

R10 Director's Message



On 11 March 2011, a 9.0 magnitude earthquake about 100 km off the eastern coast of Honshu, Japan, resulted in a ferocious and catastrophic tsunami that swept through eastern Japan leaving behind a horrific trail of disaster and damage. Across the Asia Pacific and the

whole world, all watched in horror as the surreal 8m waves swept away buildings, vehicles, boats and anything that stood in their paths. Almost immediately, messages of sympathy and support from IEEE volunteers and members in Region 10 and elsewhere began pouring in. In particular, there was great concern for those closest to the epicentre of the earthquake, such as friends and families in the IEEE Sendai Section and to our great relief many were safe from nature's wrath. We hope that our continued support, thoughts and prayers will bring much needed comfort and strength to those affected by this disaster.

The IEEE Annual Election this year presents two excellent candidates who will be contesting for the post of IEEE President-Elect 2012. They are Roger D. Pollard and Peter W. Staecker. You can get to know more about them in this e-newsletter. As an IEEE member, it is important that we understand the role of the IEEE President and how he can steer IEEE towards the type of global organization that we are proud to be part of. Thus it is vital that we participate actively in the election process to ensure that we exercise our vote. Last year Region 10 achieved a voting return of 19.9% which is the highest among all the regions. Let us do even better this year. And to spur this on, Region 10 will continue the practice of offering bonuses of \$500, \$300 and \$200 to Sections with the highest voting percentages.

For the first time, the 2011 Region 10 Student / WIE / GOLD Congress will be held on 7 - 10 July 2011 in Auckland, New Zealand. This joint event that will foster closer cooperation, understanding and awareness among student volunteer leaders and the WIE (Women-in-Engineering) and GOLD (Graduates Of the Last Decade) affinity group leaders within Region 10. It promises to be an exciting event and participation in this joint event will be enriching and strongly encouraged.

Lawrence W.C. WONG
R10 Director

Vote & You Can Get Money for Your Section

The Region 10 will offer bonuses again in 2011, namely \$500, \$300 and \$200 to Sections with the highest voting percentage in the IEEE Elections 2011 .

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Upcoming IEEE Conferences in Region 10

IEEE Region 10 EXCOM Members

IEEE R10 News and Highlights

IEEE Region 10 Annual Meeting 2011

5 - 6 March 2011, Yogyakarta, Indonesia

Region 10 annual meeting was held from 5 to 6 March 2011 at Sheraton Mustika Resort & Spa, Yogyakarta, Indonesia. The meeting was attended by R10 Section and Council Chairs, R10 EXCOM members and distinguished guests from IEEE HQ. In total, 117 delegates were present. The distinguished guests from IEEE HQ included IEEE President-Elect Gordon Day, MGA Vice President Howard Michel, EAB Vice President Tariq Durrani, Division VII Director Enrique Tejera, Managing Director Cecilia Jankowski, Staff Director of Global Business Development Peter Sobel, and Senior Strategic Planning Manager, Helene Fung

The R10 Director and distinguished guests from IEEE HQ addressed the annual meeting in the morning session of the first day.

R10 Director Lawrence Wong welcomed all Section and Council Chairs, VIPs and EXCOM members. In his address, he presented R10 status and its goals for 2011 and 2012, which are (a) to bring more values to members, (b) to empower Sections and Chapters, (c) to strengthen inter-OU collaborations, and (d) to launch new initiatives program. Lawrence also presented the new Ops Com structure to the delegates. The new Ops Com structure, which consists of the Director, Director-elect, Secretary, Treasurer, Vice chair for membership activities, and Vice Chair for technical activities is designed to enable nimbleness to operation and decision making, as well as to facilitate stronger collaboration and accountability amongst R10 committees.

IEEE President-Elect, Gordon Day also gave an update of the IEEE, the past and present, the top countries with highest membership and IEEE's market share in top countries. The penetration rate in China is among the lowest, showing opportunity for growth there.

MGA Vice President, Howard Michel thanked the delegates for their volunteerism, and highlighted the mission & vision of MGA. He shared about the approaches (landscape) to deliver member benefits, which include (a) Tactical: Continue to deliver value in 2011, which includes solidifying the membership message, Centre for leadership excellence, vTools, SC11, (b) In between: Plans to grow and

broaden the conference program, (c) Strategic: Re-invigorate and re-invent geo units. Define (2011), bring together (2012), and implement in 2013.

EAB Vice President Tariq Durrani, talked about the possible areas for collaboration, such as (a) Pre-University Education (TryEngineering.org, Teacher In-Service Program), (b) University Education (Accreditation, Technical English Program, Real World Engineering Projects, Curriculum Resource Development), and (c) IEEE Eta Kappa Nu (HKN).

MGA Managing Director, Cecilia Jankowski highlighted the retention issue that IEEE faces. The first year retention remains key and MGA is focusing on improving the first year members' experience. She also shared about the key new initiatives launched by MGA, which include E-membership, myIEEE, IEEE.TV, What's new for student's newsletter, IEEE Press eBooks Classics, IEEE Center for Leadership Excellence (CLE), IEEE Contact Center Improvement, Rupee Payments for students in India, and Xtreme Programming.

The remaining sessions for the first day were reserved for presentation of reports by R10 Excom members. This included presentation, poster sessions, and discussions of R10 activities as well as budget for 2011. The afternoon sessions were spearheaded by the two Vice Chairs of R10. Below provides a summary of the covered.

R10 Vice Chair (Membership), Kukjin Chun, provided detail updates on the membership status of R10, and the recent award winners of R10. He went on to shared about the recent unruly formation of Sections and Chapters in R10, where member names were duplicated in multiple petitions. Moving forward, a revised and tighter procedure (having the involvement of elevation committee prior to R10 Director's approval) will be enforced to ensure that submitted petitions are legitimate.

R10 Vice Chair (Technical), Marzuki Khalid introduced the technical activities committee and highlighted the benefits of taking such an approach. He believed that such an approach will help members to be more supportive of one another's work and success. He also shared about the recent technical seminars - 2011 R10 DLP Workshop and IEEE Humanitech 2011 that were held back-to-back with R10 meetings.

