IEEE Region8news

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

http://www.ieee.org/r8/

◆ IEEE

Russia Northwest; Russia Siberia – New Sections

The IEEE Russia Section was formed in August 1990. This was partly associated with an initiative from a few IEEE Societies which decided to subsidise the formation of Chapters in various places in Central and Eastern Europe, taking into account the promise for the future of the changes in the economic and political situation, and allowing for the extremely low salaries of engineers which made IEEE membership too expensive even at the half-dues rate. The Region 8 committee also supported these developments over the past decade, providing funding for Chapter Chairs meetings and help with conference organisation.

These and other developments led to very successful growth of the Russia Section and its activities – with many Chapters being formed and many Conferences taking place. The credit for these developments has been recognised by several awards to the Russia Section volunteer leadership. The contribution of Dr. Heinrich Lantsburg is particularly notable and has been mentioned several times in Region 8 News.

Language Skills

Nevertheless, the actual growth in IEEE membership numbers has been slow and still falls far short of its potential. The Russia
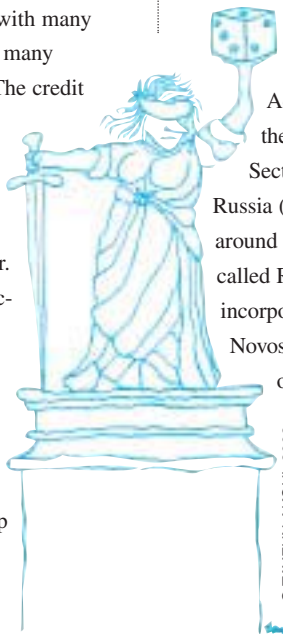
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Section occupies a huge geographical area, within which there are many highly qualified engineers and scientists. These engineers, for the most part, have rather low salaries, their working environments are often poorly provided for, and many do not possess the English language skills to easily benefit directly from IEEE publications. Therefore it can be expected that the continued expansion of IEEE membership and therefore participation in IEEE activity, will continue to be a slow process.

Compared to a similar geographical area in, say the United States, one could expect an area the size of Russia to eventually contain many separate Sections rather than being just one huge Section.

Therefore, to prepare for the future development of IEEE in Russia, an additional step has now been taken. In February, the Regional Activities Board of IEEE approved the formation of two additional Sections in Russia. One, called Russia (North West), covers the area around St. Petersburg, and the other, called Russia (Siberia), covers an area incorporating such cities as Novosibirsk, Tomsk and Irkutsk. Each of the new Sections will take over responsibility for the Chapters and Student Branches in its geographical area. The remainder of the territory of Russia will remain the responsibility of the former Russia Section.

This is a dramatic change, which it is hoped will lay a good foundation for future development of IEEE, and will be in the long term interests of the Electrical and Electronics Engineers throughout Russia.

This is therefore an appropriate moment to thank all those who have contributed to the development of IEEE in Russia up to the present time, and to wish all three Russia Sections a prosperous and successful future in the IEEE family.

A.C. Davies, 4 March 2003

Editor's Ramblings...

The R8News is delivered to more than 50,000 IEEE members in our region.

How many persons read none, some, or all of it? When is it read (upon delivery, or later)?

Every issue my challenge is to have more readers, so I look forward to receiving e-mails which comment about the newsletter, and what you want to see in it.

In this issue I hope there is something of interest to everybody: student, associate, member, active, or inactive, volunteer or not. Please let me know - email r8news@ieee.org.

Welcome to Mario DeWeerd - page 17 - "Graduates Of the Last Decade (GOLD) is there for you to make contact with others who got their first professional degree within the last ten years?"

Basak Yuksel, our Student Representative, invites you to meet the 2003 R8 Student Activities team on page 20 and 21. Martin Bastiaans informs us about the R8Student Paper Contest. Christian Borgert says about Awards, "There's money on the table - let's take it!"

Another first for R8News: two book reviews - a text on Electric Drives with a new angle suitable also for self-learning; and my first review - Exposing Electronics - pages 18 & 19.

Updates on Chapter activities, conferences, new sections, announcements... enter the May Photo Contest - new prize is a valuable IEEE Millenium SWATCH - this has to be the easiest contest ever!

Reminder - Advertise in Region 8 News - at reasonable cost, with unique readers (you), this is a real opportunity to market your campaign to Region 8 professionals: contact IEEE Media on +44-131-660-6605 email: ht.ieeemedia@ieee.org

I hope there is something in this issue to delight you.

Roland Saam
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REGION 8 CONTACTS

Help Desk Members:

Members, students, applicants may have all their questions answered by contacting the Help Desk volunteers. Please use this service freely. Information on what, where, when, how regarding membership, payments, procedures. IEEE member and affiliate inquiries from Region 8 should be sent to: member-services@ieee.org

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Advertisements of interest to Region 8 news are welcome. Prices, deadlines, and information – contact Hilary Turnbull, IEEE Media Telephone +44 131 660 6605 e-mail: ht.ieeemedia@ieee.org
Region 8 Website: www.ieee.org/r8
Student Paper Contest – contact Martin Bastiaans: m.j.bastiaans@ieee.org

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

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REGION 8 Fellows elected Class of 2003

Region 8 is particularly pleased to announce that the following of our colleagues have been honoured by the IEEE with the highest membership honour they can achieve. On behalf of the Region 8 Committee and the entire membership of Region 8 we congratulate them on their achievements which led to this singular recognition. Where possible, the Fellow's affiliation has also been given. Full details, including addresses and the citation, are available on the IEEE website at the Fellows Class of 2003 page

Benelux Section
Prof. Meint K. Smit
Eindhoven University of Technology
Eindhoven
Prof. Stefan Michel Steyaert
Katholieke Universiteit te Leuven
Leuven-Heverlee

France Section
Prof. Michel Barlaud
Valbonne
Dr. Prosper Chemouil
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Dr. Josiane Bernadette Zerubia
INRIA, Sophia Antipolis

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ETH, Zurich
Prof. Hans Peter Geering
Winterthur
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Swiss Federal Institute of Technology
Zurich

Israel Section
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Tel Aviv University, Tel Aviv

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North Italy Section
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Dr. Claudio Cobelli
University of Padova, Padova
Prof. Silvano Donati
Universita Di Pavia, Pavia
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Bergen Subsection
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University of Bergen, Bergen

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University of Glasgow, Glasgow
Prof. Denis R. Hall
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New Malden, Surrey
Prof. Xin Yao
The University of Birmingham, Birmingham

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Technical University of Braunschweig
Braunschweig
Dr. Reiner W. Hartenstein
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Alameda, CA

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Bogazici University, Istanbul
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ISIK University, Istanbul

Russia Section
Dr. Vladimir I. Levenshtein
Moscow

Yugoslavia Section
Prof. Veljko Milan Milutinovic
Belgrade

IEEE Region 8
EUROCON 2003

**The International Conference on
COMPUTER AS A TOOL**

Ljubljana, Slovenia
September 22 – 24, 2003   **http://www.eurocon2003.si/**

Challenges to IEEE's Future

I write this while there is a prospect of military operations within Region 8 which could have a major impact with unpredictable long term consequences, It is inappropriate for IEEE to a take any position or express any views about such matters, so instead I simply offer a quotation:

"The evolution of Sections, Regions, Student Branches and Professional Groups, the growth in stature and size of the publications of the Institute, the influence and activity of its Technical Committees – all are a tribute to the past, a credit to the present, and hold a promise for the future of the Institute"

This may look to you like an accurate description of IEEE today but it was published in 1952 [A] to describe the Institute of Radio Engineers (IRE), one of the two organisations from which IEEE was formed in 1963. The 'promise for the future' has been amply fulfilled. Let us hope that the next half century will be as successful for IEEE as the last was.

Two particular challenges do face the future of IEEE: the membership age-profile and publications.

The average age of members (excluding students) is steadily increasing in most parts of the world. Similarly among the volunteer leadership, increasing numbers of grey-haired and bald heads can be observed. This suggests that a decreasing proportion of mid-career engineers find it worthwhile to join IEEE and to become actively involved. Clearly it is not good for IEEE to be dominated by students (many of whom leave IEEE upon graduation) and retired engineers.

The 'digital revolution' is changing the publications process in a dramatic manner, with uncertainty over the future place of and need for printed technical literature, combined with rapidly-changing economics for the provision of electronic access. The impact may turn out to be as great as the invention of the printing press, but the long term economic consequences for IEEE and other organisations which rely in publishing technical literature for a major part of their income are unpredictable and could be catastrophic for some if not managed correctly.

Living in uncertain times is both a threat and a challenge! Fortunately, engineers are educated and trained to solve problems, and you may feel that they are better able to do so than politicians, lawyers and financial advisers.

Ref. [A] 'The Genesis of IRE', Proc. IRE, Vol 40, no 5, May 1952

IEEE STANDARDS

Fourth in a regular series on standards in Region 8

IEEE-Industry Standards and Technology Organization (ISTO)

Standards and Specifications Consortia

Competition is increasing and technologies are developing faster and faster. The formal consensus building process of the established Standards Organizations is sometimes not satisfactory to meet market needs. As a result, industry has created new mechanisms like **consortia** to establish consensus on a particular specification.

Standards are most appropriate where the technical domain is mainly infrastructural (the basic physical structures -buildings, roads, power supplies- needed for the operation of a society or enterprise), or where the constituency of market actors is very broad and/or where public interest is affected.

Consortia are preferred where the choice among competing technologies can be left to the market, or where a group of industry actors does not want to share a particular technology with the public, or where there are economic reasons and/or where only a limited number of companies is affected.

IEEE-ISTO was established on 1 January 1999 as a not-for-profit corporation which is affiliated with the IEEE and the IEEE Standards Association (IEEE-SA). The IEEE-ISTO offers industry groups (e.g. consortia, special interest groups, alliances, forums, working groups) an innovative and flexible operational forum. It offers support for development and post-development standards and technology development activities.

The IEEE-ISTO operates as an umbrella legal forum for industry groups to operate without the need to incorporate themselves as legal entities. Industry groups can define their unique rules and procedures (e.g. scope and nature of technical program, membership, voting, consensus requirements, structure) to build a foundation tailored to their technology, their market, participants, timing, and financial and human resources.

