a very difficult task and it was decided that the project should be split up into at least two stages given the current volunteer and monetary resources. The first stage (taking place in 2001) would concentrate on Regions 1-7 due to the relative homogeneity of the job market in these regions. The second stage would take place in 2002 by addressing international issues using the work done for Regions 1-7 as a foundation. As a consequence, I am involved in the project.

## Best Practices Project

The GOLD best practices project was initiated to put together a step-by-step how-to guide for GOLD group chairs and GOLD region coordinators. A lot of information is already available on the GOLD website via the Program Resources Guide; however, it was observed that the details were not present. The web-based best practices guide aims at gathering information from all GOLD groups and region coordinators and present it in such a way as to help future GOLD volunteers get started much faster. Preliminary work has been done.

## Multimedia Outreach Project

Please refer to the Fernando H. Bouche's article for more details.

## GOLD Statistics

On a final note, I would like to bring the attention to some statistics. The total number of GOLD members within IEEE in March was approximately 60,000 - on par with the number of student members! We started this year with 24 GOLD groups. This number has currently grown to 31 (10% of all IEEE sections): 20% of them are in Region 8! Don't be held back by any doubts about your ability to do anything. Think of the GOLD possibilities. Thanks for your help! ♦

*Jorge-Luis Sanchez-Ponz  
IEEE Region 8 GOLD Coordinator  
j.s.ponz@ieee.org*

# IEEE region8student news

**Editor:** Jens Hannemann (Student Representative) [j.hannemann@ieee.org](mailto:j.hannemann@ieee.org)

## EDITORIAL

Hi folks,

Those of you who carefully read the last issue of the Student News probably already noticed that we had to postpone some of the submitted articles because of space constraints. This is good and bad news at the same time: having active branches that write lots of articles is wonderful and shows once again that Student Branches play a key role in shaping IEEE. On the other hand, to us as editors this means that we will have to stronger prioritize and shorten articles to give all Branches fair access to our publication. We will furthermore now collect articles

from you on a monthly basis and will publish them electronically on the Region 8 News website as monthly bulletins. This means that you can now send us time-sensitive information like announcements on shorter notice than before. The articles for the printed version of the newsletter will then be chosen and edited from these bulletins.

We hope that the new procedure will lead to even a larger variety of articles being published to all IEEE members in Region 8. If you have any questions or suggestions, please don't hesitate to contact either me or Duncan.

*Jens*

please take note of this best practice, it really works!).

His achievements lead finally to playing a key role in the organization of the Region 8 Student Branch Congress in 2000, that, as you all know, took place in Eindhoven and was a tremendous success.

I would like to congratulate Marco and applaud him (please join me :-)). Great work folks!

*Javier Macias-Guarasa  
R8 SAC Awards and Recognition Officer*

## R8 LARRY K. WILSON AWARD

It's a pleasure for me to announce to you all the name of the 2000 Larry K. Wilson Award Winner in our region. His name is Marco Dominicus, a very active member of the Eindhoven Student Branch (SBE). He has been deeply involved in the Branch Excom Level since 1996 and was

coordinator of several committees within the branch during the past years, becoming kind of a "walking reference book" on the SBE activities, according to his colleagues. In 1998 he became member of the SBE advisory committee, composed of members of past SBE ExComs, in order to give advice to new ExCom members (you all

## WEBSITE COMPETITION WINNER

The results for the worldwide 2000 IEEE Student Branch Website Contest are finally out. I should have announced it by 1st of May, but some problems with sites not fully working prevented me from doing so. Please, excuse me for the delay.

The jury members did great work scoring all the sites and I would like to thank them all for their effort.

As you already know, there was one finalist per region and the awards for the final phase are as follows:



- First place: USD1000 and certificate
- Second place: USD750 and certificate
- Third place: USD500 and certificate
- USD250 for the seven runner-ups

Now, the results. The top three winners are:

## 1st place: Region 8:

URL: <http://psyche.ee.auth.gr/ieee-sb>

SB: Aristotle University Student Branch, Thessaloniki, Greece

Contact: Panagiotis Georgiadis

([pgeor@egnatia.ee.auth.gr](mailto:pgeor@egnatia.ee.auth.gr))

They will receive USD1000 and a certificate.

## 2nd place: Region 9:

URL: <http://ieee.udistrital.edu.co>

SB: Universidad Distrital Francisco José de Caldas, Bogotá-E1, Colombia

Contact: Carlos Rueda Artunduaga

([artunduaga@udistrital.edu.co](mailto:artunduaga@udistrital.edu.co) or [artunduaga@ieee.org](mailto:artunduaga@ieee.org))

They will receive USD750 and a certificate.