A banquet and awards ceremony was held in the evening of 5 March, with Timothy Wong as the host. The evening was a pleasant time for the delegates to mingle and interact. Awards presentation at the 2011 R10 AGM dinner Banquet was coordinated by R10 Awards & Recognition committee chair, Takatoshi Minami. The following awards were



presented to the following proud recipients of:

- 2009 R10 Distinguished Large Section Award to Kerala Section
- 2009 R10 Distinguished Small Section Award to Wuhan Section
- 2010 R10 Outstanding Volunteer Award to K. Ramakrishna (Bangalore Section), Anil K. Roy (Gujarat Section), and John L. Robinson (New South Wales Section).
- 2010 R10 GOLD Award to Gowtham Prasad (Bangalore Section)
- 2010 MGA Achievement Award to Deepak Mathur (Gujarat Section)

The dinner closed with representatives from five Sections



(Bangkok, Colombo, Calcutta, Hyderabad, Tokyo) presented their proposals to host the 2012 Excom and R10 AGM.

On the second day, 6 March, the final version of the R10 budget was presented by Treasurer

Michael Ong. The budget was endorsed by R10 committee.

The rest of the morning was then largely dedicated to small group feedback and training.

The training workshops consist of two breakout sessions. One session was designed for new Chairs and the other was for experienced Chairs. Both sessions began with general feedback sessions, to allow delegates to raise questions, concerns, and suggestions on running of Sections. The session facilitators were Membership Development & Life Member Coordinator (Hang Bong Kang), Vice Chair for Membership Activities (Kukjin Chun), and Vice Chair for Technical Activities (Marzuki Khalid).

In addition to the feedback sessions, training sessions were organized to provide delegates with new knowledge. The trainers were Section & Chapter Coordinator (James Wang), Division VII Director (Enrique Tejera), and Vice President of MGA (Howard Michel).

Section & Chapter Coordinator, James Wang, shared with new Chairs the basic 101 of running a Section effectively.

He introduced the general structure of IEEE, how it is organized and what IEEE stands for. Next, he touched on the key areas to look out for in order to run a Section effectively.

Division VII Director, Enrique Tejera, dived deep to explain the relationship between MGA and TAB (Technical Activities Board), and the functions of TAB, Divisions, Societies and Councils. He also took the opportunity to cover the following areas, such as actions from Sections to promote Chapter activities, responsibilities of Sections and Chapters, and financial resources for Sections and Chapters. Enrique ended the training by making suggestions on how Chapters and Sections can provide benefits to the membership. Some of the suggestions include - making use of the Distinguished Lecturers Programs, identify where the potential is for formation of new technical Chapters, and establish programs to recognize outstanding members in the technical fields.

MGA Vice President of MGA, Howard Michel, took this time to engage the experienced Chairs on the shifting membership model of MGA. In the past, engaging the members meant more meetings. The new model presents a changed paradigm. Meetings must first meet the needs of members. This can be achieved through providing benefits that are relevant to members' life-cycle. Howard went on to share on (a) the top 10 importance/satisfaction/gap for higher grade members; observations and conclusions, (b) Life Cycle Portfolio grid, and (c) Retention vs. Recruitment rate.

After lunch the delegates were taken to a tour at Prambanan Temple. The team bonding activity, where spouses were also invited, continued over the dinner at Kraton and a traditional ballet performance at Pura Wisata.



Darrel Chong
Secretary, IEEE Region 10 Executive Committee



Awards presented at the 2011 Region 10 Annual Meeting



2009 R10 Distinguished Large Section Award was presented to the representatives of Kerala Section.



2009 R10 Distinguished Small Section Award was received by Prof. Menqi Zhou on behalf of the Wuhan Section at this meeting.



2010 R10 Outstanding Volunteer Award for K. Ramakrishna was presented to the representatives of Bangalore Section.



2010 R10 Outstanding Volunteer Award for Anil K. Roy was presented to the representative of Gujarat Section



2010 R10 Outstanding Volunteer Award for John L. Robinson was presented to the representative of New South Wales Section.



2010 R10 GOLD Award was presented to Gowtham Prasad of Bangalore Section.



Dr. Howard Michel, IEEE Vice President-MGA, presented the 2010 MGA Achievement Award to Deepak Mathur of Gujarat Section *“For his efforts in member development by engaging Region 10 members through enhanced Chapter activities”*.



Takatoshi Minami, Chair Awards & Recognition Committee



2010 R10 Distinguished Large and Small Section Awards

It is my pleasure and honor to announce the winners of the 2010 R10 Distinguished Large and Small Section Awards.

The R10 has selected Madras Section as the 2010 R10 Distinguished Large Section and Islamabad Section as the 2010 R10 Distinguished Small Section.

The selection of the two awards was based on the performance summarized in the 2010 Annual Report submitted by R10 Sections.

Award certificates will be presented to these winning Sections at the 2012 R10 Annual Meeting to be held early next year, and the cash bonus of USD1000 will be sent to each of them after the meeting.

Congratulations on the job well done by Madras and Islamabad Sections!

Takatoshi Minami

Chair, IEEE R10 Awards & Recognition Committee

IEEE Region 10 Logo Competition

The R10 Logo Competition held last year received more than 30 entries. Unfortunately the Logo Selection Committee could not find a winning entry with a logo suitable to reflect the diversity of our region. It was therefore decided not to select a winner this time.

The Logo Competition is now closed. Thanks to all those who submitted logo designs for the competition.

R10 Logo Committee

IEEE Sections Congress 2011

R10 Recommendations

Sections Congress brings together the IEEE's geographic unit leaders so they can share ideas, concerns and solutions. Section Congress offers a forum at which Section Chairs and other leaders are able to voice their opinions and concerns, generating recommendations that will be submitted to the IEEE MGA Board for action.

The SC2011 Recommendation process has been expanded to facilitate continuous engagement of members in pre and post congress activities. In addition, attendees will be asked to make a commitment & participant in developing solutions to the recommendations. These recommendations are intended to provide the MGA Board will specific guidance in regards to future priorities/projects. It was suggested that the recommendations should focus on "long term" issues. It is hoped that all recommendations support an MGA Goal and/or Strategy in regards to improving membership value, member engagement and/or the volunteer experience.

Each Region has been requested to submit up to 4 recommendations.

In this process all the Sections of Region 10 were requested to bring out issues/recommendations which address to most of the membership of the region and IEEE. Region 10 Sections did brainstorming and brought a total number of 36 issues. Most of the issues were very important with lot of concern for members. Due to the limitation of 4 recommendations per Region for Sections Congress 2011, the issues/recommendations were sent for poll (to all Sections and EXCOM). Four top most voted recommendations were selected. Efforts were also made to club similar issues and re-phrasing thereafter, to make each recommendation more effective.

Following are 4 recommendations of Region 10 which



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have been submitted to Sections Congress 2011.

Recommendation No. 1

The IEEE being a transnational organization, more opportunities for IEEE volunteer positions should be given across the IEEE. Opportunities should be roughly in proportion to the number of members in a particular region. The implementation needs to be speeded up.

