

# 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/>

## Awards and Recognition

### IEEE TECHNICAL FIELD AWARDS

#### IEEE Control Systems Award

KEITH GLOVER (F'IEEE) Professor and Deputy Head, Department of Engineering University of Cambridge, Cambridge, England, United Kingdom, "For pioneering and fundamental contributions to robust controller design and model order reduction."

#### IEEE Masaru Ibuka Consumer Electronics Award

ULRICH REIMERS (SM'IEEE) - Professor, Institute of Nachrichtentechnik, Vechelde, Germany, "For visionary leadership in the development of digital video

broadcast (DVB) Standards and implementation guidelines for satellite, terrestrial and cable equipment."

#### IEEE Internet Award

LOUIS H. POUZIN (NON-MEMBER) - Professor, Technology, THESEUS, Sophia Antopolis, France, "For his pioneering development and effective advocacy of datagram networking, the technology that enabled the rapid, inexpensive, decentralized expansion of the Internet."

#### IEEE Nikola Tesla Award

STEVE WILLIAMSON (F'IEEE) - Professor, Department of Electrical Engineering & Electronics, University of

Manchester Institute of Science & Technology, Manchester, United Kingdom, "For the development of advanced mathematical models and computational tools for induction machine design."

### IEEE PRIZE PAPER AWARDS

#### IEEE Donald G. Fink Prize Paper Award

XIN YAO (SM'IEEE) - The University of Birmingham, School of Computer Science, Edgbaston, Birmingham, United Kingdom; for his paper entitled: "Evolving Artificial Neural Networks," Proceedings of IEEE, Vol. 87, No. 9, pp.1423-1447, September 1999.

## Fellow Nominations

There are many colleagues in Region 8 who are worthy of nomination as Fellows of the IEEE. The nomination process is quite stringent, but well worth the effort. Accordingly the *R8News* takes the liberty of reminding you to start considering nominations as soon as possible. The deadline of 15 March 2001 is quite strict. If you need guidance, or have any

queries, please contact Hans Peek, our Awards and Recognition Coordinator. He may be contacted by e-mail at [h.peek@ieee.org](mailto:h.peek@ieee.org), or by mail at Hans B. Peek, Dennenlaan 10, Nuenen 5671 BX, The Netherlands. Fax: 31 40 274 4675.

If you would like to request a hard copy of the Fellow Nomination Kit, please call +1 732 562 3840 or e-mail: [fellow@ieee.org](mailto:fellow@ieee.org).

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## Elections for Vice-Chairs

At its formal meeting from 1 to 2 September 2001 in Edinburgh the Region 8 Committee re-elected the following Vice-Chairs for a further term:

**Technical Activities** - Prof. Anthony C Davies, [tonydavies@ieee.org](mailto:tonydavies@ieee.org)

**Membership Activities** - Prof. Gerhard P Hancke, [g.hancke@ieee.org](mailto:g.hancke@ieee.org)

**Student Activities** - Mr Christian Borgert, [c.borgert@ieee.org](mailto:c.borgert@ieee.org)



# UKRI Section Hosts Region 8 Committee

**S**cotland's magnificent Capital City of Edinburgh played host to the Region 8 Committee from 31 August to 2

September 2001. The canny Scots used their influence with a Higher Power and provided some excellent weather for the event.

For those unfamiliar with the city, the dominant feature is undoubtedly the imposing Edinburgh Castle. The Old Town is commonly taken to be any part of the link that stretches from the Castle to Holyrood Park, along the Royal Mile. The New Town stretches north of Princes Street, from which there are magnificent views of the Castle.

As a break from the serious business of the Region 8 Committee on Saturday evening, the delegates were taken on a conducted tour of Holyrood Palace. The guides provided a wealth of information of Scotland's romantic and turbulent past. After this the delegates were regaled at a Civic Reception, which was hosted most graciously by the Deputy Provost of the City of Edinburgh, Councillor Marion Morton. In her pre-dinner address Councillor Morton warmly welcomed the delegates, and humorously suggested that the world famous Edinburgh Tattoo was in honour of the Region 8 Committee, as were the fireworks, which would round off the Tattoo. Director Levent Onural replied on behalf of the delegates, and expressed their pleasure at being in Edinburgh.

On the Sunday evening, a formal dinner was hosted by the UKRI Section at the Castle. In grand Scottish style, the delegates were welcomed by a bagpiper in full regalia. It is difficult to imagine a more magnificent setting. The views from the battlements of the Castle of the city below and the sea beyond are breathtaking to say the least. The delegates were again taken on a conducted tour of a few of the many fascinating features of the Castle, starting with the Great Hall. The highlight of this all too short tour was undoubtedly the opportunity to view the Emblems of State of Scotland. The dinner itself was an opportunity for delegates to renew friendships, and to cement new ones. The two generous Sponsors were Scottish Enterprise, and Electronics Scotland. Tom Hammons, Chair of the UKRI Section, in turn welcomed the delegates on behalf of the Sponsors.

Three well organized and attended technical visits were arranged on Monday 3 September, to BAE Systems and Edinburgh University, to AGILENT and Heriot Watt University, and to Cruachan Pump Storage installation operated by Scottish Power on Loch Awe. The latter visit included seeing some of Scotland's most beautiful countryside with a short break at Inveraray on the return. Again the weather was excellent on these trips.

The UKRI Section is to be congratulated on their organization for the Region 8 Committee Meeting and the superb func-



Director Levent Onural (standing left) congratulates Prof. Tom Hammons (standing right), Chair of the UKRI Section, on the superb arrangements made for the meeting in Edinburgh. Seated: Prof. Gerhard Hancke (left), Vice-Chair Membership Activities, and Mr. Christian Borgert (right) Vice-Chair Student Activities. Photo by courtesy of Jaafar Al-Ibrahim, Section 99 Coordinator.



The Deputy Provost of the City of Edinburgh, Councillor Marion Morton (left), Director Levent Onural, and his daughter Denis, listen attentively to discussions at the Civic Reception.

tions they arranged to set the seal on the success of the Committee's deliberations.

## Section and Chapter News

### From the Chapter Coordination Committee (CCC)

**Motto: The local chapter activities are the most important key to membership growth, improvement of society image and realization of globalization process.**

Region 8 has the highest number of chapters of all the regions and the formation of the new chapters is still going very well. There were 307 Chapters in R8 at the beginning of September 2001 and 14 of them were newly established during the first 8 months of this year. The Societies with the highest number of chapters are

Russia (24), UKRI (21), Poland (19), Germany (17) and France (16). Many Chapters in Region 8 have increased their activities and their mixture of technical meetings, workshops and conferences offer something for all members, whether they work in industry, academia or government.

Some Societies in R8 have many Chapters, e.g. MTT - 36, COM - 34, ED - 34, AP - 28, SP - 25, CAS - 25, C - 25, PE - 25 and LEO - 22. Most of them are very active in organizing Chapter Chairs meetings in conjunction with the main Societies' conferences in Region 8. Since 1996 an annual Divisions I and IV Region 8 Chapters meet-

ing has been held. This meeting grew as a joint MTTs/EDS initiative to promote chapter formation and particularly to promote participation in Eastern Europe and the former Soviet Union countries and in the last year it was transformed into a biannual event (the next one will be held in September 2002 in Milan, in conjunction with EuMW'02).

In 2001 two Societies decided to organize Chapter Chairs meetings in Region 8: *ComSoc Regional Chapter Chairs Congress* - June 11-12, Helsinki in conjunction with International Communication *Conference ICC'0* (report by Jacob Baal-Schem in this issue);

*MTTS Chapter Chairs Meeting* – September 23, London in conjunction with European *Microwave Week EuMC'01* (report will be presented in next issue).

An informal meeting of SP-S Chapters will be held during the ICIP Conference, in Thessaloniki October 09, 2001.