Groups organized within IEEE-ISTO can publish their outputs on their own or through the IEEE-ISTO. The resulting publications, standards and specifications can then be submitted to other standards bodies (e.g. IEEE, IEC) for adoption.

To summarize, the IEEE-ISTO provides a forum not only to develop standards, but also to facilitate the activities that support the implementation and acceptance of standards in the marketplace.

Examples of ISTO activities are the
• Broadband Wireless Internet Forum
• Customized Learning Experience Online Lab
• Medical Device Communications Industry Group
• VoiceXML Forum

For more Information see www.ieee-isto.org.

Contributed by Ingo Ruesch, Standards Coordinator Region 8 Iu.ruesch@t-online.de

Recognizing The IEEE Global Identity

What do the IEEE Austria, Denmark, France, Iceland, Jordan, Poland, Saudi Arabia, and UKRI Sections have in common? They all support the IEEE global identity by using the IEEE Master Brand on their Web sites. The IEEE Master Brand is the IEEE logo (diamond-shaped emblem) with the letters I-E-E-E to the right. It can be seen on the Region 8 Website, in the upper left-hand corner of www.ieee.org, and on the front page of this newsletter, among many other places throughout the IEEE.

Since the Board of Directors approved the Master Brand design in November 1999, the IEEE has been building a more consistent visual image around the world. This provides the instant recognition necessary for the success of a global organization. Prominent use of the IEEE Master Brand makes it easy to identify organizational units and events as being a part of the IEEE. It also allows members and non-members to associate Web sites, print or electronic publications and other IEEE materials with highly regarded information that comes from leaders in the wide range of IEEE technical fields.

If you're wondering if your Section's Web site or newsletter is using an out-of-date logo. Check the handy IEEE Master Brand Reference Guide at www.ieee.org/mbreferenceguide.

If you need to update your site or other materials:

Download the latest version of the IEEE Master Brand (in a variety of formats) at www.ieee.org/masterbrand or use the Web Templates for Sections at www.ieee.org/web/developers/design.

Download the IEEE Identity Standards for details on the correct usage of the IEEE Master Brand at www.ieee.org/identitystandards.

For usage questions, contact copyrights@ieee.org or, corporate-communications@ieee.org

Region 8 Microwave Theory & Techniques Society Chapter Chairs Meeting

T he annual meeting of the Region 8 Microwave Theory and Techniques Society (MTT-S) Chapter Chairs was held at the Jolly Hotel President in Milan, Italy, on Sunday, September 22, 2002. This was a day before the commencement of European Microwave Week 2002 (EuMW'02) and the 32nd European Microwave Conference (EuMC), the biggest microwave event in Europe.

The local organising committee headed by Giovanni Ghione, Chair of the North Italy Joint Chapter MTT/AP (Antennas & Propagation) prepared a comfortable milieu with high class services for participants and guests.

The main purpose was to bring the Society's officers and AdCom members,

B. Zajc and R. Weigel present successful Conference organisation.

the officials managing EuMW, in particular EuMC, into contact with the Reg. 8 volunteers.

Peter W. Staecker, Director of Division IV (and 1993 MTT President), described the structure of the IEEE, MTT-S, and clarified the operation, tasks and interconnections between the particular boards, committees, divisions and chapters inside MTT-S. He then explained the goal and concept of the **MTT Gallery project**.

Baldomir Zajc (Member of R8 Committee and candidate for 2004 R8 Director) then discussed step by step how a good conference is prepared, dealing with major aspects of the process, and illustrated his talk with examples from EUROCON 2003.

Richard A. Sparks, MTT-S Administrator, provided information about a wide spectrum of services which MTT-S provides for the chapters.

Robert Weigel, MTT-S Reg. 8 Coordinator, reported on conferences, workshops, seminars and meetings held during the last year.

Jozef Modelski, Chairman of the AdCom Membership Services Committee, presented a summary on the Joint MTT/ED Initiative for Aiding Eastern Europe and the Former Soviet Union (1993-2002). He announced the new 2003 MTT-S

MTT-S Chapter Chairs Dinner -
Olha Zamorska and Peter Staecker –
Director Div IV

Membership Fee Subsidy Program for Low Income Regions, specifying main items and indicating the changes made in comparison with the previous Initiative. Peter W. Staecker then spoke about the Distinguished Lecture Programme.

Robert Sorrentino, Chairman of the EuMA Board of Directors, welcomed the participants.

The six-hour meeting, in which 30 chapter representatives and guests took part, was completed by a reception and dinner. Chapter Chairs received Certificates of Appreciation from MTT-S for their contributions.

Jan Zehentner
MTT-S R8 Vice Coordinator

Section and Chapter News

The IEEE Regional Activities Board approved formation of the Russian (North-west) Section, which covers a territory of 1800 thousand square km, and has a population of 15 million. This includes St. Petersburg, capital of the Russian North-west Federal Okrug.

The First Annual Conference of the new Section is planned for 10th June 2003 in St. Petersburg. It will include a Scientific session with the presentation in English of fifteen papers, and will also incorporate the Section Officer elections and the formal approval of the Section Bylaws.

All papers will be published in the 'Proceedings 2003' of St. Petersburg IEEE members.

Although the St. Petersburg area has a huge engineering potential, real IEEE activity started only during the last decade. Currently there are 136 IEEE members and four Chapters. The first IEEE Student Branch is in the process of formation at the Electrotechnical University in St. Petersburg.

These events are taking place in a special year, the 300th anniversary of the founding of the City of St. Petersburg.

Alexander Mikerov
Interim Section Coordinator
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Ukraine IEEE/LEOS Chapter:
"Today and the Future"

Ukraine LEOS Chapter was founded in Kharkov in May 1998 and became a separate chapter of the Laser and Electro-Optics Society at the beginning of 2001. During this short time Ukraine LEOS Chapter was awarded "Most Innovative Chapter" (2000) and twice given the award for "Largest Membership Increase" (2001 and 2002).

In 2002 we organized the International Workshop on Laser and Fiber-Optical Network Modeling (LFNM'2002). Our attention was principally directed toward students' activity, short seminars and support for young scientists.

It is important to indicate that LFNM'2002 was held the first time on the foundation of two universities: *V.N.Karazin Kharkov National University and Kharkov National University of*

Radio Electronics. There were three days of feverish activity, during 3rd – 5th of June 2002 and we are proud of the help from our new LEOS Student Branch which now consists of more than 30 members.

The 4th Workshop program included 8 invited papers, 43 oral presentations, including presentation from Germany, Sweden, Canada, France etc.. 41 poster presentations and workshop topics 'Lasers and resonators', 'Optical fields and systems' and 'Photonics'.

Our IEEE Student Branch LEOS Chapter has more than 30 students. LEOS projects are focussed on semiconductor laser physics and the laser simulation package LaserCAD III, which allows us to observe lasers directly while reading lectures via Internet.

Our proposal to organize a new all-regional Conference in the area of optoelectronics was brought forth at the last workshop in Kharkov. The **International Conference on Advanced Optoelectronic and Lasers** (CAOL'2003) will be held in the Alushta, Crimea, Ukraine (a region like French Rivera), from 16 to 20 September, 2003. CAOL'2003 will provide a forum for experts in laser physics and optoelectronics.

We plan to hold this conference with collaboration of all LEOS Chapters in Region 8, especially with Poland, Turkey, Belorus, Russia, Bulgaria and other Chapters. **Welcome to Crimea in September 2003**!

Contributed by

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International Workshop on Laser and Fiber-Optical Network Modeling 2002.

Kevin Warwick,
World's First Cyborg?

IEEE UK&RI Section
"A Cyborg Future?"

United Kingdom & Republic of Ireland Section held its Annual General Meeting in the evening on Wednesday, 12 March 2003

Kevin Warwick, Professor of Cybernetics at the University of Reading, UK talked about the Cyborg/implant work he is doing. In 1998 he shocked the international scientific community by having a silicon chip transponder surgically implanted in his left arm. A series of further implant experiments have taken place in which Kevin's nervous system was linked to a computer.

He was able to control a robot hand and drive around a wheelchair directly from his own nervous system. He also described feeding extra (ultrasonic) sensory information and deriving a new form of communication directly from one nervous system to another- something that will ultimately realise thought communication.

These experiments probably earn him the distinction of becoming the world's first Cyborg. A Cyborg is a Cybernetic Organism, part human part machine. In a possible cybernetics world, machines have intelligence more powerful than humans, and therefore robots, not humans will make all the important decisions.

Kevin's latest book "I, Cyborg" explores the possibility that human capabilities can be directly enhanced with surgical methods to add extra sensors for input, and computers for richer communication. www.kevinwarwick.com gives a full account of his experiments and achievements.

This fascinating and well attended lecture concluded a long day of section volun-teers' meetings. UK&RI has some twenty chapters and welcomes your visit to its website www.ieee.org.uk

Roland Saam
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Engineering in Medicine & Biology
UK&RI Chapter Invites R8 Participants

The chapter has recently concentrated its activities on emphasizing its links, and encouraging, the next generation of Biomedical Engineering scientists. We strongly believe that taking care of our student population will pay dividends for the Biomedical Engineering community in the not too distant future.

The chapter co-organised, along with the IEEE UK and Republic of Ireland EMB Student Society, the first national conference for Postgraduate Students in Biomedical Engineering at Aston University, Birmingham over 2 days in July 2002. Over 40 postgraduate students working in fields of research associated with biomedical engineering and medical physics attended this event.

The conference theme was "Interfacing Engineering Expertise with Medical Applications: Academic and Industrial Perspectives." Platform and poster presentations emphasized the diversity of research in the UK & RI.

Prizes for presentations were donated by EMbody Biosignals and GE Medical Systems were awarded whilst Oxford Biosignals cosponsored the welcome reception. It was an excellent environment for first-time presenters and a good place to meet and discuss with peers.

The Second IEEE UK&RI Postgraduate Conference on Biomedical Engineering and Medical Physics will be held on 14-16 July 2003 and this time we are open to delegates from Region8. More information about this conference can be obtained here: http://ewh.ieee.org/sb/ukriembs/Conf2003/.