Recommendation No. 2

Membership fee to be made more competitive considering regional economic differences, especially in developing countries for the benefit of the members/community and sustainable growth of IEEE. It is suggested to introduce an affordable e-Membership option for all grades of membership (Higher Grade/GSM/Student).

Recommendation No. 3

IEEE should expand and enlarge member benefits and employer recognitions for IEEE members in the industries by working closely with the industries senior managements with the IEEE local and also global IEEE bodies.

Recommendation No. 4

IEEE should develop region based Distinguished Lecture Programs to allow regional experts in various fields to shape the regional community and to lecture this community.

The submitted recommendations (from all Regions) will be reviewed by the MGA Operations Committee for clarity and duplication. The MGA Operations Committee, after consultation with the submitters may combine similar recommendations and/or recommend clarifying language.

Back up material concerning the issue addressed in the recommendation will be coordinated prior to Sections Congress. All recommendation will be distributed to SC2011 attendees by 1 August 2011.

The recommendations will be categorized and all SC2011 attendees will be assigned an issue caucus to discuss the merits of the recommendations in San Francisco. Following these discussions ALL SC2011 attendees will be asked to select their top five (5) recommendations.

Based on the feedback from SC2011 attendees, the top 20 recommendations will be prioritized by Primary Section Delegates on 22nd August 2011. The top 5 recommendations will be included as part of the MGA Project list for 2011 & beyond. The remaining recommendations will be reported as a pool. SC2011 participants will be encouraged to assist in developing solutions to the SC2011 recommendations.

(Source: IEEE SC 2011 Recommendation Submission Form)

**Deepak Mathur, IEEE Sections Congress 2011
Coordinator from Region 10**

IEEE Sections Congress 2011 Registration Open

IEEE Sections Congress 2011 (SC2011) will be held 19 - 22 August 2011, at the San Francisco Marriott Marquis, in San Francisco, California, USA. Registration for SC2011 is now open. [Information on time-specific breakout sessions, program details, and travel logistics](#) is also available.

Let's change the world

If you've ever wondered how much technology has changed our lives, and what more it is capable of doing, here's an interesting snippet. Region 10's volunteer-turned-staff, Helene Fung, has recently written a theme song for IEEE's humanitarian technology conference to be held in Seattle, USA, Oct-Nov 2011 (for more details about the conference see <http://www.ieeehtc.org/>). The song for this event in the USA was written in Singapore, at the request of an organizing committee member in Canada; but recording and production was done in her friend's home studio in Australia during a holiday visit. It was perhaps serendipity that the creative process was facilitated by the subject the song's about – technology, and its applications. As IEEE members, how are you advancing technology for humanity?

The song can be found here:

<http://soundcloud.com/helene-fung/lets-change-the-world>

Lyrics:

We were born connected to the land
Through the land, we're all connected to each other
Hand in hand, we can make this world a better place
Improving people's lives
Our lives have been changed by technology
Tomorrow, the future will be brighter
Hand in hand, so many people will benefit
A new day has dawned for us

We have a duty (Put our minds together)
To help each other (We can travel all the way)
Through technology (and with liberty), we can solve
problems
We have a duty (Let our hearts beat as one)
Since we're born to care for each other
Together, we can change the world
Together, we can change the world

[Click on the play button to listen the song](#)



Required Geographic Unit Compliance

It is important that every Geographic Unit is compliant with IEEE policy. As a reminder, your Geographic Unit should not hire staff or independent contractors and shall not lease or purchase real estate without proper authorization. Additionally, separate incorporation of IEEE Organizational Units is not normally permitted. Please e-mail MGA Staff with questions or comments related to general compliance or these IEEE Policies.

2011 IEEE ANNUAL ELECTIONS

IEEE President-Elect 2012 Candidates

(Candidates are listed in the alphabetical order by the last name)

Introductions and position statements of IEEE President-Elect 2012 candidates are presented below. The two candidates have also very graciously answered some questions from members in R10, which should help you to vote for the candidate you think the best.

Roger D. Pollard (IEEE Fellow)

The University of Leeds, UK (Retired)

Agilent Technologies, Santa Rosa, CA, USA

www.rogerpollard.org



Professional Biography

Roger Pollard's professional career has been in both academia and industry. Until September 2010, he was Professor and Dean of Engineering at the University of Leeds where he had been a faculty member since 1974. Since 1981, he has also been consulting engineer at

Agilent Technologies (formerly Hewlett-Packard Company), Santa Rosa, CA where he continues working on the next generation of network analyzers. He has made research contributions to high-frequency devices and is noted for work in microwave and millimeter-wave circuits, network measurements, calibration and error correction, terahertz technology and large-signal characterization.

He has authored technical contributions in books, over 150 journal articles, 3 patents and company and commercial publications.

Roger was elected to the UK's national academy, the Royal Academy of Engineering, in 2005 and is an IEEE Fellow, a Chartered Engineer and Fellow of the IET (formerly the IEE).

IEEE Accomplishments and Activities (M'77-SM'91-F'97) I have served in a wide range of IEEE volunteer roles. These include IEEE Vice-President, IEEE Secretary, IEEE Board of Directors, Technical Activities Board (including a term as its chairman), Publications, Services and Products Board, Awards Board, Fellow Committee, Admissions and Advancement Committee, and the New Initiatives Committee. I have focussed on strategic planning and contributed to numerous important developments.

As Chair of the TAB/PAB Electronic Products Committee I provided the leadership for the creation and launch of IEEE-Xplore, a world-class resource of technical information. I led the development of the Publication Services and Products Board strategic plan articulating the goal for IEEE to be the world's leader in technology information, offering a vision for the continued transformation to meet the evolving needs of IEEE's members and customers.

In the United Kingdom and Republic of Ireland Section, I have had most roles including Section Chair, Section and Region committee member, Chapter founder member, treasurer and chair and Membership Development Chair.

I served as Microwave Theory and Techniques Society President and chaired many of its committees including Publications, Membership, Transnational, Meetings, Long-Range Planning, Budget, Marketing and Publicity, Nominations and Appointments. I am proud to have pioneered the MTT-S electronic information activities (e-mail, WWW and electronic publishing including the complete digital archive of everything since the Society's 1952 foundation).

I have considerable experience of conference organization include responsibility as chair, publications and technical program. On the 1996 IEEE MTT-S International Microwave Symposium Steering Committee, I created the conference's first publication of the Digest on CD-ROM and have subsequently served as Technical Program Chair, 2006 IEEE MTT-S International Microwave Symposium, (approximately 1,000 submitted papers, 45 workshops, 10,000 attendees) as well as Co-Chair and Treasurer, 2006 European Microwave Week.