R8 Committee has approved a few motions allowing stronger financial support for chapter activities:

- chapters can receive from Region 8 financial support for some of the conferences and workshops (organized by the chapter) – applications should be sent to the R8 Conference Coordinator (Tariq Durrani, e-mail: [durrani@strath.ac.uk](mailto:durrani@strath.ac.uk)) at least 6 months in advance
- chapters in low-income Sections can receive additional financial support (particularly for new initiatives) if they do not receive enough support from Societies - applications should be sent to the R8 Chapter Coordinator (Józef Modelski, e-mail: [modelski@ieee.org](mailto:modelski@ieee.org))
- Region 8 will encourage and support holding a Chapter Chairs meetings in conjunction with the main conferences held in the Region by their Society
- Region 8 will provide financial support for Chapter Chairs/ Representatives to participate in the Chapter Chair meeting and attend the Conference.

One of the results of the meetings in Seville and Edinburgh is the decision to organize in Region 8 the competition "**The Best Chapter of the Year**" in the two categories:

- for "Junior" Chapters (established after January 01, 1996)
- for "Senior" Chapters (established before January 01, 1996)

The evaluation criteria are based on:

- the technical activities (e.g. conferences, seminars, workshops and technical meetings); the educational activities (e.g. tutorials, short courses, lecture series, Distinguished Lecturers Program)
  - the level of membership advancement and recruitment
  - other activities (e.g. public relations activities, competitions sponsored by chapter);
- Section Chairs will receive *Nomination Forms* before November 30, 2001, and

they can nominate one chapter in each category. Submissions should be made before February 28, 2002. The winners for the year 2001 will be announced during the R8 Committee Meeting in Budapest, April 20-21, 2002.

*Jozef Modelski*  
*Chair, Chapter Coordination Sub-committee*  
[modelski@ieee.org](mailto:modelski@ieee.org)

## Communications Chapters Chairs meet in Helsinki

All Communications Chapters Chairs of Region 8 (Europe, Africa and the Middle East) were invited by the Communications Society to a two-day Congress held in Helsinki, Finland, during ICC 2001. The Society covered their travel and accommodation expenses and 27 out of 34 Chairs participated in this important event.

The Congress participants were welcomed on Monday, 11 June 2001, by the Communications Society President – Roberto de Marco and by Region 8 Director – Levent Onural, who both stressed the importance of Technical Chapters of Societies in IEEE activities. The Congress was chaired by Trevor Clarkson, Chairman of the EAME Board of ComSoc and Chairman of the UKRI Communications Chapter.

The Helsinki meeting was actually the third meeting of Communications Chapters Chairs in Region 8. The two former meetings were organized by Region 8 and held in London and in Florence. At the Helsinki meeting, the Region 8 Committee was represented by Director Levent Onural, Chapters Coordination Committee Chair – Josef Modelski and Communications Chapters Coordinator – Jacob Baal-Schem.

Most of the Congress was devoted to getting acquainted with the services available to Chapters – both from the Society and from the Section and Region. ComSoc President-elect Celia Desmond (who becomes Society President on January 1, 2002), presented an overview of the Communications Society, the second largest Society in IEEE, with over 51,000 members worldwide – 20% of whom live in Region 8. Celia, Trevor, as well as vice-Presidents and officers of ComSoc introduced the par-

ticipants to support available from the Society to its Chapters – grants to attend Conferences, Distinguished lecture tours, Chapter funding for activities, free periodicals and more. Carole Swaim, the ComSoc staff person who diligently organized this event, provided information on how to contact Officers and staff in ComSoc.

Region 8 Chapters Coordination Chair Josef Modelski emphasized the Chapters activities in the Region in his presentation. Chapters are the focus of technical activities and of Conference initiation and are getting strong support from the Sections and the Region. ComSoc Chapters Coordinator Baal-Schem mentioned that the number of ComSoc Chapters has grown to 34 (from 13 in 1993 and 26 in 1999) and that ComSoc membership in the Region has grown from 10% of total membership in 1985 to the actual 20% of total Communications Society members. We have in the Region 25% of all Chapters of the Society. These Chapters are very active and have held Seminars and Conferences in Hungary, Russia (including the Internet Conference in Moscow) as well as participated in Regional Conferences. Several National Societies have sister agreements with ComSoc. All these activities are performed in close cooperation with the Communications Society.

Several sessions were devoted to preparing recommendations on future programs, and provided additional opportunities for interaction and discussions among the participants. Among the recommendations: Show the value of ComSoc for professionals and students; ComSoc to provide a certification program for engineers; set up a mechanism to bid for a Conference at the Chapter site; joint Chapter activities (for example, inviting another chapter for a visit); organize local workshops at Regional Conferences; provide incentives to retain volunteers etc.

Helsinki RCCC was certainly an important event and will definitely foster the activities of Communications Chapters in IEEE Region 8.

*Dr. Jacob Baal-Schem*  
*Region 8 Communications Chapters*  
*Coordinator*

### Bahrain Section Formed

The Bahrain Section has been approved. The effective date of this Section formation is 22 June, 2001. The Interim Chair is Isa S. Qamber <[iqamber@internic.uob.bh](mailto:iqamber@internic.uob.bh)>.

### Germany

On June 29, 2001 the German chapter of IEEE PES awarded the prize for the best diploma thesis for the second time. The prize winners are Mr. Wilko Krass, Erlangen, and Mr. Hagen Schmoeller, Aachen. Mr. Krass studied electrical engineering at the University of Erlangen-Nuernberg and wrote his thesis at the chair of electrical energy supply directed by Prof. Dr.-Ing. G. Herold. The title of his excellent diploma thesis was "Subsynchronous Resonances." Mr. Schmoeller's excellent thesis is titled "Optimal Load Dispatch in Hydrothermal Energy Supply Systems considering Market Environments" and has been prepared at the Institute of Power Systems and Power Economics at the RWTH Aachen, University of Technology, which is directed by Prof. Dr.-Ing. H. J. Haubrich.

The prize was sponsored by ABB and SIEMENS and the award took place at SIEMENS in Erlangen, Germany. Members of the Executive Committee of the IEEE PES German Chapter as well as representatives of ABB and SIEMENS joined the ceremony.

The prize will again be awarded in 2002 when SIEMENS will alone sponsor the prize. It includes DM 5000, which is expected to be spent for a visit to the next IEEE PES Summer Meeting. Potential candidates are invited to contact Prof. Dr.-Ing. J. Kindersberger (e-mail: [kindersb@ehhn1.et.tu-dresden.de](mailto:kindersb@ehhn1.et.tu-dresden.de)) for further information.

### Central and South Italy Section

Several activities were organized by the IEEE Central & South Italy Section (chaired by Prof. D. Solimini) and SP & AES Chapter (Prof. G. Galati, Chair of the IEEE *Signal Processing & AES Panel*), supported by IEEE AESS *Space Systems Technical Panel* (chaired by M. Ruggieri, AESS BoG Member). The seminar was held at the Università di Roma Tor Vergata, Engineering Faculty, Teaching Building, Roma, Italy, under the auspices of the Università di Roma Tor Vergata (DISP), Vito Voterra Centre.

**23 April 2001:** The Seminar was presented by the invited lecturer Dr. S. H. Durrani (IEEE Executive Fellow, FCC – Washington, DC), on: "*Introduction of New Space Services in the US and Regulatory Role of the Federal Communications Commission*"

**June 25, 2001:** The Seminar comprised three 40 minute long lectures: "**Introduction to transmission media,**" given by Prof. Paolo Ferrazoli

**"Introduction to new technology: Internet,"** given by Prof. Marco Listanti  
**"Satellites and Satellite Communications,"** given by Prof. Marina Ruggieri.

For more information, please see the August 2001 electronic Bulletin on the Region 8 News website at <http://ewk.ieee.org/reg/8/r8news/index.html>

Marina Ruggieri  
[Ruggieri@uniroma2.it](mailto:Ruggieri@uniroma2.it)

## Poland

### Poznan University of Technology Wins First Place At CSIDC 2001

Poznan University of Technology, Poland, won first place at the IEEE Computer Society's Second Annual International Design Competition (CSIDC 2001) held on 23-25 June in Washington, D.C. Their design implementing Bluetooth wireless technology won them US\$25,000.

For more information and the complete list of winners, visit <http://www.computer.org/csdc/CSIDC2001Winners.htm>.