The chapter will also be co-sponsoring the fifth of a successful series of International Conferences on Neural Networks and Expert Systems in Medicine and Healthcare (NNESMED) in Sheffield in July 2003. A series of informative and topical talks on aspects of biomedicine are planned for 2003 in London and in Birmingham.

If you would like further information about the chapter or any of its activities, contact chapter chair, Dr Christopher James, at c.j.james@ieee.org and please check out our website which I update regularly.
ewh.ieee.org/r8/ukri/embs

IEEE Jordan Section
Promotes Industrial Relations

The lecture of H.E. Dr. Haliaqa was organised by IEEE Section Jordan, attended by some ministers; managing directors of Jordan Industrial corporations; professors of Jordan Universities; students who talked about the concepts and goals of their research. The progress of development in research at different global companies was compared.

To encourage research in industries of Jordan, and gain rewards from return on investment, there needs to be coordination among the universities and industries. Speaking about legal procedures for trade marks, it was agreed to establish a committee to find the tools to develop the industry.

Dipl. Eng. Hamed Nababteh, Secretary IEEE/Jordan introduced the Lecturer and chaired the panel discussion.

Section and Chapter News *continued*

Visit of IEEE Vice President for Education Activities to Kuwait Section

The IEEE Kuwait Section seized the opportunity of the IEEE V.P. for educational activities, Dr. Lyle Feisel visit to Kuwait and invited him for a meeting.

Dr. Feisel was on an official visit to Kuwait University Engineering School.

The IEEE Kuwait Section Chairman, Engr. Abdul Rahman Al-Ghunaim, the section's Board members, and the Chairman of the Electrical Engineering Dr. M. Said, discussed with Dr Feisel several issues which concerns the Kuwaiti section members, both the student body and other members.

The meeting was very beneficial to us.

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Germany
IEEE Joint IAS/PELS/IES

The Joint IEEE Industry Applications Society, Power Electronics Society and Industrial Electronics Society (IAS/PELS/IES) German Chapter developed from the IEEE-IAS German Chapter which was founded December 18th, 1997. This was good because all three are active in drives, power electronic devices and converters. The Joint IAS/PELS Chapter was approved March 12th, 1999 and the Joint IAS/PELS/IES Chapter February 28th,

Kuwait Section Educational activities

2001. The Chapter achieved the "IEEE PELS Best Chapter Award for 2001".

Our Chapter has 333 members. Our chapter chair is Dr. Magyar (D-Tech GmbH); vice chair is Prof. Petzold (TU Ilmenau). The main activity is to hold three meetings annually. The last one was held in Stuttgart, at the Robert Bosch GmbH. On the first day, the 96 participants heard lectures about topical questions of regenerative energy production (Prof. Leonhard, TU Braunschweig), of efficiency test of induction motors (Prof. Müller, TU Dresden), and about the new, generalized definition of reactive power (Prof. Späth, Univ. Karlsruhe). As our guest, Prof. Chattopadhyay (IEEE-IAS Calcutta Chair) held a lecture about the past, present and future of power electronics. The official part of the meeting was followed with a pleasant dinner.

On the second day, the host company presented lectures about its current research and development projects in the field of motors and drives for automotive applications. In three groups, the participants took part in interesting company tours, where we could see in practice the R&D activities of the Robert Bosch GmbH. The successful meeting was concluded with a comprehensive technology review by Prof. Chattopadhyay about high performance industrial ac drives.

The next meeting will be at Infineon Technologies AG in Regensburg. on 22-23 May 2003 Guests are welcome. For more information, please visit our web-site: http://ewh.ieee.org/r8/germany/ias-pels

Contributed by

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Marcus Homan (McKinsey & Company) talked about mastering change.

Participants from different companies expressed their interest in continuing the discussions at a future meeting.

Prof.Leonhard (TU Braunschweig) explains effect of wind power plants on the national power system

Chair Dr.Magyar thanks Prof. Chattopadhyay (IEEE-IAS Calcutta Chair)

EMS supports HR Seminar in Frankfurt
Career Paths and Leadership

Development were discussed at a meeting initiated by EMS Germany together with Lufthansa Systems and Deutsche Telekom in Frankfurt on December 9th 2002. Once again, managers from several companies met to exchange their views and thus form a network. Everybody expressed the hope that further meetings of this kind would be held.

After a short presentation of IEEE EMS and its strategy by EMS Germany chair Gerald Anleitner, Markus Homann (McKinsey & Company) presented facts, figures and guidelines with regard to mastering large-scale change. After this, Dr. Kathrin Köster from SonyErcisson shared her insights and experiences in leadership development in international companies with respect to intercultural competencies. Finally, Günther Thoma (step process management) presented a seminar programme to develop "change agents" to support change in large companies.

After lunch, Dr. Michael Riesenkönig (Lufthansa Systems) presented the thesis that employees within a company strive for the satisfaction of three basic needs (orientation, differentiation, appreciation) and showed ways of satisfying employees with special respect to career paths for engineers. Finally, Josef Hennes (Deutsche Telekom) offered a view on the guidelines for managers and engineers within his companies and discussed implementation issues.

If you are interested in the activities of the German Chapter of the IEEE Engineering Management Society, please feel free to contact Gerald Anleitner (g.anleitner@ieee.org) for further information or subscription to the EMS Germany mailing list.

ST. Petersburg BT/COM/ CAS joint Chapter.
Broadcast Technology, Communications And Circuits And Systems Societies

I. 2002 Was a Busy Year

1. The Fourth International Conference "Broadcast & Communications Russia" (Moscow, Exhibition Center "Sokolniki", 13-15 February 2002.

2. Future Trends of Communications was the topic for the Vice-President of the IEEE Communications Society Dr. Alexander Gelman at both St.Petersburg Electrotechnical University and St. Petersburg State Technical University on 1-2 April 2002.

3. Tutorial and overview were delivered by Mr. Florin Vasiliu on, a representative from Tektronix, 22 April 2002 at the MART company in St. Petersburg. Dr. Alexander Artamonov organized this event.

4. At the Second International Conference "Television: Transmission and Image Processing" (St. Petersburg State Electrotechnical University, 21 – 22 May 2002) the chapter met. The conference program included about 50 papers.

5. Third Telecommunications Symposium "Mobile Communications - Advanced Technologies and Services" (St.Petersburg, 5 - 7 June 2002). 22 papers were delivered. Active members of the Chapter Prof. Mstislave Sivers and Dr. Alexander Pasmurov were key organizers.

6. Seminar on Microelectronics delivered by Prof. Vijay Arora (Division of Engineering, Wilkes University, USA) on 13 June 2002 in St.Petersburg Electrotechnical University. The seminar contained 4 presentations.

7. First IEEE International Conference on Circuits and Systems for Communications, St. Petersburg, 26 – 28 June 2002. Sponsored by IEEE Communications Society with help of Prof. Trevor Clarkson and technically co-sponsored with financial support by the IEEE Circuits and Systems Society (Prof. Rui de Figueiredo). 140 papers were submitted from 28 countries.

Organizing the conference was done by the Vice-Chair of the Chapter Prof. Alexander Korotkov. Co-Chairs - Prof. Rui de Figueiredo (University of California, Irvine, USA) and Prof. Vagan Shakhguildian (Moscow Technical University of Communications and Informatics, Russia). Among participants were President of the IEEE Circuits and Systems Society Prof. Josef Nossek, IEEE Region 8 Director-Elect Prof. Anthony Davies.

8. With other local IEEE Chapters, the Chapter took part in the joint seminar on Power Electronics of St. Petersburg IEEE Chapters and scientific network NORFA that was held on 18 November 2002 in the St. Petersburg State Electrotechnical University. Three presentations and meeting of the IEEE members.

II. Future Events

1. The Fifth International Conference "Broadcast & Communications" (Moscow,

Exhibition Center "Sokolniki", 10-13 February 2003).

2. . The Fourth Telecommunication Symposium "Mobile Communications - Advanced Technologies and Services" (St. Petersburg, 9-11 June 2003).

3. The Conference of Saint Petersburg IEEE Chapters (St. Petersburg, 10 – 12 June 2003).

4. Organizing a special session on Broadband Systems at the International Symposium on Signals, Circuits and Systems (Iasi, Romania, July 2003).

5. Participation in the Regional Chapter Chairs Conference of the EAME Region Chapters of the IEEE Communications Society (Rimini, Italy, 22 – 23 September 2003).

6. Seminars on implementation of Digital TV and Radio at MART Company, St. Petersburg and to be reported to the IEEE Broadcast Technology Society.

Belarus Section

It has become a good tradition to plan a joint workshop annually with Belarusian MTT/ED and Lithuanian MTT/ED/AP Chapters.

On 29-30th of November 2002 the Third Belarusian-Lithuanian workshop "Antennas: design and measuring" took place in the Belarusian State University of Informatics and Radioelectronics (BSUIR). This University trains specialists who work at the antenna and microwave-devices fields in Republic of Belarus.

The report of Dr. B. Levitas "Measurement of antenna parameters in

time and frequency domain" aroused much interest with workshop participants. Dr. B. Levitas told us about practical progress in the field of antenna measurement by a method where there is no traditional anechoic room.

Other interesting reports were presented by Lithuanian colleagues such as "Sampling oscilloscopes with bandwidth 20 GHz" reported by Dr. J. Rososkis and "Resonance in a large ferrite sphere" reported by Prof. V. Shugurov.

Belarusian participants presented the following reports: "Wideband active television antennas" (Prof. O. Yurtcev, Dr. I. Malevich), "Transmit-receive for GSM system" (Prof. O. Yurtcev), "Using of Numerical Electromagnetic Code in commercial software and possibility update NEC" (Y. Bobkov), and "Calibration of amplitude and phase fluctuation–meter" (A. Dzisayk, P. Hrusch).

About 40 specialists of Belarusian and Lithuanians enterprises and Institutes took part in the workshop. At the conclusion of the workshop, the Chairman of IEEE Lithuanian MTT/ED/AP Chapter Dr. I. Naydenova and BSUIR deputy vice-rector L. Stanovaya said that such workshops helped collaboration between the researchers of Belarus and Lithuania.