Position Statement

IEEE has been an important part of my 40-year career in academia and industry. Wishing to give back to the profession that has given me so much, as President, I would strive to maintain and grow the IEEE whose strengths are in its technical and regional diversity, highly committed volunteers and staff, and the international scope and reputation of its products and services.

IEEE should provide its members with their technical and geographic home and resources at all stages of their careers. Fulfilling IEEE's mission requires that its members are successful and their technologies benefit society at large. The key elements for IEEE's success are:

- Nurturing and sustaining global, diverse, decentralized communities.
- Support for new and emerging technologies through conferences promoting rapid communication of information, networking and community building.
- An efficient, effective, coherent, flexible, responsive, affordable and consistent infrastructure.
- Developing IEEE's vast database of technical articles into world-class tools and providing an indispensable resource for the widest range of practitioners.
- Increasing the range of membership opportunities and providing loyalty benefits.

My technical and leadership skills in university and industry and my breadth of IEEE volunteer experience in technical, regional, publications and conference activities equip me to work effectively with members, volunteers, staff and external organizations. Please support my belief that we need open communication, consensus building, imaginative problem solving and efficient use of resources building IEEE as a global community of professionals that satisfies present needs but has a bold vision for the future.

www.rogerpollard.org

2011 IEEE ANNUAL ELECTIONS

IEEE President-Elect 2012 Candidates

(Candidates are listed in the alphabetical order by the last name)

Peter W. Staecker (IEEE Life Fellow)

<http://www.peterstaecker.net>



Peter Staecker holds BS and EE degrees from MIT, and MS and PhD degrees from Polytechnic University. His professional career started in 1972 at MIT Lincoln Laboratory, where he developed microwave design and test techniques for satellite communications. In 1986 he joined M/A-COM, where he led program,

product and process development, then helped the company's transition from defense to commercial markets. During this period he also established strong ties with US and European universities and with research organizations. He retired from M/A-COM as Director of Research & Development.

Staecker served industry and government on manufacturing and advisory panels, and is consulting editor to Microwave Journal.

Staecker is Past-President and Honorary Life Member of the MTT Society, and is an IEEE Life Fellow. His 28 year service to IEEE includes leadership roles in Finance, Strategic Planning, Publications, and Membership. He has served on the IEEE Board of Directors for five years.

IEEE Accomplishments:

MTT-S Administrative Committee (from 1986):

- Created MTT's first digital Society Operations Manual
- Codified the MTT-S Awards portfolio and process and created its digital archive.
- Chaired the Site Selection process for MTT's International Microwave Symposium (IMS), chaired the meeting in 1991, and as Technical Program Chair introduced electronic paper submission in 2000.
- Organized and grew additional conferences, and served as Society President in 1993.
- Led IEEE Strategic Planning process adoption by MTT-S in 2008.
- Helped students and faculty establish IEEE and MTT-S Student Branches in China in 2008 and 2009.

Division IV Director (2001-2002: financial crisis)

- Led efforts to assure future financial operational stability,
- Worked with volunteers and staff to reduce expenses (e.g., trimming \$1M/year from membership costs)
- Developed performance metrics used today by Societies to monitor and improve their financial operations.

TAB Treasurer/ PSPB Treasurer (2003-2006: recovery)

- Encouraged Societies to invest in reducing technical journal manuscript backlog, and in digitizing archives for the IEEE Electronic Library.

- Chaired a 2006 PSPB Ad Hoc Committee on *IEEE Spectrum*, which recommended creating an electronic delivery platform (2006). Today, *IEEE Spectrum* is available as an iPad app.

VP-Elect/VP/Past VP TA (2006-2008: strategy)

- Engaged Graduates of the Last Decade (GOLD) with the IEEE Technical Activities Board (TAB). Societies with GOLD members in their administrative bodies tripled in two years.
- Led TAB through the process of developing and ratifying a comprehensive strategic plan.
- Chaired a Presidential Ad Hoc Committee on volunteer leadership, developing elements of a program to improve leadership skills that are now integrated into the IEEE N&A process.

IEEE Treasurer (2009-2010: recovery and investment)

- Led IEEE Finance Committee volunteer/staff efforts to reduce budget development time.
- Following two bad economic years, executed cost containment in 2009 and smart spending in 2010, using surplus to commit to extensive investments for new publication products.

Position Statement

As President I will deploy the collective strengths of our members in five principal areas:

Providing Life-long Career Support and Resources for IEEE Members

- Expand and strengthen IEEE continuing education and certification programs.
- Build IEEE's relevance to industry, partnering with industrial firms around the globe, and by recognizing achievements of members in industry, especially for elevation to Fellow member grade.
- Increase global and local professional activity support in career management/transition, and leadership training.

Advancing Technology

Extend IEEE's technical fields of interest to new areas and emerging technologies, including the smart grid, cloud computing, and bio-informatics.

Improving Quality of our Publications and Conferences

- Improve editorial and publishing metrics and reader feedback, thereby enhancing the quality of our publications.
- Secure the reputation of IEEE's technical conferences as *best in class*.

Deploying Technology for Humanitarian Purposes

- Apply the considerable strengths of the IEEE community for humanitarian purposes.
- Motivate and develop the best and brightest to lead IEEE's humanitarian efforts.

(Continued on next page)

Increasing the Value of IEEE Membership

Add benefits, features and access opportunities,

- ...globally, where perceived value has slowed growth, and in emerging economies.
- ...for professionals in their first 5 years of membership, who represent nearly half of our member base.

I will apply the leadership skills I have gained professionally and my 28-year experience as an IEEE volunteer.

I will be guided by respect for fellow volunteers and staff, recognition of the value of membership, and a thorough understanding of the business and culture of IEEE.

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IEEE President-Elect 2012 Candidates Reply to Questions from Members in R10

IEEE President-Elect candidates, Roger D. Pollard and Peter Staecker, were invited to answer six selected questions from IEEE members in Region 10. Here are their replies:

Q1. IEEE Standards are very poorly represented here (in Australia and rest of Region 10) and we need to beef up the presence, creation and development of standards in the Asia-Pacific region for existing and new areas of technology development. What IEEE's plan do you envisage on this aspect of IEEE activity?

(Olly D'Souza, IEEE NSW Section, Australia)

Roger: Encourage wider participation in standards development in Region 10 by greater publicity to members. It is not widely understood that anyone can join the Standards Association and participate in standards development. There are hundreds of standards projects in development at any time. We need to do a better job of telling members that they can join the working group on an existing project or initiate a new one.