*The IEEE LEADERSHIP WIRE*  
13 July 2001, Vol. VI, No. 13

## Voluntary Contribution Fund (VCF)

**R**egion 8 covers a huge territory, where a lot of differences exist. Amongst others, the average take-home salary of an electrical engineer spans from thousands of dollars in some countries down to several dollars in other countries. The Voluntary Contribution Fund has been created as a tool to enable the collection of voluntary contributions and to help members from needy countries.

Money is used for various projects. During 2001, for example, 16 student

branches received the Student Branch All Magazine Package with the help of R8. Within the first ten months of 2001, 13 student members and 7 full members got the chance to present their papers at IEEE conferences within Region 8 using help from the VCF.

IEEE members wishing to apply for support should contact Zbynek Skvor, R8 voluntary contribution fund coordinator at [r8vcf@mide.cz](mailto:r8vcf@mide.cz). More information can be found online (<http://www.mide.cz/vcf>).

### Student Branch Magazine Package

VCF helps student branches from needy countries to meet the cost of the Student Branch All Magazine Package. Branches from countries where the average salary of an EE fulfills the minimum income condition (currently gross income under \$10100 per annum) are invited to apply for this support.

Zbynek Skvor  
[r8vcf@mide.cz](mailto:r8vcf@mide.cz)

## CALLS FOR PAPERS

### Digital Signal Processing and its Applications 2002

17 February - 1 March 2002

Moscow, Russia

#### 4th International Conference and Exhibition

The conference will address various topics of interest in digital signal processing and its applications. These include:

Theory of signals, methods of coding, algorithms of transformations; Digital filtration and spectral analysis; Digital processing and transmission of multidimensional signals; Digital processing and transmission of speech and sound signals; Digital signal processing and transmission in communication systems, radar and hydroacoustics; Digital signal processing in control systems; Digital image processing; Digital processing of measurement information; Digital teleradio-broadcasting; Neural network signal processing; Digital signal processing for information security; Element base and digital signal processing systems; Design of digital signal processing systems; DSP standards; IP-telephony, videoconference communication, multimedia, Internet; DSP in education.

Papers submitted should not exceed 4 pages, and should be in Word 7 format for Windows 97, or Windows NT. The deadline for submissions is 10 September 2001. Notification of acceptance is 10 November 2001.

The languages of the meeting are Russian and English.

For additional information contact:

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20/6 Kuznetsky Most Str, 103897  
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### WSR2002

20 - 21 March 2002

#### University of Karlsruhe, Germany 2nd Karlsruhe Workshop on Software Radios

During the last 10 years software radio has emerged from a niche area to become a cornerstone of modern system strategies for future-proof and truly universal mobile telecommunications. Taking into account the many contributions in magazines and journals since, we may observe a certain partitioning of the community.

On one hand, visionaries and managers continue to think about business models for systems and services, about the impact of globalization and productization of the software radio idea. Their primary concern is to understand and to predict its implications for the future of mobile radio.

On the other hand, researchers and developing engineers pick specific problems of transceiver design. There is a tremendous effort to technically solve software radio problems, to improve existing techniques, to propose new ones.

In 2002 we are looking forward to bringing rich and diverse software radio groups together again: visionaries and problem-solvers, managers and researchers.

WSR2002 stands for news in software radio. We invite you to contribute and to learn, to predict and to solve.

Abstract submission due: 20 December 2001

For more information on WSR2002, visit <http://www-int.etec.uni-karlsruhe.de/conferences/wsr2002>

Researchers and engineers from academe

and industry are encouraged to contribute to the workshop. Please send your 1 page abstract for a 20 min presentation to:

*Dipl.-Ing. Arnd-Ragnar Rhiemeier*  
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76128 Karlsruhe, Germany  
Phone +49 721 608 6271  
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e-mail arnd.rhiemeier@int.uni-karlsruhe.de

### MIKON 2002

20 - 22 May 2002

Gdansk, Poland

#### 14th International Conference on Microwaves, Radar and Wireless Communications

Papers describing original, unpublished works on the utilization and application of microwave theory and techniques, concerning many aspects of radar technology, microwave and optical communication systems are most welcome.

Acceptance of the papers will be based on the following three equivalent criteria: originality, technical or scientific value, clarity and suitability. In addition to the regular scientific presentations, application oriented papers are welcome to highlight new implementations in the microwave and millimetre wave domain. Commercial presentations by the sponsoring companies are to be delivered during special late afternoon sessions. Authors can also request their papers to be exclusively considered for poster or oral presentations.

A complete manuscript in English describing new work in the areas of Conference Topics should be prepared in the MS Word 2000 or pdf format and submitted by e-mail to the address of the Conference Secretariat by **December 15, 2001**. All contributions presented in oral and poster sessions will be published in the Conference Proceedings and CD.

Notification of acceptance will be e-mailed before February 10, 2002.

### Young Scientist Contest

Eligible candidates i.e., students, Ph.D. students or young engineers, under 35

## Conferences *continued*

years of age, must be main authors and they must present their original works, during the Conference oral or poster sessions.

The papers approved for presentation during Conference, and entering the competition, are to be evaluated for content, presentation manner and visual aspects. Best works are to be distinguished with the first, second and third awards.

For more information, please send an e-mail to [godlewska@pit.edu.pl](mailto:godlewska@pit.edu.pl) or visit <http://www.pit.edu.pl/MIKON-2002>.

### **Standby Power Systems 2002** 28 - 29 May 2002

#### **Midrand, South Africa**

The Distribution Group of Eskom is intending to hold a non-profit conference on the developments in the standby power systems technologies on the 28th and 29th of May 2002.

Eskom is the national electricity utility of South Africa. The company has diverse interests in the fields of power generation, transmission, distribution, telecommunication, information technology and renewable energy technologies.

**Venue:** Ian McRae auditorium at Eskom Exhibition and Conference Centre, Midrand, RSA (Map available on request).

#### **Objectives:**

- Exposure to international developments in the field of standby power systems.
- To share experiences on the application and performance of new technologies under South African conditions.
- An update on opportunities for trade in emerging markets on the African continent.
- Communicate the impact of legislation with regard to disposal and recycling of hazardous materials.

Synopses and completed application form, not more than 500 words and preferably in Microsoft Word for Windows format & Arial font 10 point, of papers (preferable in electronic format) should reach Thomas Jacobs by 14th December 2001. Confirmation of paper acceptance by the technical team will be by February 2002. Completed papers are to be submitted by April 2002 to allow sufficient printing time.

The official language of the conference will be **English**.

Exhibition space and poster panels will be available.

For more information visit our website: [www.dccconf.co.za](http://www.dccconf.co.za), or contact:

*Leon Drotsché*  
[leon.drotsche@eskom.co.za](mailto:leon.drotsche@eskom.co.za)  
Tel/Cell: +27 21 980 3434  
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### **Finite Element Methods for Microwave Engineering**

30 May - 1 June 2002

Chios, Greece

#### **6th International Workshop on Finite Element Methods for Antennas, Circuits, and Devices**

**Scope:** 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, Computational Electromagnetics, Microwave Electronics, Passive and Active Microwave Devices, Scattering, and other related topics.

**Venue:** The workshop will be held on the picturesque island of Chios, Greece. The Homerion Conference Center will be used for all technical sessions.

Further Information: Please see our web-site (<http://speed.esd.ece.ntua.gr>) or contact Prof. Leo Kempel ([kempel@msu.edu](mailto:kempel@msu.edu)).

### **VIPromCom-2002**

16 - 19 June 2002

Zadar, Croatia

#### **4th EURASIP - IEEE Region 8 International Symposium on Video/Image Processing and Multimedia Communications**

The conference will be held in the beautiful old town of Zadar on the Croatian Adriatic coast. The conference is sponsored by (approval pending) 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 Conference Proceedings available at the conference and abstracted in the INSPEC database.

**Important Date:** Full camera-ready paper to be received electronically in PDF or PS format by December 07, 2001. "Instructions for Authors" are available on VIPromCom web-site.