The next workshop will be held in Vilnus (Lithuania) in autumn 2003.

Sergei Malyshev,
MTT/ED Minsk Belarus Chapter Chairman

Nigeria
Section Scoops Top Awards
Section's website – www.ieeenig.org.
Nigeria Section was represented at the IEEE Sections Congress 2002 which took place at Washington DC, USA in October 2002. Chair, Engr Isaac Adekanye was a Speaker in the Red Track and his presentation was on 'Rejuvenating an inactive Section/Chapter. Year 2002 was rounded up with Engr Isaac Adekanye being named as a recipient of the **RAB Achievements Award** for his volunteer activities.

IEEE Nigeria Section had a stand at the Nigerian Society of Engineers Annual Conference in Kaduna, Nigeria, January 13 – 17, 2003. Visitors were introduced to the benefits of membership. Application forms

Joint workshop with Belarusian MTT/ED and Lithuanian MTT/ED/AP Chapters.

Members listening to a presentation

Dr (Mrs) Chukwudebe presenting commendation letter to Chuks Osumili of Uniport SB

Engr Oruye, Ogiso Ovie and Funso-Adebayo at IEEE Stand in Kaduna

Engr Isaac Adekanye reading address at the Section Meeting

Dr Ahiakwo presenting his paper

and IEEE branded souvenirs were given out to the guests.

Section Meeting at NSE Branch Secretariat in Port Harcourt Feb. 22, 2003. The well-attended meeting had both Technical and Administrative sessions. Prof. Johnson I. Ejimanya MNSE,SMIEEE presented a paper on 'Steering Innovative Courses in Microelectronics' while Dr. Christopher Ahiakwo MNSE's paper was on 'Restructuring the Power Supply Industry – The Nigeria Experience'.

Chair, Engr Isaac Adekanye MNSE, SMIEEE reviewed the Sections activities, awards won and the plans for the year 2003. The Section was recognized for her '**Outstanding Leadership** and Result in

Membership Development Activities' in Region 8 for 2002. This is the third consecutive year of receiving this award. Petitions to form Communications, Computer as well as Robotics and Automation Societies were signed for IEEE Approval. The superlative assistance being rendered by Engr G. Massari, FNSE,SMIEEE to IEEE Nigeria Section was applauded.

The **WIE** Team of Clementina Vincent-Uvieghara, Nkechi Amadi and Olusola Fadeyi presented the group and her activities to the members and solicited support for their programme lined up for the year. Mr Joseph Orenaike also presented the **GOLD** activities to the new graduates.

Dr (Mrs)Gloria Chukwudebe FNSE, MIEEE later presented, on behalf of the Section, **Letters of Commendation** to the Student Branch Chairs of University of Nigeria Nsukka, University of Port Harcourt, Federal University of Technology Owerri, Nnamdi Azikiwe University Awka and University of Ibadan **Student Branches** for their activities. Engr G. Massari FNSE, SMIEEE and Dr A. O. Ibe MNSE, SMIEEE equally addressed the members.

Contributed by

Engr. Isaac A. Adekanye
Chair, Nigeria Section
Isaac.adek@ieee.org

CHAPTER COORDINATION

From the Chapter Coordination Subcommittee Chair Jozef Modelski

With great pleasure I would like to inform you that new Region 8 Director Tony Davies has nominated the following members of Chapter Coordination Subcommittee for 2003:

MTT & AP & BT
Jozef Modelski (Chair)
modelski@ieee.org

COM
Adam Livne
a.livne@ieee.org

ED & SSC
Ali Rezazadeh
a.rezazadeh@umist.ac.uk

EM & PC & SIT
Margaretha Eriksson
margaretha.eriksson@ieee.org

SP & AES
Enis Cetin
cetin@ee.bilkent.edu.tr

CAS & IM & CS
Maciej Ogorzalek
maciej@zet.agh.edu.pl

LEO & CPMT & MAG
Sergei Malyshev
malyshev@inel.bas-net.by

IE & RA & SMC & E
Imre Rudas
rudas@zeus.banki.hu

I am happy that I can continue cooperation with these who were serving our Committee in the past year and I welcome on board new members — Adam, Ali and Enis.

It has become customary to hold Chapter Chairs meetings in conjunction with important international events. Once more I remind you that for 2003 the following Chapter Chairs Meetings will be held:

The R8 LEO-S Chapter Chairs Meeting — on June 22, 2003, in Munich, Germany in conjunction with European Conference on Lasers and Electrooptics CLEO (contact person Sergei Malyshev).

A Division IX R8 Chapter Chairs Meeting — on September 13, 2003, in Barcelona, in conjunction with the ICIP'03 10th International Conference on Image Processing (contact person Enis Cetin).

ComSoc Regional Chapter Chairs Congres (RCCC) on September 21-22, 2003 in Rimini, in conjunction with ECOC '03 29th European Conference on Optical Communications (contact person Adam Livne)

The R8 MTT-S and AP-S Chapter Chairs Meeting — on October 7, 2003, in Munich, Germany, in conjunction with European Microwave Week EuMw'03 (contact person Jozef Modelski).

The main purposes of these meetings are: training for chapter representatives in holding technical meetings, improving communication and cooperation between chapters and society representatives, providing opportunity for chapters to highlight best practices and issues. I encourage all Chapter Chairs (or Chapter representatives) to attend respective meeting. Nowadays, when we have so many ways to exchange information, one might doubt about the sense of these events. However, the advantages of meeting each other in person may not be substituted by any electronic contact. Friendships formed on these occasions result in new ideas and initiatives, which would not come about otherwise.

Second edition of the 'Chapter of the Year' contest is about finish. This year's Jury for the contest consists of all Chapter Coordination Subcommittee members. The winners will be awarded prizes during R8 Committee Meeting which will be held on June 28-29, in Reykjavik, Iceland. I hope that in the next issue I will have the chance to announce winning chapters.

Jozef Modelski
Chair of R8 Chapter Coordination
March, 2003
modelski@ieee.org

Region 8 at Deans Summit

The IEEE has a major meeting each year where Deans of Engineering from Universities all over the world meet Deans of Education. This year it was held January 6th to 8th in Miami, where attendees could escape the northern winter for a 3 day event involving presentations, lectures from invited speakers and opportunities for both communities to discuss matters of mutual interest with a view to better mutual understanding of the needs of engineering education.

Region 8 was very well represented with Deans from the UK, Turkey and Israel active at the meeting.

Professor Yildirim Uctug, Dean of Engineering (pictured) and Professor Meral Aksu, Dean of Education from the Middle East Technical University, Ankara, Turkey spoke about collaboration at their own University between Engineers and Educators in developing new engineering Curricula. Prof Uctug noted, "We, especially the newly recruited members of the Faculty of Engineering, benefited a lot from this collaboration. I hope this will continue in other areas. In this respect the summit has really broadened our horizons." Prof Aksi said "As an educator, I was very to pleased hear an engineer, after the seminar, saying, 'I realized that teaching is a complex process and it needs to be well-thought and requires time for preparation. Hence, continuation of the Summit will help the development of future collaborations for improving engineering education and will help the translation of knowledge into practice".

Overall it was an exciting and unique event. While still mainly focussed on the USA, it is hoped to involve many more Deans of Education and Engineering from Region 8 universities. With the many changes on the educational horizon in Europe and beyond it was good to see so many new ideas originating from Region 8.

Simon Jones
R8 Educational Activities Chair

REMINDER CALENDAR
Workshops/ Conferences/ Symposia in Region 8

MMS'2003
Third Mediterranean Microwave
Symposium
Egypt Section MTT chapter
Ain Shams University
Cairo- Egypt on
May 6-8, 2003.
hhtp://hosting.menanet.net/~mms2003/
mms2003
email mms2003@menanet.net
Prof. Ibrahim A. Salem

2003 Joint Meeting
IEEE Frequency Control Symposium
European Frequency and Time Forum
Tampa, Florida, USA,
May 5-8, 2003
http://www.ieee-uffc.org/fc

EMC'2003
2003 IEEE Int'l Symposium on
Electromagnetic Compatibility
May 11-16, 2003,
ISTANBUL HILTON HOTEL,
ISTANBUL, TURKEY
http://www.ortra.com/emc2003/

GCC 2003
Indust'l Elec. & Electronics Conference
Bahrain Gulf Int'l Conv. Centre
May 13-14, 2003
www.megaevents.net/ieeegcc

IEEE and SPIE
XIIth Symposium on
Photonics and Web Engineering
22-25 May 2003
Warsaw, Poland
IEEE Symposium for B.Sc., M.Sc., and
Ph.D., students, GOLD members and
young researchers.
photonics@ise.pw.edu.pl;
R.Romaniuk@ieee.org;

IEEE Workshop on Signal Processing
Advances in Wireless Communications
(SPAWC'03)
15-18 June 2003
Rome, Italy
http://www.spawc2003.it/

IFAC Conference on Analysis and
Design of Hybrid Systems
June 16-18, 2003
Saint-Malo, Brittany, France
www.upelec-rennes.fr/adhs03/

ICCS 2003:
3rd Int'l Conference on Computational
Science
A Bi-location event: June 2-4 2003
St. Petersburg (Russian Federation) and
Melbourne (Australia)
www.science.uva.nl/events/ICCS2003/
4th IFAC Symposium
Robust Control Design
Milan, Italy
June 25 - 27, 2003.
Patrizio Colaneri
colaneri@elet.polimi.it

SYSID 2003
13th IFAC Symposium
System Identification,
August 27-29, 2003,
Rotterdam, The Netherlands
Co-sponsored by IEEE Control
Systems Society
www.sysid2003.nl.