Peter: The IEEE Standards Association (IEEE-SA) has been focused on developing a strong support structure within Asia since 2004, and has a standards presence within China, Korea, Japan, and India. Efforts include addressing standards development involvement and ensuring Asian presence in SA governance.

IEEE-SA has also addressed joint standards development programs with ISO, IEC, and ITU, allowing the SA awareness and interaction with country-based standards communities. The SA has sector membership with the ITU, and has joint development programs with ISO and IEC.

SA outreach is a volunteer/staff activity, with the goal of ensuring recognition as a global standards community. IEEE-SA has met on occasion with both IEEE members and other SDO organizations in Australia, and will return to Melbourne later this year for the annual IEC General Meeting. This offers an opportunity for you to discuss

your specific recommendations with SA volunteers and staff.

Q2. In Sri Lanka, and also some parts of the world, IEEE membership is not recognized as a professional qualification because (1) IEEE Membership is not one, which is offered after an evaluation and (2) there are other professional qualifications such as Chartered Engineer (C.Eng) offered by IET. I would like to know your views on this, and how IEEE is going to face to it?

(Rohan Munasinghe, Chair IEEE Sri Lanka Section)

Roger: IEEE membership does not purport to offer a qualification, nor do I believe that it should do so. Other organizations, by combining a qualification with membership, set themselves up as "gatekeepers" to the profession. We should be aiming to include and welcome as Members all practitioners in the full range of topics encompassed by IEEE.

Peter: In the UK, India and most countries... this form of "Chartered" engineer exists. The chartering body has government authority to charter...but it is basically a statement of "status" based qualifications, typically earned with a degree and often with some experience requirement and an application or testing process.

IEEE offers two "status" based qualifications, including Senior Member and Fellow, both of which are attained by peer-review. So while there is plenty of exclusivity associated with member grades of SM and F, the Member designation is relatively inclusive. Part of the periodic review of IEEE's Strategic Plan by the Board of Directors is the discussion of whether our member-driven organization should be inclusive or exclusive. The answer is that IEEE should offer the benefits of inclusive technical communities to as many professionals as possible, while also offering recognition at the highest levels based on technical merit and service to the profession.

Q3. How will the IEEE executive work (under your leadership) to ensure the IEEE as an organization is better engaged with local Sections and Chapters and members in the organization and running of IEEE conferences around the world? (Graham Town, IEEE NSW Section, Australia)

Roger: Successful conferences are based on the strong cooperation across IEEE entities and cooperation of both technical/professional, and geographic entities is crucial to the success of IEEE technical conferences. It is essential to ensure that activities are run smoothly and that volunteers are available to assist in running the conference. It should be a requirement that local Chapters and Sections are offered the opportunity to be involved in the organization of a conference before the selection of the conference location receives IEEE approvals and any arrangements have been made.

Peter: This is a problem that will be solved when conference organizers and the local IEEE volunteers find mutual value in cooperating to make a successful event. There must be a strong coupling among the organizers and the local volunteers to appreciate the local customs and use their mutual strengths to create a successful event for the attendees. Inclusion of local affinity groups such as WIE, GOLD, and Life Members are positive force multipliers for this cooperation. The Societies of

Technical Activities and the Sections and Affinity Groups of Member and Geographic Activities are working toward the goal of full cooperation, and will be assisted by the IEEE Conference Committee. Clear operating procedures and tracking history of conference operations under development will also help. I encourage all these efforts.

Q4. Do you think the engineering profession is vocal enough in public policy on technical issues, especially outside the United States? What role IEEE can play?

(Chuan-Zheng Lee, IEEE New Zealand Central Section)

Roger: The issues connected with public policy are usually best promoted locally by members who are connected with government and political processes. It is necessary that Regions (and perhaps Sections) see this as a high priority and set up groups to promote awareness of technical issues as a part of public policy. Many recent IEEE initiatives, such as in Smart Grid, the life sciences, the humanitarian projects and “Engineering 4 Change”, have global significance and should be promoted more widely. In many parts of the world, external intervention in these matters can be resented and local effort from IEEE volunteers can be effective. We could all learn from IEEE-USA which is a good example of how IEEE can be effective in influencing public policy in their own country.

Peter: It is important for engineers, both as individuals and as a profession, to actively engage in public decisions, especially where there are technology implications. Within the limits of its resources, IEEE-USA does this for IEEE U.S. members. It would be beneficial if members outside the United States had this same opportunity. That said, different forms of government require different forms of participation. IEEE can encourage and support member initiatives in various countries and can help initiate and/or coordinate efforts that transcend national or regional (e.g. European Union) boundaries. IEEE also has a legal responsibility to ensure all its entities are acting in compliance with national/regional governmental rules and regulations. Implementation, however, requires our national/regional member groups to take the initiative to define their policy interests, needs and priorities, and then we need to find the appropriate organizational and financial models to sustain that type of activity. IEEE-USA is one model that could be adapted and adopted where there is sufficient interest...and there are others that can be considered.

Q5. When the services to Region 10 and other non-US members will be same as those given to IEEE US-based members?

(Muhammad Shahab Siddiqui, Vice Chair, IEEE Karachi Section, Pakistan)

Roger: It is my view that all IEEE products and services should be equally available to all members, regardless of where they live. One way to improve things is to establish IEEE offices across the world. It is also important that non-US members, who are under-represented at the higher levels in the organization, participate as volunteers in the full range of activities all the way up to the Board of Directors. I will, with your help, use my best endeavours to make this happen.

Peter: Many benefits are the same (pubs, conferences, eLearning, certification), regardless of Region, so I assume you are referring to benefits such as Home and Office Services, Insurance Services, and Financial Services, currently in the portfolio of the IEEE Individual Benefits and Services Committee, and the portfolio name is changing from Financial Advantage Program to Discounts. Service providers for these discounts either need to spread their risk (in the case of insurance) over a large number of clients, or find enough customers in home and office services or financial services so that discounting prices to IEEE members still presents an acceptable business case for the service provider. The problem then is similar to that encountered in the previous question: The diversity of legal structures within countries in regions 8-10 have forced many global companies to operate as separate legal entities within each country, impeding progress in providing member discounts. Regional leaders must support their volunteers on IB&SC, who play a key role in bringing these discounts to their members. As Chair of IB&SC, the committee and I are working towards these solutions.

Q6. Major IEEE magazines such as Spectrum, The Institute and Societies’ magazines are very much US centric. What can be done to make them a reflection of the global nature of IEEE?