*Dr. Mislav Grgic*  
VIPromCom-2002  
FER, Unska 3 / XII  
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Telephone: + 385 1 6129 851  
Facsimile: + 385 1 6129 717  
E-mail: [vip@fer.hr](mailto:vip@fer.hr)  
Website: <http://www.vcl.fer.hr/vip/>

### **ISIE'2002**

8 - 11 July 2002

L' Aquila, Italy

#### **2002 IEEE International Symposium on Industrial Electronics**

The purpose of this symposium is to provide a forum for presentation and discussion of the state-of-art of Industrial Electronics and related areas.

Topics within the scope of the symposium will generally be from the following fields:

Emerging technologies; Factory automation; Industrial control, instrumentation, and signal processing; Intelligent systems; Mechatronics; Power electronics; Special sessions and tutorials.

Prospective authors are invited to visit the conference web site at the following URL: <http://isie2002.ing.univaq.it> and submit their digests according to instructions. Manuscripts must be submitted in PDF or (exceptionally) in PostScript. Those not provided by internet access can exceptionally submit four printed copies of their digest by post to:

ISIE2002 c/o Dipartimento di  
Ingegneria Elettrica - Università di  
L'Aquila 67040 Monteluco di Roio - L'  
Aquila - Italy

Follow these instructions: Page 1: preferred track, title, mailing address for each author: title, name, family name, affiliation, street, zip code, city, country, phone, fax, e-mail (all comma separated). Page 2: Title, authors, 200 words abstract. Pages 3 and up: 2000 words digest.

Summaries should include a clearly defined problem statement supported by the relevant references. It should state why the work was undertaken and what are its outcomes. The development description should be comprehensive enough to allow the assessment of the work's originality and contribution to the technical area. The summary should also provide conclusions and recommendations for further work. For any queries please send your e-mail or fax to:

*info@isie2002.ing.univaq.it*  
Phone: +39 0862 434403

For more information, please see the August 2001 electronic Bulletin on the Region 8 News website at  
<http://ewk.ieee.org/reg/8/r8news/index.html>

## **EMS 2002**

**August 2002**

**Cambridge, UK**

The IEEE Engineering Management Society will hold its prestigious International Conference on Engineering Management in Cambridge, England in August 2002.

The conference will address numerous issues of interest to those involved in Engineering Management.

Papers are also particularly invited on start-up experiences, and from the aerospace, automotive, communications, consumer electronics, computers, finance, and healthcare industries, amongst others.

Closing date for submission of Abstracts is 31 January 2002.

For more information contact:

*Prof. Tariq S Durrani*  
General Chair: IEMC-2002  
Deputy Principal

*University of Strathclyde*  
204 George Str.  
Glasgow G1 1XW  
Scotland, UK  
Phone: +44(0) 141 548 2540  
Fax: +44(0) 141 552 2487  
E-mail: *t.durrani@ieee.org*

## **EMC EUROPE 2002**

**9 - 13 September 2002**

**Sorrento, Italy**

The 5th International Symposium on Electromagnetic Compatibility (EMC) will offer a new opportunity to researchers, scientists and engineers working in the area of EMC to present the progress in their work and to discuss problems of current and mutual interest. After a successful series of four high-level EMC Symposia held in Rome (EMC ROMA '94, '96, '98) and in Brugge (EMC EUROPE 2000), the International Steering Committee decided that the 2002 edition will be held in Sorrento, Italy.

Authors are invited to submit original and unpublished papers. Prospective authors should submit a 100-word abstract and an anonymous four-page summary that clearly explain the contribution, originality and relevance to the EMC area. Abstract and summary - formatted Word or PDF - have to be sent by December 1, 2001 to: *emceurope2002@aei.it*.

The Symposium will be accompanied by a technical exhibition on EMC.

Further information and the Call for papers could be obtained by e-mail or from the home page of the symposium:  
<http://www.aei.it/emceurope2002/index.htm>

*Mauro Feliziani*  
Symposium Chairman  
Prof. Mauro Feliziani  
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## **IS 2002**

**10 - 12 September 2002**

**Sunny Day, Varna, Bulgaria**

**The 1st IEEE International**

## **Symposium on Intelligent Systems**

The symposium is organized by the IM, CS, and SMC IEEE Joint Chapter of Bulgaria.

The symposium will be held in the Sunny Day resort in St. Constantine on the Black Sea beach near Varna. Varna has regular and frequent road, international rail and air links to all destinations.

The symposium scope includes topics from IEEE Information Theory, Systems, Man, and Cybernetics, Control Systems, Instrumentation and Measurement, and Computer Societies. The main topics include, but are not limited to, the following: Artificial intelligence; Chaos theory; Data mining; Data fusion; Decision support systems; Evolutionary computation; Fuzzy logic; Human-machine interaction; Intelligent control; Intelligent measurement; Intelligent systems and semiotics; Knowledge engineering; Machine learning; Neuro-fuzzy systems; Neural networks; Soft computing agents.

Applications: Automotive; Data processing; Educational aspects of intelligent control; Process control; Robotics; Transportation; Telecommunications.

Participants can choose between up market accommodation at reasonably low prices and extremely low cost accommodation in other hotels near the sea, thus keeping total travel costs low. Early registration to the hotels is advised.

A number of additional activities (tutorials etc.) are planned in the symposium schedule at no extra charge.

More information can be found at  
<http://www.iinf.bas.bg/is>

Big discounts for IEEE members are available.

Draft paper to be received by December 16, 2001

*Vassil Sgurev*  
IS 2002 Co-Chairman  
*sgurev@bas.bg*

*Vladimir Jotsov*  
IS 2002 Coordinator and Secretary  
*jotsov@ieee.org*

## ICECS 2002

15 - 18 September 2002

Dubrovnik, Croatia

### 9th IEEE International Conference on Electronics, Circuits and Systems

The conference is a forum for the exchange of ideas and results. It will include regular technical sessions, plenary sessions, short courses, tutorials, and special sessions. Prospective authors are invited to submit their manuscripts reporting original work, as well as proposals for special sessions and tutorials, in all areas of electronics, circuits and systems.

In addition to general areas, focus areas will include:

System-on-a-chip; Nano technologies and alternatives to silicon; RF CMOS circuits; Integration between design, test and manufacturing; and high-speed and opto-electronic circuits.

Deadline for submission of papers - 12 February 2002

Notification of Acceptance - 23 April 2002  
Camera-ready copies due by 10 June 2002  
Deadline for author registration: June 11, 2002

For more information on the procedures for submission, visit the website <http://www.icecs2002.org>, or contact:

*ICECS 2002 Secretariat  
University of Zagreb  
Faculty of Electrical Engineering and  
Computing  
Unska 3, 10000 Zagreb  
Croatia  
E-mail: [icecs@icecs2002.org](mailto:icecs@icecs2002.org)  
Fax: 385-1-6129-653  
Phone: 385-1-6129-913*

## CCA/CACSD 2002

18th - 20th September 2002

Scottish Exhibition and Conference Centre,

Glasgow, Scotland, UK

### IEEE Joint Conference on Control Applications (CCA) and Computer Aided Control Systems Design (CACSD)

'Scotland in September' welcomes you to the IEEE Control Systems Society

Conference on Control Applications to be held jointly with the Computer Aided Control System Design Conference in September 2002 at the Scottish Exhibition and Conference Centre in the City of Glasgow, a previous European City of Culture. These events, whilst giving control engineers the opportunity to share innovations and ideas in control applications, technology and practice, will also provide a stepping stone to a country rich in history, culture and leisure amenities.

Both conferences will run in parallel. The sessions will be held from Wednesday, 18th September through Friday, 20th September 2002 with workshops on Tuesday, 17th September 2002. There will be one registration fee covering both conferences and all attendees will receive the Proceedings from both conferences.

The 2002 events will cover general industrial control applications but will have a particular theme of process control and manufacturing. This is of course highly relevant to Scotland and the UK, which has a heavy concentration of chemical, petrochemical, pharmaceutical and manufacturing companies. The conference will not however neglect other areas such as marine, aerospace, automotive, robotics and general manufacturing. The conference will include theoretical contributions, which are directly relevant to real applications. These will cover a very wide range of areas from advanced control to fault monitoring and diagnostic systems. Related areas such as system identification, signal processing, expert systems will also be included and regular sessions will be bolstered by specialist workshops. Some of the workshops will be of a basic tutorial nature and others will cover new topics in advanced control for industrial applications. The electronic submission procedure for papers and sessions will be announced shortly.