## 3rd place: Region 10:

URL: <http://www.vesit.edu/ieee>

SB: Vivekanand Education Society's Institute of Technology (India)

Contact: Siddharth Shetye

([webmaster@ieeevesit.org](mailto:webmaster@ieeevesit.org)) and Akshay

Agrawal ([akshayagrawal@hotmail.com](mailto:akshayagrawal@hotmail.com))

They will receive USD500 and a certificate

For more details on the runners up, please contact me.

Javier Macias-Guarasa  
[macias@die.upm.es](mailto:macias@die.upm.es)

## IRAN

### Iranian Students Starring Again in Student Activities

On March 8, 2001, 12 days to the Norooz – Holidays of new Persian year – in Qazvin, Iran, heads of IEEE student branches from all Iranian Branches were to meet at the first annual gathering.

The idea of this gathering came alive on the second day of ISCEE2000 (The 3rd Iranian Conference on Electrical Engineering, November 10-12). At that gathering three volunteers were selected as coordinators of IEEE Iran Section (Mr. G. R. Zandesh, Mr. A. Riazi, Mr. F. Foroughi), and we, Photon- The IEEE Organization Committee of IAUQ (Iranian Azad University of Qazvin) propose to be the

first host of this gathering.

So, on the appointed date we had 30 guests from 14 Iranian Branches. The date was synchronous with the 1st Internal Student Conference on Electrical Engineering of IAUQ with the attendance of lectures and exhibitions. That was our pleasure to have some guests from GOLD and a group from IEEE Iran Section including Dr. Ghafoorifard, Chair of IEEE Iran Section.

The gathering was held in two sessions taking 5 hours and 45 minutes. The meeting filled with discussing topics containing:

- An introduction to GOLD
- UNESCO aids on IEEE membership fees
- A chain speech on IT in four fascinating stations (Tabriz, Qazvin, Tehran and Isfahan) with 25 speakers from different countries.
- A tour to Armenia with the attendance of speeches and a visit to Armenia Industrial cores.
- Plan for the next gathering on May 15-16, 2001, parallel with an Internal Student Conference on Electrical Engineering in Babol.
- Exchanging ideas and experiments in order to make a full-communicated society and have an active Section.

The meeting was ended in appreciation of Dr. Ghafoorifard, the IEEE Iran Section Chairman By Dr. M. Moosakhany, Consular of the IAUQ, and as equivalent the IEEE Student Branch of IAUQ was awarded by the letter of commendation from the IEEE Iran Section for being the host of this gathering.

We continued our discussion of different topics at the hotel till the midnight that leads us to a Matlab workshop on May 2001, in IAUQ. Our friendly crew spent the next day on a trip into the monuments and boating on the Qazvin Lake in a rainy day. We left our friends with some traditional

cookies as souvenirs of Qazvin.

At the end we, the Photon, should thank Dr. M. Moosakhany and as our best friend Dr. M. Gharagozloo, the Chief Consultant of IAUQ and other officers of our university for their supports.

Best wishes for the better future.

Photon Corresponding committee

[R\\_Sabzevari@ieee.org](mailto:R_Sabzevari@ieee.org)

### ACM Student Chapter and IEEE Tehran Student Branch

The ACM Student Chapter and IEEE Student Branch at University of Tehran held the "Distributed Web Applications" workshop in the ECE department on Apr 19, 2001. This workshop was sponsored by Behin System. About 120 students from different universities attended the event. In addition, some participants were from industry.

The main objective of this workshop was to introduce the participants with the newest web-based technologies. In summary, it can be seen that as the Internet technology entered the world of commerce, the software industry faced new challenges in developing distributed, scalable, and available software. These challenges and the need for rapid software development gave rise to development of technologies supporting distributed component-based application development. Naturally, major software companies try to have a greater share of this market. In this workshop, the solutions offered by two important competitors, Sun Microsystems and Microsoft, were studied.

The first session of our workshop was intended to introduce the J2EE (Java 2 Enterprise Edition) platform, which is the Sun's solution to distributed component-based architectures. At first, Ramtin Khosravi, a lecturer and Ph.D. student at the Sharif University of Technology and the chief architect at ObjectJ Inc., gave a general overview of the subject. Then Roozbeh Ghaffari, a senior undergraduate student at the Sharif University of Technology and an architect at ObjectJ Inc., gave a more detailed picture of J2EE using a case study.

In the second session, the latest Microsoft technology, 'Net', was intro-



Student leaders in Iran relax while discussing future student branch activities.



duced. The lecturer of this part was Mehran Taheri. He has a B.Sc. degree in Computer Engineering from Shahid Beheshti University. Mehran is active in IT technology and is the director of software department of Tartan System company. He began with a detailed history of web programming and old Microsoft solutions like ASP. Next, he discussed the '.Net' platform and its components, including C# and 'ASP.Net'.