(Zia Ahmed, IEEE Region 10 EXCOM)

Roger: I agree that some of these periodicals reflect a US-centric view of IEEE. I would ask the editors of all periodicals (especially Spectrum and The Institute) to ensure that their editorial boards as well as the subject matter and authorship of the articles properly reflects the global character of IEEE.

Peter: I think we can agree that the technical excellence of IEEE knows no geographic boundaries, and this is the content appears in Society magazines (which are peer-reviewed), and in IEEE Spectrum, whose tagline is The Magazine for Technology Insiders. Spectrum ranks near the highest rated member benefit in IEEE and has both a North American and an International Edition.

To make your assertions more meaningful, I would be very interested in seeing the data that supports your case. With that, we can move forward together to create a solution.

The IEEE Annual Elections

The opportunity to vote in the IEEE Annual Election is a privilege of your membership. Your vote is important to the IEEE and for your Region. Remember that eligible members also include postgraduate students. Ballot packages will be mail to and electronic ballot access created for all IEEE members eligible to vote on or before 15 August.

To ensure your ballot package is delivered to the proper mailing address, please visit http://www.ieee.org/go/my_account and update your member profile if necessary. For further information about IEEE Annual elections, please visit: <http://www.ieee.org/elections> or email: corp-election@ieee.org.

IEEE News and Highlights

Call for Grant Applications

The IEEE Foundation accepts [grant applications](#) from charitable organizations, for new and innovative projects in January, April and September. The next date for grant applications is 12 Sept 2011. Please submit your grant application using the [online form](#).

Grant Applications are reviewed by a committee of the IEEE Foundation Board of Directors or the IEEE Life Members Committee. Approval of grants and funding arrangements are announced within one month of each IEEE Foundation Board meeting or IEEE Life Members Committee meeting. Please submit your grant application using the [online form](#).

The IEEE Foundation considers projects that:

1. Use technology for humanitarian causes
2. Improve math, science and technology education from pre-college through continuing education
3. Introduce pre-college students to engineering and science
4. Support professional development and conference participation for university students
5. Preserve and promote the history of IEEE associated technologies
6. Recognize major contributions to IEEE associated technologies.

Please review the IEEE Foundation's grant guidelines and direct your questions to foundation-office@ieee.org.

IEEE/IEEE-USA New Face of Engineering



Sampathkumar Veeraraghavan, originally from Madras Section and a recent electrical engineering graduate of Tufts University, was recognized as the IEEE/IEEE-USA New Face of Engineering. Veeraraghavan develops technological solutions to global humanitarian issues for disabled and impoverished women and children. He was one of 14 engineers featured in a full-page ad in the newspaper USA Today :

http://www.eweek.org/Site/Engineers/newfaces2011/EWE_EK_New_Faces.pdf

The New Faces of Engineering recognition program is sponsored by the National Engineers Week Foundation, a coalition of engineering societies, major corporations and government agencies. The program highlights the vitality, diversity and rich contributions of engineers under 30. They are honored annually during Engineers Week.

On receiving this recognition Sapatkumar says “*The recognition has motivated me to strongly pursue my passion towards designing engineering solutions to solve global humanitarian issues. In coming years, I will continue to develop many more technological solutions and will strive hard to bring in many more positive changes in the living conditions of people with disabilities. I deeply appreciate and thank IEEE for selecting and nominating me for this esteemed honor*”.

IEEE Solutionists Program

IEEE Solutionists Program Highlights IEEE Members' Contributions to Advancing Technology

IEEE has launched the [IEEE Solutionists](#) program which highlights how IEEE members are representative of tomorrow's Solutionist: identifying problems and solving them with technical innovations and solutions that make a difference and benefit humanity.

To introduce the program, the IEEE Public Visibility Committee created a new [microsite IEEE Solutionists](#), featuring global thought leader perspectives on engineering and technology. The site includes a series of articles from IEEE Fellows representing a wide range of technical disciplines and a video titled "IEEE Solutionists -- Engineers Inspiring a New Generation of What If," which shows how engineers are crossing multiple disciplines and industries to apply computing, technology, math, and science to solve complex world problems. [Read the full news release and view/share the video](#).

You can also suggest participants for the IEEE Solutionist social media program via [e-mail](#).

2011 Panel of Conference Organizers (POCO)

About POCO

The Panel of Conference Organizers (POCO) is the annual educational and networking event for IEEE Conference Organizers, Regional Conference Coordinators, and the Vice Presidents of Conferences for each society.

POCO is intended to serve the needs of the IEEE Conference Organizer, through education, discussion and access to 'Best Practices.' It is a forum to maintain a voice for the organizer community, to learn about and discuss conference issues with IEEE Staff, industry experts and your peers.

POCO is comprised of seminars, focused sessions and plenty of opportunity for attendees to exchange ideas, success stories and challenges with other IEEE Conference Organizers - all designed to foster a sense of community and create a global support network.

2011 POCO

The 2011 Panel of Conference Organizers (POCO) will be held in Beijing, People's Republic of China, 21-23 July at Raffles Beijing Hotel, 33 East Chang An Avenue.



2011 POCO will cover new approaches to planning and delivering winning conferences along with panel discussions, workshops and breakout sessions on everything that you need to know about managing your IEEE conference. You will also have the opportunity to meet IEEE Meetings and Conferences Staff for individual discussion and questions. Plus, many chances to network with other conference organizers and learn from their experiences and knowledge will be offered.

For more information, please visit:

http://www.ieee.org/conferences_events/conferences/organizers/poco/DF_IEEE_MIG_MCT_106645