Papers, Sessions, Workshop Proposals Due: 15th January 2002

Notification of Acceptance: 10th April 2002

Final Camera Ready Papers Due: 10th June 2002

Website Addresses: [www.cca2002.org](http://www.cca2002.org) and [www.cacsd2002.org](http://www.cacsd2002.org)

*Drew Smith*

*drew.smith@eee.strath.ac.uk*

## 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. Please check the **Instructions for Submissions** on the Symposium web site for detailed instructions on file submission and for templates for the Preliminary Manuscripts. Electronic submission is encouraged and should be used when possible.

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

## Conferences *continued*

be received by Monday, July 15, 2002.  
Late submissions will not be considered.

Abstract and Preliminary Manuscripts  
Received - July 15, 2002  
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 exhibition space, constructed stands, showcases, mural display areas and advertisement space in conference publications. Further information on the exhibition can be obtained from the Symposium web site.

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](mailto:emc2003@ortra.co.il)  
Or visit our web site:  
<http://www.ortra.com/emc2003>

Elya B. Joffe  
Symposium Chair  
[eb.joffe@ieee.org](mailto:eb.joffe@ieee.org)

## Calendar of Events

### EDMO-2001

15 - 16 November 2001

Technical University of Vienna, Austria

The 9th IEEE Symposium on Elect. Devices for Microwave & Opto applications. Visit: [www.EDMO-symposium.org](http://www.EDMO-symposium.org);  
Local web: [www.info.tuwien.ac.at/edmo](http://www.info.tuwien.ac.at/edmo)

### ISSPIT 2001

28 - 30 December 2001

Cairo, Egypt.

1st IEEE International Symposium on Signal Processing and Information Technology  
<http://www.ee.ucla.edu/asl/isspit2001.htm>

### Future Trends of Distributed Computing Systems

31 October - 2 November 2001

Bologna, Italy

The IEEE Computer Society will sponsor the 2001 IEEE 8th Workshop on Future Trends of Distributed Computing Systems.

More information can be found on the conference web site  
<http://www.eas.asu.edu/~seg/ftdcs2001/>

Mario Valle  
[mario@avs.it](mailto:mario@avs.it)

### MIC 2002

18 - 21 February 2002

Innsbruck, Austria

Modeling, Identification and Control

<http://www.iasted.org/conferences/2002/austria/mic.htm>

**Scope:** Modeling; Simulation; Identification; Estimation; Control; Optimization; Stability; Robotics; Manufacturing; Automation; Intelligent Systems

### AI 2002

18 - 21 February 2002

Innsbruck, Austria

Applied Informatics

<http://www.iasted.org/conferences/2002/austria/ai.htm>

**Scope:** Artificial Intelligence; Fuzzy Logic; Genetic Algorithm; Knowledge-based Systems; Parallel and Distributed Computing; Architectures; Networks; Scheduling; Software Engineering; JAVA; CORBA; XML; Security; Software Reuse; Web and Internet; Databases; Data Mining; Natural language Processing; Information Systems; Knowledge Management.

### NL 2002

1 - 4 May 2002

Technical University of Berlin, Germany

Networked Learning in a Global

Environment: Challenges and Solutions for Virtual Education

<http://www.icsc-naiso.org/conferences/nl2002>

**Scope:** Telecommunications, computer networks, multimedia technologies, and the World Wide Web have opened up entirely new ways of teaching and learning (across institutions, physical locations, countries, continents, and time zones. Students may work distributed worldwide and neverthe-

less interact in a virtual community.

Academic programs are no longer provided by single institutions only but can be established by networked organizations like virtual universities or virtual faculties.

*Honorary Chair:*

Prof. Dr. Dr. h.c. Hermann Maurer

Chief Scientist of KNOW

Head of IICM and HMS

Graz University of Technology, Austria

[hmaurer@iicm.edu](mailto:hmaurer@iicm.edu)

### INTERMAG EUROPE 2002

28 April - 2 May 2002

Amsterdam, The Netherlands

The International Magnetics Conference (INTERMAG) is the leading conference on applied magnetics and information storage technologies. The Intermag2002 will be held at the RAI Conference Center, Amsterdam from Sunday, April 28, until Thursday, May 2, 2002.

The program consists of an informative set of invited talks, tutorial sessions, oral and poster presentations and an exhibition giving a review of the latest developments in these fields.

For details please visit our website:

<http://www.intermagconference.com>

Interested authors are requested to submit a one-page digest to the conference prior to October 17, 2001. All digests must be submitted electronically through the website of the Intermag. This site will provide detailed instructions on digest preparation and submission. In addition,

# Calendar of Events *continued*

you may also obtain information regarding the conference site, registration, hotel reservation, and the city of Amsterdam at this web site.

*Cock Lodder*  
*Conference Chairman*  
*MESA+ Research Institute-SMI-group*  
*University of Twente*

*P.O.Box 217, 7500AE Enschede,*  
*The Netherlands.*  
*E-mail: j.c.lodder@el.utwente.nl*

## News from IEEE

### University Chooses IEEE as Grad Course Distributor

The University of New Mexico, Albuquerque, USA, has chosen the IEEE to solely distribute three microelectronic graduate courses on video. Each course contains 30 75-minute lectures with an emphasis on practical application rather than theory.

Full course descriptions can be found at the IEEE Online Catalog & Store at "<http://shop.ieee.org/store>."

*The IEEE LEADERSHIP WIRE*  
*29 June 2001*  
*Vol. VI, No. 12*

### National Science Foundation Issues Grant for Deans Summit

The National Science Foundation has issued a US\$121,500 grant to the IEEE for "Taking the Lead," a deans summit on education for a technological world. Other grants for the summit have been received from the United Engineering Foundation, IEEE Life Members Committee and the Semiconductor Industry Association.

For more information, visit "<http://www.ieee.org/eab/precollege/deansummit/index.htm>" or contact Douglas Gorham, IEEE Educational Activities, at +1 941 753 4758 or "Mail to: [d.g.gorham@ieee.org](mailto:d.g.gorham@ieee.org)."

*The IEEE LEADERSHIP WIRE*  
*29 June 2001*  
*Vol. VI, No. 12*

### Call for Sections Congress 2002 Speakers

The IEEE Sections Congress 2002 Program Committee seeks speakers for tutorials and workshops. SC 2002 will be held 18-21 Oct. 2002 at the JW Marriott Hotel in Washington, D.C.

The committee is particularly interested in presenters with experience in the identified subject areas listed on the SC2002 site at "<http://www.ieee.org/organizations/rab/sc/2002/program/suggestions.html>."

Speakers with experience at the IEEE grassroots level are especially wanted.

The deadline to submit the online response form is 15 Sept. 2001.

For more information, contact Cathy Downer, at Mail to: "[c.downer@ieee.org](mailto:c.downer@ieee.org)" or call +1 732 562 5506.

*The IEEE LEADERSHIP WIRE*  
*29 June 2001*  
*Vol. VI, No. 12*

### IEEE Foundation Creates Rapid Response Fund

The IEEE Foundation Board of Directors has established a Rapid Response Fund so it can act on requests for funding that require faster turnaround than under the normal review process. Only projects and activities related to IEEE student and young professional members that further the scientific and educational objectives of the IEEE are eligible.

The maximum allowable grant from this Fund is US\$5,000. To learn more about how to apply for a grant from the IEEE Foundation visit "<http://www.ieee.org/organizations/foundation/html/funding.html>."

*The IEEE LEADERSHIP WIRE*  
*13 July 2001*  
*Vol. VI, No. 13*

### Scout Jamboree Features IEEE-Sponsored Activities

Thousands of Boy Scouts from around the world will have the opportunity to work with IEEE volunteers on Electricity and Electronics Merit Badges at the 2001

National Scout Jamboree being held from 23 July to 1 Aug. at Ft. A.P. Hill, Va., USA.

IEEE President Joel Snyder was to speak at the IEEE eMeritBadges Booth and provide counseling to the scouts.

To support the project, the IEEE developed a range of materials for the event such as manuals for volunteers and instructors, a commemorative patch design, and unique posters and signs for the tent, booth and grounds.