ISSPICS 2003
Symposium
Kenya
Sept 8-10, 2003

IEEE International Conference on
Image Processing (ICIP'03)
14-17 September 2003
Barcelona, Spain
http://www.icip2003.org/

IEEE Workshop on Neural Networks
for Signal Processing (NNSP'03)
17-19 September 2003
Toulouse, France
http://isp.imm.dtu.dk/nnsp2003/

EUROCON 2003
Ljubljana, Slovenia
Computers As A Tool
Sept. 22-24 2003
www.eurocon2003.si

JIEEEC 2003
5th Jordanian Int'l Electrical &
Electronics Engineering Conference
Organized by Jordan Engineers
Association
IEE – Jordan and
IEEE – Jordan section
October 14 - 16, 2003
Amman, Jordan
chair@jea-conferences.org
www.jea-conferences.org

29th Annual Conference
IEEE Industrial Electronics Society
Roanoke, Virginia, USA
November 2nd to 6th, 2003
General Chair: R. Krishnan
(kramu@vt.edu
Spl chairs: Carlo Cecati c.cecati@ieee.org
Seta Bogosyan (bogosyan@elk.itu.edu.tr)

Visit Our Website
http://www.ewh.ieee.org/reg/8/

Conferences & Call for Papers

Multimedia Delivery of Modern Power Electronics Curriculum

September 3-5, 2003

University of Salerno, Italy

Workshop to discuss educational issues related to teaching power electronics.

> Prof. Nicola Femia,
> Tel. +39 089 964160,
> Fax +39 089 964218,
> femia@unisa.it

XVIII URSI Symposium

10-12 September 2003

A Coruña, SPAIN

The XVIII Spanish National Symposium of the International Scientific Radio Union (URSI) will be held in A Coruña, Spain, on September 10-12, 2003.

It is oriented to researchers and professionals in the area of information and communication technologies and it represents a long tradition in the field

In Spain, the symposium is the main annual scientific meeting for those who at the universities, research centres and companies work in basic and/or applied research in the fields of radio, telecommunications and electronic sciences. Its scope is to provide a suit-

able platform to debate, to interchange experiences and to open up the possibility of future collaborations among working groups

The symposium is sponsored by Colegio Oficial y Asociación Española de Ingenieros de Telecomunicación (Spanish National Association of Telecommunication Engineers), **IEEE Spain Section**, Spanish Ministry of Sciences and Technology, Xunta de Galicia, University of A Coruña and Sistemas de Telecomunicación y Control (Control and Telecommunication Systems).

> http://ursi2003.udc.es/
> Luis Castedo
> Departamento de Electrónica y Sistemas
> Universidad de A Coruña
> e-mail: luis@udc.es

CAOL 2003

International Conference on Advanced Optoelectronics and Lasers

16-20 September, 2003

Alushta, Crimea

http://www2.kture.kharkov.ua/caol

The International Conference on Advanced Optoelectronic and Lasers (CAOL 2003) will be held in the Alushta, Crimea, Ukraine (a region like French Rivera), from 16 to 20 September, 2003.

CAOL 2003 will provide a forum for experts in laser physics and optoelectronics. Information on the previous meetings can be found in the journals IEEE/LEOS Newsletters: 4-1999, 4-2000, 4-2001.

International Workshop on LASER AND FIBER-OPTICAL NETWORKS MODELLING will be held on 19-20 September.

> http://www2.kture.kharkov.ua/LFNM
> e-mail: LFNM@kture.kharkov.ua

CLAWAR 2003

The 6th International Conference on Climbing and Walking Robots

September 17-19, 2003

Catania, Italy

http://clawar2003.dees.unict.it

> Organised by EC GROWTH CLAWAR Network
> Sponsored by IEEE Robotics & Automation Society
> Subject: C. l. a. w. a. robots with support technologies for mobile machines.

Special Interest: to create robotic devices able to perform difficult activities in demanding or dangerous conditions.

> Prof. Giovanni Muscato
> DIEES Università di Catania
> Viale A. Doria 6
> 95125 CATANIA Italy
> clawar2003@diees.unict.it
> tel: +39-095-7382321
> fax:+39-095-330793

ICL 2003

Interactive Computer aided Learning

September 24-26 2003

Villach, Austria

http://www.icl-workshop.org

CALL FOR MANUSCRIPTS

Solicitation of Manuscripts for IEEE Potentials Magazine

The IEEE Potentials Magazine goes to all student members of the IEEE (USA and Canada), presently over 50,000.

The level of the article is addressed to the undergraduate/graduate student and has several objectives:

- Interesting the student in a topic for further study
- Explaining technological advances in an area
- A forum for technical ideas
- Articles of interest technically and professionally

It should be stressed that the article should not try to mystify the student, but to enable the student to learn more about technical material that he/she may/may not become acquainted with in their formal course work.

Length of article can be no more than 10 manuscript pages (8 by 11) reduced by the number of figures – shorter papers are also acceptable.

The manuscripts are reviewed by: students, faculty, researchers in the area and then a decision is made as to whether to publish, or not.

> Dr. George W. Zobrist
> Editor-in-Chief, IEEE Potentials Magazine
> Professor Emeritus Computer Science
> 12030 Country Club Drive
> Rolla, MO 65401
> ph: 573 - 364 6905
> fax: 573-341 4501
> email: zobrist@umr.edu

The 6th International Workshop "Interactive Computer aided Learning" in the picturesque town Villach in the south of Austria, near Venice, Salzburg and Ljubljana.

The ICL workshops are interdisciplinary which focus on trends, research and testing interactive computer aided learning.

Prof. Michael E. Auer
Carinthia Tech Institute Villach
School of Electronics,
Europastrasse 4, A-9524 Villach, Austria
M.Auer@ieee.org
info@icl-workshop.org

ICECom 2003
17th International Conference on Applied Electromagnetics and Communications
1-3 October 2003
Dubrovnik, Croatia.
http://www.rc.fer.hr/icecom
The Conference is organized by IEEE Croatia Section, IEEE AP/MTT Croatia Joint Chapter and KoREMA (Croatian Society for Communications, Computing, Electronics, Measurement and Control), with technical co-sponsorhip from IEEE Region 8 and in cooperation with the University of Zagreb, Faculty of Electrical Engineering and Computing, Ministry of Science and Technology of the Republic of Croatia and International Center of Croatian Universities

NUMELEC 2003
4th European Conference on Numerical Methods in Electromagnetism
28-30 October 2003
ENSEEIHT – Toulouse,France
www.numelec2003.fr.
NUMELEC'2003 is a conference dedicated to numerical computation of the electromagnetic field. The aim is to give communities working over all frequency ranges Email: ecre-hb@len7.enseeiht.fr

MWSCS 2003
46th IEEE Midwest Symposium on Circuit and Systems
27-30 December 2003
Le Meridien-Pyramids Giza
Cairo, Egypt
This Symposium, is the oldest, second largest of its kind world-

wide. It is technically sponsored by IEEE CAS and IEEE Region 8.

Prof. Nadder Hamdy
General Co Chair
The 46th IEEE MWSCAS
website: www.ieee-cas.org
or search www.ieee.org

ICITA 2004
Second International Conference on Information Technology & Applications
7- 10 January 2004
Harbin, China
We are looking for people to organise new tracks this conference. The purpose of ICITA is to provide a platform for academics and engineers in all IT areas not only technical, but also social sciences.
Harbin is in the Northeast of China, known as Manchuria.
e-mail: icita@ieee.org
www.icita.org

EESEE2003
IEEE International Conference
"EE Education In The 21ST Century In The South-Eastern Europe (+Greece And Turkey)"
1-4 July 2003
Sarajevo, Bosnia And Herzegovina
http://ewh.ieee.org/sb/sarajevo/EESEE2003/
The IEEE International Conference is organized by IEEE Student Branch Sarajevo and is sponsored by the IEEE Foundation. The principal goal is to exchange knowledge about educational systems in the South-Eastern Europe including Greece and Turkey. Student Branches will prepare several programs: academic exchange of students; branch activities; Organize IEEE-SEEGEE "Olympic" Games in Electrical Engineering to compete in knowledge in fundamental sciences.

Active participants of the conference can apply for accommodation provided by the IEEE SB Sarajevo.

University of Sarajevo
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Tel: +387 33 25 06 75
Fax: +387 33 25 07 25
E-mail: eesee2003@etf.unsa.ba

Photo Quiz

Winner of February Photo Quiz

Editor's note- Thanks to many entrants who entered and identified the wafer and answered the tie-breaker.

The winner of the February photo quiz is Matthias Frey. His prize - an IEEE Special Edition SWATCH - presented by Hugo Wyss, from the IEEE Switzerland Section.

Matthias is a 27 year old electrical engineer living in Zurich and working toward a Ph.D.at the Signal & Information Processing Laboratory of Prof. H.A.Loeliger, Swiss Federal Institute of Technology (ETHZ). He works on analog decoders.

Matthias joined IEEE two years ago, which he finds a great source of technical information. He usually reads Region8 News within a week from receipt and this time he was intrigued by the photoquiz and searched very thoroughly in Internet uncovering all the facts and for the tiebreaker, found the error about Hoerni's birthyear.

His hobby is judo and for the moment has not yet any definite ideas about what he wants to do after graduation.

Answer to the February Photo Quiz

The February Photo Quiz picture of the quartz wafer is etched with the shape of tuning-forks. Quartz is a piezoelectric material with elastic qualities, high mechanical strength and durability. The resonators were used in early quartz watch mechanisms: the miniature encapsulated tuning forks vibrated at 8Khz, and later 16 and 32 KHz.

Quartz wafers were first made by North American Aviation (now Rockwell) using a photolithographic technique invented in 1968 by Juergen Staudte.

Staudte patented his method for mass producing these resonators.

Staudte, Juergen. "Subminiature Quartz Tuning Fork Resonator," The IEEE International Frequency Control Symposium,1973; the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society.

(Also check out IEEE Xplore "A Brief review of progress in quartz tuning fork resonators" Momodaki, E. in the 1997 Frequency Control Symposium Proceedings.)

Tiebreaker question: Jean Hoerni's mother tongue was French, he was born in Geneva, Switzerland. He was born either 1924, or 1925, but not 1922.

IEEE Swiss Section Chair Mauro Ciappa and Hugo Wyss present February Photo Quiz prizes to Matthias Frey.

NEW Photo-Quiz May 2003

The photo shows a simple electrical device manufactured in the first decade of the twentieth century. Appliances like these were advertised widely and promoted to housewives as labour saving contraptions for the kitchen. Often they lacked controls and safety features which appeared much later.