Please do vote in the IEEE election; your vote is important for the Region 10

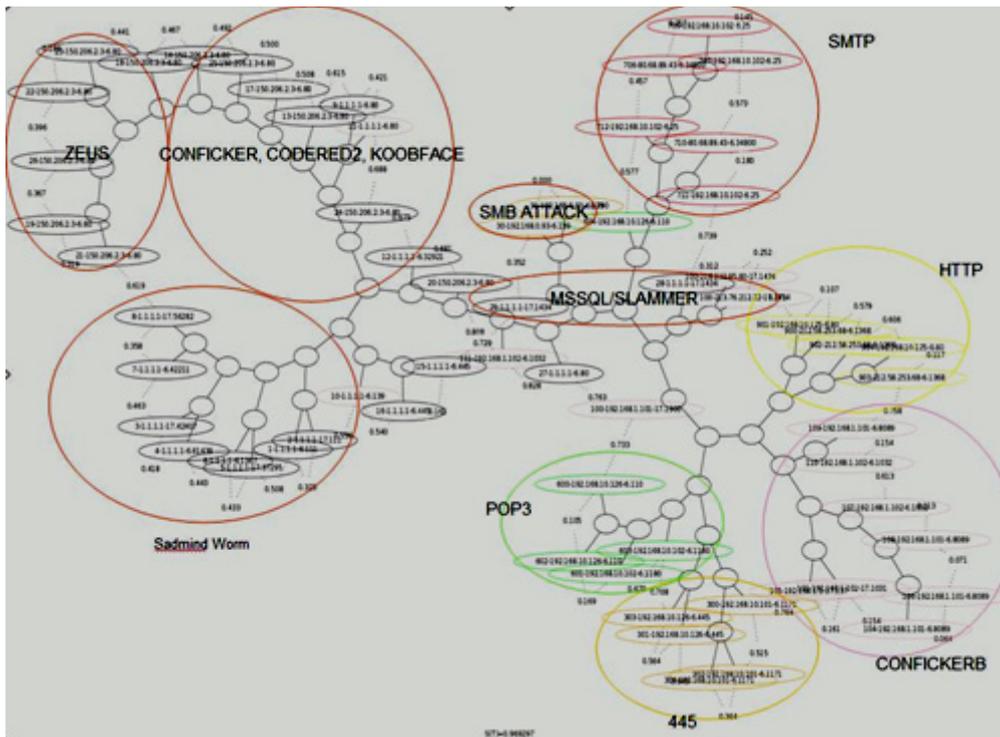


Figure 2: Clusters of network traffic detected by the IDS



Fahim Abbasi, PhD Candidate, Massey University, IEEE New Zealand Central Section
My Interests include:
Intrusion Detection Systems, Honeypots and Honeynets, Studying Botnets, Pen Testing, Web based attacks, Studying

Malware, Reverse Engineering Malware

URL: <http://seat.massey.ac.nz/projects/honeynet/>



Supervisor: Professor Richard Harris, Chair in Telecommunications and Network Engineering SMIEEE, FIPENZ- CPEng (NZ), Massey University. Chair of IEEE New Zealand Central Section.

Research at Jadavpur University, Kolkata

Condition Monitoring of Remote Equipment through Commercial Cellular Network

Prof. Sivaji Chakravorti SMIEEE, Dr. Debangshu Dey, MIEEE and Dr. Biswendu Chatterjee

Research work at Jadavpur University is being carried out for remote condition monitoring of equipment by using the commercial mobile communication network.

Now-a-days the mobile communication network is well spread and is accessible from almost everywhere. The present research work uses the existing mobile communication network to transmit condition monitoring signal in the form of analog electrical signal that commonly has different frequency and waveform than that of voice signal and falls outside the bandwidth of the normal telephony. The continuous time varying condition monitoring signal is transmitted from a remote place and is received at a different place in real time for continuous condition monitoring of the equipment. While majority of

the available systems of similar type transmit some specific change of state of the subject under concern, this research output can be used to identify any intermediate state / gradual change of the subject under monitoring as it captures continuous condition monitoring data in real time over user defined span of time.

Since the transmitted condition monitoring waveform is commonly outside the bandwidth of the normal telephony, the signal pattern received could be different from that of the transmitted pattern. On reception of the signal, a suitable algorithm is used to extract significant features from the received signal so that the condition of the system could be judged by examining these features.

It is important to note here that one way of sending time-series data is to first save the data in text form and then send it in text transmission mode. Contrary to text transmission, the present research work transmits and receives the continuously time-varying electrical signal in real time using the common mobile communication transmission protocols. Implementation of the present scheme for the

remote condition monitoring of high voltage insulators has been carried out successfully by our research group at the High Tension Laboratory of Jadavpur University, Kolkata. In this implementation the leakage current signals from 11kV high voltage insulators that are under operation have been sent through the commercial cellular network and the same is received in a remote unit to assess the condition of the insulator. PCT, US and Indian patent applications have been submitted for this invention.

Current number of Masters and PhD Scholars enrolled are:

PhD Scholars: Five
Masters: Three

Collaboration Opportunities: Jadavpur University encourages personnel/student exchanges and joint research activities with other institutes under the framework of agreed memorandum of understanding signed between the two parties. A few examples are given below:

- 1) Dual PhD Degree program with Virginia Tech, USA.
- 2) Research collaborations with York University, Canada, Lund University, Sweden, Ulster University, Ireland, Trento University, Italy, Hadley Center, Govt of UK, Brunel University, UK, Federal University of Minas Gerais, Brazil, University of Newcastle upon Tyne, Kings College, London, UK, University of North Carolina, Charlotte, and University of Connecticut, USA.
- 3) Personnel Exchange with Institut fuer Informatik, TU Muenchen, Germany.
- 4) Student exchange program with University of Applied Sciences Augsburg Germany, University of North Carolina, Charlotte and North Virginia Community College, USA, Eschola de Arte, Ourense, Spain, Brunel University, UK.
- 5) Training programme to the pre-final year students in Printing Engineering Dept by Heidelberg Print Media Academy, Germany.



Dr. Sivaji Chakravorti did his BEE, MEE and PhD from Jadavpur University, Kolkata, India, in 1983, 1985 and 1993, respectively. He is currently Professor of Electrical Engineering at Jadavpur University. He worked at the Technical University Munich and also at ABB Corporate Research at Ladenburg,

Germany, as Humboldt Research Fellow. He worked as guest scientist at the Virginia Tech, USA, and at Technical University Hamburg-Harburg, Germany. He had served as Development Engineer in Siemens AG in Berlin. He is the recipient of AICTE Technology Day Award for best R&D project. He is a Fellow of Indian National Academy of Engineering, a senior member of IEEE and distinguished lecturer of IEEE Power & Energy Society. He has published about 130 research papers and has authored a book. His current fields of interest are numerical field computation, computer aided design of insulation system, condition monitoring of high voltage equipment and lifelong learning techniques.

Prof. Sivaji Chakravorti SMIEEE
Chair, IEEE Calcutta Section & In-Charge, High Tension Laboratory, Jadavpur University, Kolkata 700, India
Email: s_chakravorti@ieee.org

IEEE R10 Councils & Sections News and Highlights

IEEE Bangalore Section, India

International Vacuum Electronics Conference 2011 (IEEE-IVEC-2011)

The XII IEEE International Vacuum Electronics Conference 2011 (IEEE-IVEC-2011), the annual gathering of vacuum electronic device and system professionals from around the world, was held at the JN Tata Auditorium, National Science Seminar Complex, Bangalore, India from 21 – 24 February, 2011. This year's event was the first in India and the third in Asia and was conducted successfully with cherishable memories.