For more information, visit "<http://www.emeritbadges.com/>."

*The IEEE LEADERSHIP WIRE*  
*27 July 2001*  
*Vol. VI, No. 14*

### New Site Helps Teachers and Engineers Work Together

IEEE Educational Activities has launched a new Web site called IEEE Pre-College Educator/Engineers Resource Site (PEERS) to help engineers and educators work together to raise technological literacy at the pre-college level.

The site contains information for classroom volunteers, ways to aid teachers' professional development, and how to get involved in curricula reform.

Visit PEERS at "<http://www.ieee.org/eab/precollege/peers/index.htm>."

*The IEEE LEADERSHIP WIRE*  
*27 July 2001*  
*Vol. VI, No. 14*

### First Joint Award between IEEE and National Society Given

On 7 Aug., Dr. Jorge Heraud Perez received the Elektron Premio IEEE-AEP, the first award ever given by the IEEE jointly with another national society. The award was presented by IEEE President

Joel Snyder and IEEE Awards Board Chair Troy Nagel at INTERCON 2001 in Piura, Peru on behalf of the IEEE and Peru's Asociacion Electrotecnica Peruana.

Dr. Heraud was honored for his extraordinary contributions to the technological development in electronics and his permanent effort in the disclosure and promotion of the benefits of science and technology in Peru. Heraud is a distinguished Peruvian entrepreneur and university professor of electronics.

This award was established through the National Awards Pilot Project led by IEEE Director Emeritus Ted Hissey. It will serve as a model for creating similar joint prizes with other national organizations.

*The IEEE LEADERSHIP WIRE*  
10 August 2001  
Vol. VI, No. 15

### Free Online How-To Guide for Course Design Available

IEEE Educational Activities (EA) has posted an online tool for course designers, the "Reference Guide for Instructional Design and Development," to the IEEE Web site. This how-to guide was developed by EA in partnership with Telcordia Technologies to help individuals design courses and tutorials efficiently and effectively.

This guide will help designers add education value to their tutorials, which can help qualify them for Continuing Education Unit credits. Access this guide is at [www.ieee.org/organizations/eab/tutorials/refguide/mms01.htm](http://www.ieee.org/organizations/eab/tutorials/refguide/mms01.htm).

*The IEEE LEADERSHIP WIRE*  
24 August 2001  
Vol. VI, No. 16

### Microsoft Joins IEEE Standards Association

Intel Corp. and Microsoft Company recently joined the IEEE Standards Association, bringing the total number of Corporate Members to 40. Carl Stork, general manager of Windows Hardware Strategy and Business Development, is the IEEE-SA Corporate Representative for Microsoft. An interview with Stork, at <http://www.microsoft.com/PressPass/features/2000/04-25winhecstork.asp>, explains how Microsoft wants to use standards to work with other software and hardware developers. For more information, contact Ronni Rubenstein, at [r.rubenstein@ieee.org](mailto:r.rubenstein@ieee.org) or visit

<http://standards.ieee.org/sa-mem/corporate.html>.

*The IEEE LEADERSHIP WIRE*  
24 August 2001  
Vol. VI, No. 16

### Growth of Electronic Services Drives 2002 Dues Increase

For the first time since 1996, the IEEE Board of Directors has approved an increase in membership dues. The Board voted at its July meeting to increase base member dues for the 2002 membership year by US\$15 to US\$101. The Board also approved a US\$4 increase to the IEEE-USA assessment and a new Region 1 assessment of US\$2.

According to IEEE President Joel Snyder, during the past five years the IEEE has experienced increased demand for electronic delivery of technical information and member services. The dues increase reflects the costs associated with significant investments in Internet and Web applications.

Among the electronic services the IEEE has launched in recent years are IEEE *Xplore*; the IEEE Job Site featuring IEEE e-Recruiter; the Personal E-mail Alias Service; the Online Catalog & Store; IEEE Spectrum Online; the What's New @ IEEE series of e-mail newsletters; and online membership renewal.

*SCOOP*  
September 2001

## From the Editor

### Farewell

My term as editor is rapidly coming to an end. Our esteemed colleague and friend Roland Saam, from the UKRI Section, will take over as editor at the end of the year. I have every confidence that Roland will be an excellent editor, and serve the needs of our members well. He has considerable experience in IEEE matters and has the members' interests at heart. I will be responsible for the electronic bulletins until December 2001, and my last Newsletter will be the current one for November 2001. The changeover should progress smoothly as Roland and I have been in contact concerning this for some time. You may use the e-mail address [r8news@ieee.org](mailto:r8news@ieee.org) in future to contact Roland.

In the accompanying photograph you see the team of hardworking and dedicated pro-



From left to right: Robin Edwards, Robert Smrek, James Hankard, Alan Schafer, Bonnie Nani (front), Kathy Kowalenko (Editor IEEE's The Institute), James Foglio and Jacqueline Parker.

fessionals who bring you, amongst many other publications, the IEEE's The Institute and the Region 8 News. On behalf of Region 8 I thank Robin Edwards, Robert Smrek, Alan Schafer, Bonnie Nani (front), and Jacqueline Parker, who were directly involved with the production of the R8News

over the years, and with whom I have established such good working relationships. Their hard work and active support has made it possible, not only to meet various deadlines, but also to change some of the material at the very last moment - quite literally with the printing press ready to roll!

It has been both my pleasure and my privilege to be of service to you.

Finally, I wish all of you well, both professionally and in your personal lives.

*Duncan Baker,*  
Editor, R8 News  
[r8news@ieee.org](mailto:r8news@ieee.org)

### Deadline

The deadline for articles to reach the editor for the February 2002 copy of the R8News is 26 November 2001.



**Editor:**

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Jorge-Luis Sanchez-Ponz,  
Madrid, Spain  
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## IEEE region 8 GOLD

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

### What's New @ IEEE for GOLD

The July issue of WHAT'S NEW @ IEEE FOR GOLD (Graduates Of the Last Decade) is already available. WHAT'S NEW @ IEEE FOR GOLD is a monthly, opt-in e-mail update designed to provide you with the latest news regarding IEEE activities, industry trends, career development tips, and new IEEE product releases.

I just include in this e-mail a Table of Contents of the main topics that you can find there.

- 2001 Medals and Awards Recipients
- IEEE Spectrum Special Feature: "Digital Radio Takes to the Road"

- Genes on a PDA?
- The Art of Negotiation
- Compete for IEEE RAB GOLD Awards
- IEEE Credit Card now available in the USA, UK, and Canada
- How many CEU's is that course worth?
- Read the Proceedings of the 51st Electronic Components and Technology Conference
- Unlock Your Untapped Potential for Leadership and Life

A complete HTML version of this newsletter can be viewed online at:  
<http://www.ieee.org/products/whats-new/wngold0701.htm>

To subscribe to this GOLD newsletter, logon to <http://www.ieee.org/whats-new> select GOLD Newsletter of the e-mail alert services, enter your e-mail address and click "Subscribe".

Please keep in mind the chances for IEEE RAB GOLD Awards!

I hope it helps.

Jorge

### Bad Times = GOLD Times!

Share prices were sharply lower on the heels of gloomy data showing an unexpected decline in confidence. Consumers' continued willingness to spend has been credited with keeping the economy out of recession, so the news was particularly unsettling. Confidence is down because people are worried about job security...

But... The future is shaped by those brave enough to ask "What if?" and built by those determined enough to say "Here is now!" "What if those most likely to shape the 21st century could meet now to build the future together?" The GOLD Affinity Groups are the answers.

It is never too early to start building good relationships and networks with your colleagues and GOLD friends during these bad times. If you interact well with your colleagues, chances are you will enjoy going to work everyday and that will show in your work.