Please look at the photograph carefully and guess what it is, what it does. As a tie-breaker: Which company made it, and when?

The answer will be printed in August Region 8 News together with the circuit diagram.

The winner will receive a "IEEE Milestone SWATCH" quartz wristwatch in a presentation case. The SWATCH kindly donated by IEEE Switzerland Section (see advertisement in this issue).

Answers to the editor before 1st June 2003, by post (address on page 2) or e-mail to r8news@ieee.org.

Please quote May Photo Quiz in your subject line and also give your contact details.

Looking at the IEEE, Differently

You want to take a different look at the IEEE? Start looking at yourself! Yes! You!

You belong to a member organization that is called the IEEE. That means that the IEEE is very much a reflection of yourself. Did you ever consider looking at the IEEE as a mirror? No? Then start doing it: the EEEI ! 'I', or me, seems to be an important element of it. At least, in my mirror 'I' is the last 'word' to say.

So is the IEEE really a mirror of you? Do you find 'everything' of yourself in it? Your professional, educational and networking needs? If yes, you can shout 'Hurray the IEEE is on the right track!'. If not, you should speak up and have your voice heard in the IEEE. That way, you help your association to improve for you.

This is exactly what I am doing myself now. As the 2003 R8 GOLD Coordinator, I ask myself: what can I do to make the IEEE more interesting for young professionals like me? And I ask you, write to me about your answer to that question so that we may start to help ourselves.

Mario De Weerd
2003 R8 GOLD Coordinator
m.deweerd@ieee.org
Visit Region8 GOLD website
http://www.ieee.org/r8gold

IEEE region8GOLD

GOLD in Egypt

Networking Industry with Academia

Networking industry was a main goal of our SB (Student Branch) in 2002; also it's the main goal for 2003 Graduates of the Last Decade (GOLD) activities. Our activities included: Introducing to the interested students how they can register their patents in simple and easy steps with the help of the Acedmy of Scientific Research and supply them with documents needed.

An agreement was done between Dr. Salah Al-Kashef the Director of Fekrah.org (means Idea in Arabic) and me representing our student branch as the Chairman that time. The famous Egyptian portal serves as a link between industry and academia by offering free listing of any new ideas in any fields of life; interested industry or business leaders can search the abstracts of the ideas and contact the idea submitter directly. We agreed to start a new section in the portal for ideas related to electrical and electronics engineering submitted by members of the IEEE.

Visually Impaired

An IEEE member in our SB implemented a new approach in his graduation project to guide the visually impaired in closed pre-equipped places using Bluetooth wireless technology. Our SB is trying to connect this project with interested Blinds associations in Egypt and worldwide; if interested in the project or know any interested Blinds associations please email Bluetoothjava@yahoo.com for more info.

Our activities in Industry-Academic networking was featured by a national newspaper called "Al-Alam Al-Yom" (the world today) in three separate articles explaining our technical seminars and how they explain new market technologies to the students.

Wireless Networking Workshop in Egypt

A workshop entitled "Introduction to Wireless Networking" will be held in the 25th of March 2003 with sponsorship from Hire Technology Center Co. The invitation is open to everyone so I hope I could see you there!

Mohammed M. Al Borno
Industry-University Link Coordinator
Higher Technological Institute
Email: *mohamed@ieee.org*
Cell phone: +2 010 100 32 33

First Official GOLD in Russia

SIBCON-2003

IEEE-Siberian Conference on Control and Communications
October 1-2, 2003
Tomsk Polytechnic University
Russia

SIBCON-2003 will be the first official GOLD conference in Russia.

Topics include Methods of Computing and Applied Mathematics in Communication and Control Systems; Modeling in Modern Technologies of

Control and Information Processing; Instruments, Methods and Algorithms for Testing and Diagnostics; Crypto Protection of Communication. Report from last conference can be seen at http://www.com-soc.org/e-news/2002/apr/.

Oleg Stoukatch,
GOLD Chair, Russia Section
Tomsk Polytechnic University
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Exposing Electronics

Edited by Bernard Finn, Smithsonian Institute, Washington DC

Exposing Electronics is the second Volume of a series "Artefacts: Studies in the History of Science and Technology". (Artefact: a functional or decorative man-made object) "..historians are using technological artefacts in the study and interpretation of the recent past. Their work is largely pioneering, as they investigate approaches and modes of presentation."

Last year I was a delegate at IEEE Sections Congress in Washington DC, where a group of us were conducted around the exhibit "Information Age" in the Smithsonian Institution, National Museum of American History. Our guide was Bernard "Barnie" Finn, who is a curator and designer of "Information Age", and editor of this book.

Our small group of engineers heard a "behind the scenes" explanation of how the exhibits were put together with the rationale of attracting and holding the interest of the public of all ages. To us it was fascinating - not just a collection of original objects, but a story line threading through communications - telegraphy, telephony, digital, satellite; computation - calculating engines, data processing, real-time data bases; electronic devices - control, power, integrated circuits. The displays of artefacts were supplemented by photographs, posters, videos, and original films which helped our understanding of the motivations and needs of the engineers and scientists who built them.

"Why" are there museums and how do things end up displayed in museum exhibits? **Exposing Electronics** tells us about the "Information Age" exhibit and points out many of the problems in communicating the history behind the objects.

Why do we go to museums? The theory of learning is touched: What is the necessity of prior learning for vision? The role of the curator- 'first helps visitors to see artefacts more clearly, then imbues those artefacts with symbolic values that come from their function and history.' **Exposing Electronics** is worth having from many points of view.

It is a high quality publication 19cmx 24cm filled with stories, historical photographs and clear drawings of electronic devices - J.A.Fleming's valves; Wilhelm

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Cauer's calculating engines, Baaken's transistor devices, Boysel's microprocessor, Seymour Cray's supercomputers, I.I.Rabi's molecular beam apparatus.
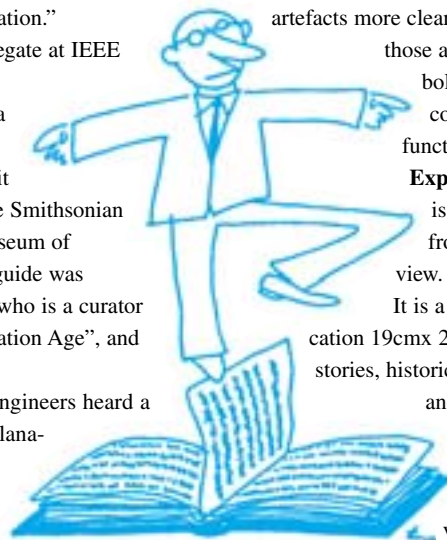
The stories are those of our contemporaries and predecessors. The chapters have many notes, which support the observations and conclusions, and invite further investigation.

To a non-historian (me) the text gives inspiring details about how inventions "happen", the personalities fighting to achieve an idea and at the same time push forward against criticism, financial losses, and so on.

The final chapter "Collectors and Museums" suggests the origins and uses of why we save, classify, index, record, things as a hobby, and how these collections can end up in museums. "Collectors help to shape museums, and therefore to shape the ways we present our cultural identities to ourselves and to others." The author notes that 'Electricity is well represented in museums throughout the world.' and lists five pages of them around the world- one near you!

Thoroughly recommended to anyone engaged in the public understanding of science. Good reading.

Visit Our Website
http://www.ewh.ieee.org/reg/8/

Two-Volume Series of Books on Electric Drives

by Ned Mohan

Electric Drives: An Integrative Approach, 2003 Edition, Hardcover, 464 pages, ISBN 0-9715292-1-3, www.MNPERE.com, USA.

Advanced Electric Drives: Analysis, Control and Modeling using Simulink®, 2001 Edition, Hardcover, 184 pages, ISBN 0-9715292-0-5, www.MNPERE.com, USA.

Reviewed by Tore Undeland, Chairman of IEEE Norway Section

Professor Ned Mohan of the University of Minnesota has written a two-volume series of textbooks on electric drives. The books represent viewpoints from many colleagues, especially due to the feedback from the participants in six National Science Foundation sponsored educational workshops that Dr. Mohan has organized, starting in 1991, in the fields of Power Electronics and Electric Drives.

These two excellent books, where the students need no prior knowledge of electric machines theory, are designed to teach from basics to advanced topics in electric machines and drives in only two semesters. The author has paid a great deal of attention to generate student interest, to provide them with a solid foundation of Electric Drives, without any prior knowledge of Electric Machine Theory.

The first book in this series, *Electric Drives: An Integrative Approach*, discusses modern adjustable speed drives in the context of exciting applications such as energy conservation, wind energy, hybrid-electric vehicles, etc. The steady state analysis of electric drives in this book uses electric machine models that are derived from simple physical principles with minimum amount of mathematics, hence are very easy to understand. These models (unlike in any other book) provide complete continuity to advanced topics discussed in the next book.

In the second book, *Advanced Electric Drives: Analysis, Control and Modeling using Simulink®*, steady state models of electric machines are extended to advanced topics such as dynamic analysis, control and modeling of electric drives using Simulink. Simulink-based design examples included (also on the CD-rom attached) allow meaningful design-oriented problems to be assigned as homework. I imagine that students will find the confirmation of analytical discussion by simulation results extremely satisfying.

The author's approach is unique and is a sharp departure from tradition. For example, electric machines are introduced on the premise that they will be operated in a controlled manner through power electronics, albeit discussed in their steady state in the first of the two-volume series. This approach has two distinct advantages:

1. It allows electric machines to be introduced in the context of exciting applications of electric drives to generate student interest.

2. Electric machines are analyzed in the first textbook in a manner that reveals the physical basis on which they operate, thus allowing a clear understanding of how they ought to be controlled for optimum performance as discussed in the second textbook. The author succeeds in making the space-vector theory understandable and making it easier than phasor calculations by providing physical meaning to space vectors. The author, also shows traditional equivalent circuits for line-fed operation.