*M.H. Sheikh Attar  
Chair, ACM Student Chapter,  
University of Tehran*

## INAUGURATION OF IEEE FUTO SB

Over 250 guests, lecturers and students defied an early morning downpour to attend the inauguration of the IEEE student branch and IEEE YMS at Federal University of Technology Owerri (FUTO). The Chairman of the occasion, Engr. (Dr.) S. O. E. Ogbogu set the stage for a very successful occasion with his well-articulated welcoming speech.

In her inaugural lecture entitled "Innovation & Technological Advancement: The Role of Professional Societies," the head of the Electrical & Electronics Engineering department in FUTO Dr. (Mrs.) G. A. Chukwudebe aroused so much interest that by the end of the day, many wanted to join. The Spectrum and Potentials Magazines on display attracted many people who were impressed with their content. The day was crowned with cash awards to four outstanding final year students to assist them in their projects.

This inauguration marks the beginning of activities for the IEEE SB in FUTO. Monthly technical evenings and an exhibition are already being planned to make the branch active. The IEEE FUTO SB has grown from seven members as at January 2001 to 50 members as at 10 April 2001. With our numerical strength, all is now set for our formal registration.

Though it wasn't easy, with hard work and determination, we have done it. Our branch counselor Engr. Mike Ndinechi and the Nigeria Section Chair Engr. Isaac Adekanye were very instrumental to our success. I must confess that the guys at University of Lagos challenged us to do this

and we are proud we have done it. Any ideas or suggestions on how to be more effective will be most welcomed.

*Obiodu Chukwuemeka E.  
Branch Chair  
ceobiodu@ieee.org*

## MARIBOR SB

The IEEE Student Branch Maribor, Faculty of Electrical Engineering and Computer Science, University of Maribor is organizing its second international symposium "Extra Skills for Young Engineers", which will be held from October 17-19, 2001.

The process of globalization and fast development of new technologies demands extra skills from young engineers that are not part of their studies. It is very important that students realize that fact as soon as possible. The goal of this symposium is to increase awareness of students about the needs of the industry and extra skills that it requires from a young engineer. We have invited speakers from IEEE, industry, and academia.

Another mission of the symposium is to produce an IEEE student guide that would include articles from experienced engineers and managers from academia and industry. Its mission is to be a guideline for IEEE students all over the world. Because we want to produce a top quality material useful for all IEEE students, we are trying to get as much international papers on the subject as possible. We would like to invite you to prepare an article based on your experiences and views of the future. This year's topic is "Image of an Engineer in the European Union".

Important information:

- Your camera-ready paper should be sent to the e-mail address: [paper@um.ieee.si](mailto:paper@um.ieee.si), on 20th August, 2001 at the latest.
- Papers should not exceed more than four (4) pages.
- There is no publishing fee.
- Guide will have ISBN.
- Participants and company representatives will receive printed version.
- Electronic version will be freely available.

Please see <http://www.um.ieee.si/> and then go to the link "Symposium" or go directly to <http://www.um.ieee.si/activities/symposium2001/index.html> for this year's

information. For details about last year's event – proceedings, video of the lectures, pictures from the events please visit <http://www.um.ieee.si/conferences.php3>.

Sincerely yours,

*Sasa Jevtic,  
Chair of IEEE Student Branch Maribor*

## STUDENT SERVICES

Contact Student Services if you need assistance, applications or other information.

The contact information is:

IEEE Student Services  
445 Hoes Lanes  
P.O. Box 1331  
Piscataway, NJ 08855-1331  
Fax: +1 732 463 3657  
Phone: +1 732 562 5527 or 5392  
E-mail: [student-services@ieee.org](mailto:student-services@ieee.org)  
[www.ieee.org/students](http://www.ieee.org/students) ♦

## Deadlines and Upcoming Events

**August 1** Fall Promotional Mailing sent to all Branch Counselors. So, after the usual mail delay of 4-6 weeks, check with your counselor whether that stuff has arrived.

**August 15** Rebate Checks will be sent if the Annual Report of Activities has been received by headquarters in time (deadline May 1).

**August 20** Deadline for the submission of papers to SB Maribor Symposium

**October 17-19** International Symposium "Extra Skills for Young Engineers" held by SB Maribor, Slovenia

**November 1** Annual Plan of Activities due to student services

**December 15** Student Paper Contest deadline

If you want \*your\* local student branch activity listed here, just drop us an email.