Recipients of GOLD Awards at the Region 8 Edinburgh meeting. From left to right they are: Prof Dr.-Ing. Hans L Hartnagel (Germany Section Chair), Prof. Dr. C. Claeys (Benelux Section Chair), Jorge-Luis Sanchez-Ponz (Region 8 GOLD Coordinator), Dr Mohamed I Younis (Egypt Section Chair)

At Region level and as you know the last Region 8 Committee Meeting was held in Edinburgh (1-2 September 2001). You can take a look at the specific GOLD presentation, available at: <http://www-gth.die.upm.es/~gold/activities.html>

The two more important things regarding GOLD specific issues, which came up from the Meeting, are as follows:

“GOLD get GOLD” program: The R8 Committee will reward a GOLD Affinity Group, which helps to establish a new GOLD Affinity Group in other Section, with \$250... So, go ahead!

“Region 8 GOLD Congress”: a final decision has been taken about the Student Branch Congress 2002, and the GOLD Congress 2002. Both Congresses will be held in Egypt next May at the same time. All further information will be given as soon as a more detailed plan is arranged... Thus, keep in touch! I wish to see many of you next May!

Thus, at the dawn of the 21st century, GOLD is an excellent opportunity, gathering key technology and business world players: engineers, technologists, entrepreneurs, industrialists, financiers and others from across the globe. GOLD should be made up of the people determined by their peers to be doing the work of the great long-term significance.

Please, let us know your ideas, comments and suggestions.

*Jorge-Luis Sanchez-Ponz*

### IEEE GOLD Rush Newsletter

My name is Enrico. I just took over the volunteer job of IEEE GOLD Rush Newsletter Editor in our Region, at first, for the next issue.

Worldwide there is the GOLD newsletter. The GOLD newsletter has been inactive for a long time. We could show activities around the world more frequently and, when a new GOLD group is formed, that would give them some space to talk about their new GOLD Affinity Group and their Section. The GOLD newsletter would be something really useful. Right now, we are missing a lot of information and chances...

The basic idea is to have a main topic for each issue and get some articles about this topic (the IEEE Proceedings is a good example). We are looking for papers in subjects of interest for young engineers with a widespread field of activity.



From left to right: Assoc.Prof.Dr. Ezhan Karasan, Bilkent University Electronic Engineering and IEEE Turkey Section Vice Chair, Cenk Atlig, Research Assistant at EMU Computer Engineering and IEEE EMU Computer Society Student Branch Chapter Chair, Asst.Prof.Dr. Muhammed Salamah, EMU Computer Engineering Vice Chair and IEEE EMU Computer Society Student Branch Chapter Advisor, Asst.Prof.Dr. Isik Aybay, EMU Computer Engineering Chair, Prof.Dr. Ufuk Caglayan, Bogazici University Computer Engineering and Nihal Gungor, Alcatel Turkey.

For the next issue, I would like to try to collect papers on a matter that, for us living in Region 8 (Europe, Africa and Middle East) is very important: stimulate an increase the international mobility.

Is there anyone of you who has something to say on the subject? Is there anyone of you who is interested in this subject? Send me a written essay about your ideas, needs, experiences and horror stories.

If there is some feedback, then we could also broaden the GOLD Newsletter scope a bit by including general technical overview papers of some cool practical applications by members in addition to section-specific programs.

Let me know if you want to take part in this experience. Thanks in advance!

*Enrico*

*Dr. Enrico Piazza - Development Engineer  
Park Air Systems AS - Division NOVA  
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Ph. +47-23123738, Fax: +47-23123710*

### IEEE GOLD in North Cyprus

Between 21st and 22nd of June 2001, Eastern Mediterranean University Computer Engineering Department has successfully organized BAS'2001 and TAINN'2001 conferences. We, IEEE EMU Computer Society Student Branch Chapter, have been heavily involved in these two conferences. We have organized an IEEE conference team, where each member had individual contact with visitors. We introduced IEEE organization in general and GOLD program in particular to many students and academicians. With

that opportunity, we could add some new members to IEEE family.

Different IEEE materials and especially IEEE GOLD Table-Top Exhibit have been used. We are grateful to Cathy Downer, IEEE Regional Activities Project Manager and Jorge-Luis Sanchez-Ponz, IEEE Region 8 GOLD Coordinator for their logistic and wonderful moral support.

Although, most of the participants were from Turkey and North Cyprus, there were also a number of participants from different locations of the world. We believe in that in our conferences many people have expressed very positive messages about IEEE and especially about GOLD program. Together with the supplementary materials sent from IEEE Piscataway, our efforts got successful results. We have also distributed our brochures, which introduce our chapter.

Now, we are forming a new IEEE GOLD Affinity group in our university. As an initial but important activity, we are visiting local industry and having agreements for our activities. I strongly encourage all GOLD friends to contact with Cathy Downer and Jorge-Luis Sanchez-Ponz, who are wonderful team worker and friends looking for cooperating with new friends. I also invite you to contact with us, we will be glad to cooperate with all IEEE and GOLD friends.

Best wishes from Eastern Mediterranean University.

*Cenk Atlig  
IEEE EMU Chapter Chair  
URL: <http://ieee.cmpe.emu.edu.tr/>  
[atlig@ieee.org](mailto:atlig@ieee.org)  
FAX: +90-392-365 0711*

## Editorial

Hi folks,

You might remember the report Mischa gave about the spring Region 8 meeting he attended to give a boost to the foundation of more Student Branches in the United Kingdom / Republic of Ireland section. Well, I just got the new statistics from our SAC Chair Christian, and an increase of student membership of 16% and the establishment of 6 new branches in the UKRI section in 6 months don't need any further comment. Mischa, Jorge, and Giorgia have done (and continue to do) a terrific job!

As you read this issue, there are only a couple of weeks left before the deadline to the Region 8 Student Paper Contest on December 15. So if you are working on your graduate thesis or any other kind of paper you might want to turn in, keep that in mind and have a look at

<http://elfo.die.upm.es/~macias/r8sac/docs/sprules2000.pdf> for a current version of the contest guidelines.

Please note that the maximum length of the paper has been shortened to 6 pages to allow for more efficient reviewing and also note that you must be a member of a Student Branch (not only a student member) at the time of submission. You don't have a Branch but want to enter the contest?

Establish one! It's easy and definitely one of the best occasions to do so. Contact our SPC coordinator Martin Bastiaans ([M.J.Bastiaans@ele.tue.nl](mailto:M.J.Bastiaans@ele.tue.nl)) with any questions you might have about the contest.

Jens

## Student Branch Congress 2002

I'm glad to announce that a final decision has been taken about the Student Branch Congress 2002.

During the R8 Meeting held in Edinburgh on Sept. 1-2, the Region 8 Committee decided to accept the proposal coming from Egypt. The Congress will then be held in Egypt next May; all further information will be given as soon as a more detailed plan is arranged.

SAC members would like to express their thanks for all other proposals, which were sent to us during the past few months. We hope that the enthusiasm you showed will be kept at these high levels.

I wish to see many of you next May!

Giorgia German

IEEE Region 8 Student Representative  
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## Student Paper Contest 2001 Results

Here are the results of the IEEE Region 8 Student Paper Contest 2001:

**1st prize - \$ 800:** Johann Groszschaedl (Graz University of Technology, Graz, Austria), "Area-efficient VLSI implementation of arithmetic operations in the binary finite field  $GF(2^m)$ "

**2nd prize - \$ 500:** Arjan Meijerink (University of Twente, Enschede, Netherlands), "Performance improvement of a generalized coherence multiplexing system."

**3rd prize - \$ 200:** Matjaz Divjak, Ales Holobar, and Iztok Prelog (University of Maribor, Slovenia). The paper was presented by Ales Holobar, "VIDERO - Virtual delivery room."

Martin Bastiaans,  
SPC Coordinator

## Region 8 Student Awarded Prize at History of Telecommunications Conference

Cornelia Connolly of University of Limerick SB, Ireland, represented IEEE

Region 8 in the student paper competition at the 2001 IEEE Conference on the History of Telecommunication, held in St. John's, Newfoundland, Canada, 25-27 July 2001.

Besides representing Region 8, Cornelia won third place in the graduate division for her paper, "The History of Telecommunications in Ireland." Therefore, under a grant from the IEEE Foundation, the Branch will be receiving an honorarium of US\$150.

In addition to submitting an excellent written entry, Cornelia's poster session presentation, where she focused on the social conditions in Kerry during the operation of the cable stations, was extremely well received.