A Solutions Manual for instructors is available corresponding with back-of-the-chapter problems. There are also two unusual teaching aids. Each has a CD-rom with PowerPoint slides that students can print and bring to classes to take notes on. That's not all – the Instructor's CD (only for the instructors) contains audio clips, usually a minute or two long attached to each slide, that highlight the pitfalls to be avoided and the main points to be emphasized in class. Instructors will find these CDs extremely useful in preparing and organizing lectures. The second textbook also contains Simulink files of the design examples.

I recommend all engineering educators in this field to evaluate these two textbooks.

Given the emphasis on applications, these books are equally valuable for self-learning to practicing engineers who wish to control machines for optimum performance in various applications.

Tore Undeland
Department of Electrical Power
Engineering
Norwegian University of Science and
Technology
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VINNY

Named after Leonardo da Vinci, the VINNY is an award for the best one–minute videos explaining how science, technology, engineering, or mathematics can help solve common global problems. Combine skills in research and writing with teamwork and creativity to win prizes and recognition. Teachers, students, and mentors are you ready? Lights, camera, education!

VINNY

SIGN UP NOW! http://vinny.pcs.cnu.edu
REGISTRATION DEADLINE: OCTOBER 31, 2003

The NASA Center for Distance Learning, Christopher Newport University, and the Institute of Electrical and Electronics Engineers (IEEE) announce VINNY award. VINNY is a worldwide video competition designed to build awareness of science, technology, engineering, and mathematics (STEM). VINNY can be used to supplement curricula and support commonly recognized standards of learning.

PROBLEM

• Teams made up of one teacher and three students will identify and research a global problem and discover ways that STEM can help solve it.

CHALLENGE

• Teams will create a one-minute video explaining the global problem and a possible STEM solution.

AWARDS

• Win school prizes and recognition.
• Win student prizes and recognition.
• Win teacher prizes and recognition in each category.

3 levels of competition: elementary grades Kindergarten-5, middle grades 6-8, high grades 9-12 x 2 languages: English and Spanish 6 categories and prizes.

IEEE region8student news

Hi! *I am Basak Yuksel, Region 8 Student Representative for 2003.*
I'm a Ph.D. student in Electrical and Electronics Engineering Department of Middle East Technical University in Turkey. I am working on biped locomotion and am trying to make a "humanoid" robot which can learn to walk by itself.

Region8 Student News is a communication network between all of the student members in Region 8. I am really happy to be your Editor, and wait for your contributions to these pages. R8 Student News can be everything that you want to share with us: announcements of student branch activities, news, experiences and advice. This way, we have another view of IEEE and its many activities and benefits. We can improve student cooperation and increase younger members' participation in Section activities.

We have a web page where you can find all the relevant information about Region8 student activities. http://ewh.ieee.org/reg/8/sac.

In this issue, I would like to introduce the IEEE Region 8 Student Activities Committee for 2003:

Pilar Molina Gaudo, Vice Chair Student Activities
  e-mail: pimolina@ieee.org

Basak Yuksel, Regional Student Representative
  e-mail: basak@ieee.org

Christian Borgert, Awards Coordinator , and Past Vice Chair Student Activities,
  e-mail: c.borgert@ieee.org

Martin J Bastiaans, Coordinator Student Paper Contest
  e-mail: m.j.bastiaans@ieee.org

Mischa Dohler, SAC Web Coordinator
  e-mail: mischa@ieee.org

Also, we have News from some of the Region 8 Student Branches; IEEE NTUA (National Technical University of Athens) Student Branch (Greece), IEEE Complutense (Universidad Complutense de Madrid) Student Branch (Spain), IEEE Universidad Alfonso X el Sabio Student Branch (Spain), IEEE Alexandria University Student Branch (Egypt), IEEE Higher Technologies Institute Student Branch (Egypt), and the IEEE Student Branch in Jordan University of Science and Technology .

I'm really happy to be working together and welcome your comments.

Basak Yüksel
Region 8 Student Activities Committee Chair

Hello to all Student Members in R8, from Pilar Molina Gaudó.
I come from Spain and I am Assistant Professor at the University of Zaragoza where I lecture in Electronics and do research on RF power amplifiers.

At the last Region8 meeting in Washington D.C., I was elected Vice Chair of Student Activities Committee (VC-SAC). My challenging and interesting task is to broaden the opportunities of the students in R8. We are a team of five in R8 SAC. Some of the ideas that we want to develop in the near future are:

Start a Virtual Community for all R8 Students, to be a common meeting place to share information, to chat and discuss.

Celebrate a Student Branch Congress in 2004. We are calling for volunteer Student Branches to organize this event.

Provide support to projects of Student Branches.

Support students attending technical conferences.

There are many others, this is only the beginning.

What I need is your feedback. If you consider:

That something is not working OK, let us know.

Something could work better according to your ideas, then, let us know.

You have an idea that could benefit students in our region, we will do our best to help you develop it.

You will be hearing from us, let us hear from you too! To reach all of us email: reg08-sac@ieee.org

Pilar pimolina@ieee.org
Region 8 Student Paper Contest Coordinator

My name is Martin Bastiaans. I am an Associate Professor at the Electrical Engineering Department, Eindhoven University of Technology, Eindhoven, Netherlands, where I teach signal processing related courses. Please visit my webpages at http://www.sps.ele.tue.nl/members/m.j.bastiaans/.

I have been a member of the IEEE Region 8 Student Activities Committee (R8SAC) since 1999. I am also Counselor of the Student Branch Eindhoven. I have participated actively in all three Region 8 Student Branch Congresses: Istanbul (1998), Eindhoven (2000, organized by my own Branch), and Cairo (2002). I look forward to another successful Congress, in 2004.

My particular task in R8SAC is the coordination of the annual Student Paper Contest.

I invite all Region 8 Student Branches to submit the winning paper from their local contest; the deadline for the next Regional Contest is 15 December 2003. The rules can be found at my webpages.

The two most important rules are:

1. only Student Branches can submit papers, not individual students (So, if there is no Student Branch at your university, why not considering to establish one?) and

2. each author of a paper that is submitted to the Regional Contest must be a member of a Student Branch at the time of the original submission of the paper to the local contest, and, if the paper is selected for presentation at the oral finals, must be an IEEE (student) member at the time of the oral presentation.

This year the oral presentations of the finalists will be held during EUROCON'03 in September in Ljubljana, Slovenia.

If you have any questions regarding the Student Paper Contest contact me by e-mail via m.j.bastiaans@ieee.org.

Martin Bastiaans
Region 8 Student Awards Coordinator.

You might remember me as Past Vice Chair Student Activities. I studied semiconductor engineering and circuit design at university. Then five years in Sales. Currently I am working in Product Marketing for a semiconductor manufacturer in Munich, Germany.

My activity in IEEE started in 1993 as a member of the Student Branch at Ruhr-University in Bochum, Germany. We had workgroups exploring WWW and IRC (Old version of global chat communities) and there followed official positions as Secretary and Mentor of my SB, Region 8 Vice Chair SAC, and representative to various IEEE Boards. You might think that is enough. You are probably right. But this is not work– It is fun and should be fun in the future as well.

My goal is to get more Awards to Region 8 Student Members. There is money on the table – let's take it!
For your reference please click "Awards" at following URLs:
http://www.ieee.org/r8_sac/ - Region 8 SAC Website
http://www.ieee.org/students/ - IEEE SAC Website

My job will be to remind you about the deadline of each of those awards by e-mail; use me as your source of information. Apply for Awards and Recognitions. Please don't miss that chance!

Christian c.borgert@ieee.org
Region 8 SAC Web Coordinator

My name is Mischa Dohler. I am a lecturer at the Centre for Telecommunications Research, King's College London.

As the Electronics Communication and Web Coordinator in the SAC; I will take care of everything related to the websites, mailing lists, etc. I am currently finishing my PhD, so I will keep a low profile until summer. Nonetheless, I will update the SAC website (http://ewh.ieee.org/reg/8/sac) which at the moment of writing, is hopelessly out of date.

Here are some ideas which I thought would be useful to implement:

(1) I would like to have an R8 Workshop on Communications.

(2) It would be good to have a website where we can present the other (non-Engineering) side in us, i.e. compositions, paintings, etc. (This would clearly distinguish us from the other regions.)

(3) You will have realised that the student membership fees increased. This may not be a problem for most of us in Europe; however, R8 includes a lot of poor countries. I thus thought of giving poor students the chance of being paid a one year membership by (generous) students, who could survive paying another $25. I am not sure yet of how to implement this, but ideas are more than welcome!
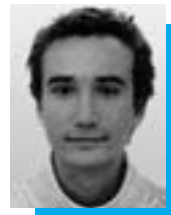
(4) I would like to establish a link between us, the highly creative but generally poor students, and Business schools throughout R8, which have a lot of cash and are longing to get an opportunity to spend it.

(5) I would like to create a patent-pool, where you put in your ideas and industries choose the one they like and either pay for it or subsidise some research. I have had this idea already for quite some while, but I couldn't think of a suitable mechanism to implement it. Again, ideas are welcome!

(6) Finally, what about an R8 student video? Have you seen the one done by IEEE? Is that really us? It should be simple to implement it: just shoot some stuff about you, your city, your region and send it (electronically) to an editor who would do the final cut. I thought of the Egyptian SBs being the editor, as they have produced some amazingly professional stuff for the Student Branch Conference 2002, Cairo.

Just give me your feedback and I will get the stone rolling!

Mischa. mischa@ieee.org
SAC Web Coordinator

et cetera

INTERNATIONAL CONFERENCE on SELF-SIMILAR SYSTEMS

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NTUA IEEE Student Branch
Athens, Greece

For the last six months, the IEEE NTUA (National Technical University of Athens) Student Branch has been re-organising itself in order to be more effective in its primary goal: to familiarize students of the School of Electrical and Computer Engineering with IEEE and its membership benefits for students.

Here is a list of the actions we took for achieving that goal :

• In 14/11/2002 the Student Branch organized a presentation of IEEE organization at our university with great success. This was followed by a tutorial: "How to present a technical project" held by Chairman of the IEEE Greece Section, Prof. F. Konstantinou. (More than 300 students attended this event!)