Martin Bastiaans,  
SPC Coordinator

## Engineering in Medicine and Biology Society (EMBS)

EMBS is a technical society, and our members have an interest in biomedical engineering. Members range from clinical and biomedical engineers to medical doctors and physicists. We have over 1000 student members, and would like to invite more students to join us!

EMBS provides students with lots of resources and opportunities to learn about biomedical engineering, or to keep up with the advances in this rapidly growing field. You'll find 10 good reasons to join EMBS on our student website ([www.embstudents.org](http://www.embstudents.org)). The cost of student membership in EMBS for IEEE student members is \$8 US per year.

EMBS chapters and clubs are a great way to get students with an interest in biomedical engineering involved with IEEE student branches. We realize that it may be difficult to start a chapter, so we've developed EMBS clubs as an alternative. Clubs require only 1 person (advisor or student) to be an EMBS member. Chapters and clubs receive free resources on biomedical engineering, and are eligible to apply for matching funding for local events or projects. Examples of events held by our clubs include a speaker series on topics in biomedical engineering, talks by medical students on writing the

MCAT, and tours of local biomedical companies. To help with establishing an EMBS Club, we can provide a complimentary copy of the EMBS Career Video on Biomedical Engineering and provide a poster for membership recruitment.

I'd appreciate it if you'd let students in your area know about EMBS and our student programs. Please contact me if you have any questions!

*Best wishes,  
Elise Fear*

*EMBS student representative*

## STUDENT BRANCH NEWS

### Egypt

**Bridging the Gap between Academia and the Industry**

Networking the world is an IEEE goal. We at the HTI SB in Egypt not only managed to link the students from our institute with different universities through conferences and Internet-based discussions, but also managed to network the scientific community with the industrial one represented by worldwide technological companies like NCR, Hi-tech Pioneers, EGTI, and ValueSys Egypt.

I will explain briefly our networking experience in two cases. The first happened with EGTI (Egyptian German Telecommunication Industries), - SIEMENS AG holds 75.2% of the company's shares. We organized a seminar named "New Telecommunication Techniques". Atef Shata from EGTI explained new technologies in DSL and ISDN and also focused on the academic-industrial relationship. EGTI agreed to educate some selected students in its training center and also promised to organize other similar seminars and lectures. "I think these seminars help us -the students- to interact with industry and to transform theoretical studies into practical ones" said Muhammad Majed, HTISB vice chair and industry relations coordinator.

The second case is ValueSys Egypt, the new industrial software house that agreed to organize seminars that explains topnotch technological concepts such as Java in telecommunications.

*Ahmed El-Safty  
Chairman HTISB  
A\_elsafty@ieee.org*

### Iran

#### Amirkabir SB Award

On behalf of the Amirkabir SB we congratulate the Amirkabir "ROBOTECHNIQUE" group, which was selected as recipient of the first intelligent mouse award in the field of finding cheese. We wish them best of luck and we are waiting to hear further news of their success.

On the third and fourth of August, the first intelligent mouse competition was held by the Azad University of Tabriz SB. Fifty groups competed with each other in three fields: finding cheese, line persecu-

students will receive information about IEEE student membership benefits. Our branch will announce its upcoming programs and goals.

EXPERIO (exhibition of periodicals): Along with this ceremony an exhibition of all IEEE magazines and related society publications will be held. The main purpose of this exhibition is to raise student awareness of the extended field of electrical engineering and related research and innovations. Questionnaire: As one of the facts of continuous progress of IEEE is to respect and welcome the new ideas of its members around the world, some forms are prepared to reflect the ideas of our members to this institution.

This gorgeous day will be ended by an Iranian music concert. We will take every effort to hold the ceremony as magnificent as possible.

*Shabnam K. Javid, Secretary  
IEEE Student branch  
Amirkabir University of Technology*



From left to right: Ogiso Ovie (Student Branch Chair), F. Okpara (Lecturer), Otu Samuel (Branch Secretary), Dr. A.O. Ibe (Head of Department), Isaac Adekanye (Section Chair), Tam Oje (Lecturer), I. Sofimeari (Lecturer), and Olungwe Dagogo (Financial Secretary).

tion, and detecting the path. Two teams from our faculty participated in this competition in two the two different fields of finding cheese and line persecution.

#### IEEE Day

We have named the 16th of October as IEEE Day in our faculty because two years ago at this day we thought of establishing an IEEE student branch for the first time. We will have a ceremony on this date with some lectures included and

### Nigeria

#### NAUSB Goes Great

Does the name sound strange to anybody? Well, NAUSB is one of the IEEE student branches formed sometime in the first quarter of the year 2001. Even though we officially applied to student services in May, we had carried out lot of activities especially in creating awareness and membership campaigns.

It is my pleasure to let you know that

the NAUSB is presently enjoying good growth and promises to be one of the most active in R8.

A lot of regards to the Nigerian section chair, Mr. Isaac Adekanye and other members for their good efforts.

NAUSB is equally enjoying good support from the university and the industry. The last meeting of the first semester was held on the 25th of July 2001. A lot of activities have been slated for the next semester. These include branch inauguration, technical excursions, exhibitions, sports activities, seminars, etc.

Additionally, the NAUSB Secretariat will be commissioned this period.

Please, folks, write and tell me about your student branch and activities and let's keep networking the globe. See you next year!!!

*Igboanugo Charles  
Chair, IEEE NAUSB  
anugo@ieee.org*

## Tomsk (Russia)

In this message I would like to briefly report about the "know-how" of the Tomsk Student Branch. To share information about IEEE activities in Siberia and the Tomsk SB an e-mail list has been created. Its URL is <http://subscribe.ru/catalog/tech.siberia/>

The e-mail list is intended for Russian-speaking participants, because our main problem is attraction of new members, especially students. By means of our list the participants regularly receive the information on scientific conferences, programs, research grants, and news of the Tomsk Chapter and Student Branch. The main emphasis is laid on information about IEEE benefits and where to publish students' scientific papers.

We are receiving many letters from students and scientists who are interested in IEEE activities and IEEE membership. Today there are more than 1000 list subscribers, and 60% of them live outside

Russia. This shows the great opportunities the Web provides for the description of IEEE activities in the Siberian region and growing interest in the IEEE. We are sure that the list promotes our activities very well.

At present the "subscribe.ru" service is the best holder of more than 2000 e-mail lists in the world. The service "subscribe.ru" (and its English version "felist.com") allows the maintainer of an e-list to receive a profile of subscribers with generalized statistics from questionnaires, which each subscriber fills out. Statistics of our list shows that there are about 40 percents of subscribers related to radio engineering and electronics. Half of the subscribers are between 18 and 25 years of age, 17% are women, the third part holds an M.S., and only one tenth another scientific degree.

We have named our virtual e-list "Siberian Section of IEEE" in a hope that our activity will promote the creation of a Siberian Section. There are no doubts that the list has established and enhanced new contacts between participants, and increased IEEE membership by means of Siberian savvy resources.

*Oleg Stoukatch  
Founder of the Tomsk IEEE Chapter &  
Student Branch  
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<http://me.tusur.ru/~tieee>  
<http://www.tusur.ru/ru/subdivision/ieee>*

## Items Published in the R8 Electronic Bulletins

Due to increasing pressures on available space, items which cannot be accommodated in the printed Region 8 News are published electronically on its website: <http://www.ewh.ieee.org/reg/8/> or <http://www.ieee.org/regional/r8/>. The editor apologizes in advance for any inconvenience this may cause.

1) News from Student Branches in Jordan was published in the September 2001 Electronic Bulletin

2) It was planned that in the October 2001 Electronic Bulletin there would be:

- Further news from Iran, including a tribute in memory of the late Prof. Akbar Adibi by the Amirkabir Student Branch
- News from the Port Harcourt SB, and
- METU, Turkey SB.

## Deadlines and Upcoming Events

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

**December 15 - Student Paper Contest deadline**

**February 28 - Outstanding Counselor Award nominations due to Student Services**

**March 1 - Half—Year dues cycle begins**

**March 1 - Outstanding Student Award recipient should be named to Student Services. Allow 4 weeks for preparation of certificates (and additional time for mailing)**

**May - 3rd Region 8 Student Branch Congress in Egypt**

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