• In 27/11/2002 the Student Branch organized a Physics Workshop by senior undergraduate students of our school. Some of the topics were Quantum Communications, Bell Inequality, Scattering in Quantum Mechanics, Quantum teleportation and Neutrino Oscillations. (More than 40 students attended the Workshop).

• In 20/12/2002 the Student Branch organized a series of weekly seminars on "Problem Solving and Programming in Mathematica". (More than 60 students enrolled and participated in the seminars)

• In 21/01/2003 the Student Branch organised a comprehensive presentation of the higher semester courses available to senior undergraduate students. This was of high interest to sophomore undergraduate students since in the 5th semester they have to choose among numerous course options. (More than 200 students attended the event)

The exam period held us back, but it is coming to an end soon and we will start brainstorming again!

In 28/02/2003 the IEEE Greece Section is cutting its "New Year's Pie" and that will be a great opportunity for the Greek Student Branches to get together, coordinate their actions and maintain the enthusiasm!

Kyriaki Levanti
Chairman
Executive Committee NTUA SB

Democritus Univ. of Thrace IEEE Student Branch
Thrace, Greece

IEEE SB Links Two CountriesFrom 1st to 4th of March we had the pleasure to host in

our Student Branch Democritus University of Thrace- Greece, three visitors from the IEEE SB of Bogazici University Turkey.

The schedule included visits to the local area and to the university. We held a joint meeting of Student Branches to discuss ways of cooperating more closely in the near future.

I am happy to tell you that the result of the meeting was a decision by IEEE SB of Democritus University of Thrace to organize a trip to Turkey during the first week of May. This trip will have both a cultural and a professional character, since we believe that the spirit of IEEE is useful not only to promote science itself, but also to bring people together.

As far as these two countries are concerned, we are confident that such kind of initiatives are really helpful. Furthermore, we discussed ways of organizing a Trans-Balkan meeting of all the Student Branches in the year 2004, to coincide with the Olympic Games which will again be hosted here.

I would like also to mention, that our Turkish friends represented successfully their country in the all-night-long parties, during the carnival period in our city. From our side, we have promised to be as active as they were when we visit Istanbul on May. So it is promised and so it shall be done… ;-)

Contributed by
Nikolaos P. Kavakiotis
Responsible for Public Relations
IEEE Student Branch
Democritus University of Thrace Greece
kavakiotis@ieee.org

Complutense IEEE Student Branch
Madrid, Spain

Last January, in collaboration with European Space Agency, IEEE Complutense (Universidad Complutense de Madrid, Spain) Student Branch held an Exhibition of Solar Car Nuna, winner of 2001 edition of the World Solar Challenge (http://wsc.org.au) in Madrid. This was one of the two exhibitions of Nuna in our country. A huge number of students from main University area in Madrid learned how a

group of students had developed such a great project. We obtained good promotion among news agencies, main TV channels and newspapers. You can find more info at http://www.fdi.ucm.es/ieee/nuna

At the end of April we will organize the first edition of Madrid regional programming contest with the participation of the best programmers from the six Universities in Madrid. You will be able to find more info at http://www.fdi.ucm.es/cupcam.

This is our first time at IEEE R8 Student News so we would like to thank all people that have supported us in the creation of SB during last two years in our University, specially to our Counselor Dr. Ignacio Martín Llorente and our Branch Mentor Dr. Jose Antonio López Orozco. We would like also to thank all people from IEEE Spain, IEEE R8 Student Activities Committee and IEEE Student Services for their strong support.

Best Regards,

Adolfo Vázquez
a.vazquez@ieee.org
SB Chair & Founder
IEEESB Complutense
http://www.fdi.ucm.es/ieee

Univ. Alfonso X el Sabio IEEE Student Branch
Madrid, Spain

I am Alejandro Criado-Pérez, the secretary of the IEEE student branch of the Universidad Alfonso X el Sabio in Madrid. We are in the process of opening a new branch at our University. We are about 30 active members. In December we applied to the IEEE. The form included more than 20 student members' signatures, some of our educational programs, and more paperwork they asked for. IEEE responded last week (February 2003) with a letter saying that to complete to process we need to fill out another form answering some questions regarding the educational programs at our university.

To resume, we hope to officially become a new IEEE branch in a couple of weeks.

Thank you.

Regards, Alejandro Criado-Pérez
alejandro@criadoperez.com

Alexandria University IEEE Student Branch
Alexandria, Egypt
Visit to Kuwait Uni SB

Two Student members from Alexandria University Student Branch, visited the Kuwait University Student Branch between 11-16 September 2002.

First, they met Dr. Kotaiba, the student activities advisor, who welcomed them in Kuwait, keeping them in a friendly atmosphere. The aim of the visit was to meet members of IEEE in Kuwait Univ. SB., asking for the problems behind their non-attendance the R8-SBC2002 that was held in Cairo.

We met with the SB. Counselor Dr. M. Zraiby and some of the IEEE faculty members, to discuss the bilateral problems for both the SBs. We gave them some recommendations to improve their SB`s local activities.

They also arranged for us to meet many students who are not members of the IEEE – we held a seminar for them.

We tried to convince them of the membership benefits and to change their belief that the only benefit is a pure technical one! Giving them an IEEE T-shirt as a souvenir they were very motivated to become active members and started to tell their partners about these benefits.

At last we met Prof. Najem M. El-najem, Dean of Kuwait faculty of engineering, asking him for further support to the IEEE activities in the college, and he was such an open-minded man that he gave us all we asked!

Finally, we thanked our hosts for such a wonderful visit. It gave us an opportunity to gain more friends from Kuwait and to pave the way to begin bilateral activities between the two SBs.

Abdelrahman Abbas
Ahmed Hamza
IEEE Alexandria Student Branch

IEEE Higher Technologies Institute Student Branch
Ramadan, Egypt

We plan to do many activities. Here I would like to share some of them with you:

- Help to establish new student branches in Egypt,
- Make a data base for the manufacturers and companies of the 10th of Ramadan city,
- Publish a book for our student projects. The book will be available next September,
- Student exchanges with other IEEE student branches in R8,
- Enlarge the knowledge of IEEE among our society.

You are invited to take part in our activities and your comments are welcomed.

Ihab S. Boghdadi
Secretary
HTI SB

IEEE Student Branch
Alexandria University
Alexandria, Egypt & Arab Academy of Science & Technology
Cairo, Egypt

IEEE Student Branch MicroController Workshop

IEEE Student Branch at Alexandria University and Arab Academy for Science and Technology (AAST) arranged a Microcontroller Workshop From 26/1 to 29/1/2003 in AAST.

The main subjects included:
Introduction to Microcontrollers, 8051 Core (ex: AT89C52), Internal architecture (Timers, Interrupts, etc.), External architecture (Text/Graphics LCD, Key pad, seven segment display) and Prototypes. Along with some seminars in: System Integration, Security Systems, Creativity, Field Programmable Gate Arrays.

This event was sponsored by AAST and H-logic.

Abdelrahman Abbas
Alexandria University Branch

Jordan Univ. of Science & Technology IEEE Student Branch
Jordan

From Samir M Ahamd, 29 January 2003

I am the Treasurer of the IEEE Student Branch in Jordan University of Science and Technology.

I would like to tell you about our activities hoping that you will direct us to a better way to reach the IEEE goals.

When the time started for IEEE subscribing for full year membership, we as a committee thought to make some thing special to attract the engineers to come and join the IEEE. We had an idea to design a poster in 50cm x 35cm dimensions, and print approximately 200 copies to place them in everywhere in our university.

We began our work as a team, dividing the work – designing; -writing and editing the content; finding a good printer and negotiating a good price. The cost was high, so we thought of finding some company to support our idea. Please contact me with your experiences and suggestions.

Yours faithfully,
Samir M Ahamd,
samirmt@ieee.org

Egyptian Annual Student Contest, EASC 2003

It is with my pleasure to announce the 3rd Egyptian Annual Student Contest EASC 2003, with the objective of increasing student interaction and bringing together different Student Branches..

* IEEE Egypt Annual Undergraduate Student Contest:

The contest is open to all undergraduate student projects. Aside from the prestigious certificate of recognition awarded to the finalists, there will be a financial reward for the first three winners as follows:

- First Position: One thousand (2000) L.E.

- Second Position: Six hundred (1200) L.E.
- Third Position: Four hundred (800) L.E.
* Dr. Saad-El-Din Youssef Mahmoud Annual Award
For the Best Graduation Project in Communications and Networks:
- One prize in the sum of ONE thousand (1000) L.E.
* Dr. Othman Abdel-Latif Badr Annual Award
For the Best Graduation Project in Computer Engineering:
One prize in the sum of ONE thousand (1000) L.E.

* Dr. Abdel-Moneam Youssef Belal Annual Award
For the Best Graduation Project in Control Engineering:
One prize in the sum of TWO thousand (2000) L.E.
For deadlines, rules and Submission Procedures see: http://student.ieee-egypt.org
For more information, questions or comments please contact me at nahel@ieee.org

Nahel M. Amirah
Egyptian Student Representative

◆IEEE Region 8
Croatia Section

MELECON2004
May 9 -12, Dubrovnik, Croatia

http://www.melecon2004.org

CALL FOR PAPERS

The **12th IEEE Mediterranean Electrotechnical Conference - MELECON 2004** will be held in **Dubrovnik, Croatia on May 9 - 12, 2004.** The Conference will be an inspiring forum for the exchange of ideas and results. It will include regular technical sessions, plenary sessions, tutorials, special sessions and workshops. Regular sessions will include poster and lecture sessions. Prospective authors are invited to submit their manuscripts reporting original work, as well as proposals for special sessions, tutorials and workshops in areas of, but not limited to, Circuits and Systems for Signal Processing, Information and Communication Technology, Power Resources and Systems.

IMPORTANT DATES:

Submission of papers	*November 11, 2003*
Notification of acceptance	*January 20, 2004*
Deadline for final papers	*February 17, 2004*
Deadline for authors registration	*February 18, 2004*

MELECON 2004 SECRETARIAT:

MELECON 2004
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Faculty of Electrical Engineering and Computing
Unska 3, 10000 Zagreb, CROATIA

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