The event was organized by the IEEE-EDS Vacuum Electronics Committee, USA, with technical sponsorship of IEEE Bangalore Section and IEEE ED/SSC Joint Chapter, Bangalore, and hosted by Microwave Tube Research and Development Centre (MTRDC), Defence Research & Development Organisation, Bangalore, India. The Defence Research & Development Organisation, New Delhi and Bharat Electronics Limited (BEL), Bangalore were the major sponsors for the event. Various other Indian government organizations and societies, like, Vacuum Electronics Devices & Applications (VEDA) Society, Institute of Electronics & Telecommunication Engineers, Department of Science & Technology, Department of Information Technology, Board of Research in Nuclear Sciences, Department of Atomic Energy, Council of Scientific & Industrial Research, Central Electronics Engineering Research Institute-Pilani, Indian Space Research Organisation, Board of Research in Fusion Science & Technology, Aeronautical Development Agency, were the cosponsors for the event. Thales Electron Devices, France, and Computer Simulation Technology, Germany were the Diamond Sponsors and Versabyte Data Systems Private Limited, India was the Gold Sponsor.

The event featured two parallel pre-conference tutorials, one on Microwave Tubes and the other on High Power Microwaves on February 21, 2011. The Microwave Tubes Tutorial lectures were delivered by a group of international faculties from Germany, India, Italy, Russia, and USA, and attended by 67 local and 18 global participants. On the other hand, the High Power Microwaves Tutorial lectures were delivered by a renowned High Power Microwaves expert Dr. D V Giri, Protech, USA, and attended by 60 local and 3 overseas participants.

On February 22, 2011, the conference was inaugurated by Padmabhushan, Dr. Amarjeet Singh, Ex-Director CEERI-Pilani, and Visiting Scientist, University of Maryland, USA, and presided over by Shri A K Datt, Chairman & Managing Director, Bharat Electronics Limited, India. During the inauguration, a brief about the event was presented by Dr. Lalit Kumar, Director, Microwave Tube R&D Centre & General Chair, IEEE-IVEC-2011. The conference souvenir was released by Sri I V Sarma, Director (R&D) Bharat Electronics Limited, India, & General Co-chair, IEEE-IVEC-2011. John R Pierce Award for Excellence in Vacuum Electronics was announced by Dr. Baruch Levush, Chair IEEE-EDS-VEC. Vote of thanks was given by Dr. K S Bhat, Associate Director, Microwave Tube R&D Centre & Technical Chair.

There were nine plenary talks by eminent speakers from China, India, Germany, Russia, UK and the USA in the three plenary sessions, one on each day. A total of 98 (41 local and 57 global) oral papers were presented over 20 technical sessions, and the 4 poster sessions consisting of 147 (58 local and 89 global) poster papers also received good response from the delegates around the globe. The sessions were attended by around 250 local and 90 global delegates from 16 countries. The topics covered in the oral sessions included: Travelling-Wave Tubes, Space Travelling-Wave Tubes, Klystrons and Inductive Output Tubes, Extended Interaction Klystrons, Sheet Beam Devices, Multi Beam Devices, THz Devices, Plasma-Filled Devices, Magnetrons, Gyrotrons, Gyro-Travelling-Wave Tubes, Cathodes, Nano-electronics – Field Emitters, TWT Slow-Wave Structures, Device modelling, Travelling-wave Tube modelling, High Power Microwaves, Electron Optics, Subsystems, Materials & Technologies, THz Technologies, and Vacuum Electronic Device Applications.

A Vacuum Electronic Devices and Systems Expo was organized at the IEEE-IVEC-2011 venue by VEDA-Society, in which there were 14 exhibition stalls of 9 exhibitor companies with 17 exhibitor participants (5 local and 4 global). The delegates of the conference found it a good opportunity to discuss their specific requirements with the representatives of the exhibitor companies.

A cultural function was organized followed by banquet at the historical Bangalore Palace, where the Best Student Paper Award was announced for Paul Larsen of Naval Research Laboratory, USA and the John R Pierce Award for Excellence in Vacuum Electronics, Prof. Michael Petelin, IAP, Russia was honored in traditional Karnataka style.

VV Srinivasan
Chair, IEEE Bangalore Section, India

New Zealand South Section

Farewell of Associate Professor Richard Duke

Richard Duke has been a long-serving member of the New Zealand South Section Committee and was farewelled from the Section on the 18th of April. He has left Christchurch and gone to live in Hamilton for health reasons.

Richard joined the Section Committee in the early 90's and was Chair in 1992-1995. He has been on the committee ever since (except when on a sabbatical) and has had a number of roles with the principal one being liaison with industry and other technical societies. He was also Chair again in 2005.

Richard has also been active in the wider region and has attended a number of Region 10 meetings.

He is also well known for his academic work in the area of power electronics and, in particular, electric vehicles.

He will be missed by the Section but the members wish him and his wife Christine the very best as they settle into their new location in the North Island.



Robin Harrington (Past Chair on left) farewelling Richard Duke (centre) with Harsha Sirisena (right)

Robin Harrington
New Zealand South Section Chair 2010



Inauguration of IVEC-2011

IEEE Taipei Section

2011 ISSCC Paper Rehearsal

The International Solid-State Circuits Conference is the foremost global forum for presentation of advances in solid-state circuits and systems-on-a-chip. The conference offers a unique opportunity for engineers working at the cutting edge of IC design and application to maintain technical currency and to network with leading experts.

According to instructions of ISSCC LRPC (Long Range Planning Committee) and FETC (Far East Technical Committee), speaker's rehearsal is especially important for all the speakers attending to maintain its prestigious quality. On 28 Jan 2011, the SSCS Taipei Chapter hosted a speaker's rehearsal for the papers from Taiwan to be presented at ISSCC 2011.



Paper rehearsal session

Design Challenges of Multi-Standard Radios on Scaled CMOS

Wireless technologies have become the fundamental elements in today's life. With the advances in CMOS technology and many proposed novel wireless circuit techniques, this trend is further pushed to a foreseeable versatile life style in the future with the affordable price. This talk on 23 March 2011 exactly aimed for that goal and presented two key techniques which are digital-assisted RF system and reconfigurable multi-standard radios. Because of this prospective study, not only students but many friends from industry also attend this seminar.

The key points of this talk are summarized as followed. Dr. Fu started the talk from the aspect of cost for realizing a radio system. He used Intel SOC Tick-Tock Model to clearly illustrate the significance and necessity of these two key techniques and the importance of integration with digital circuits. Opportunities and challenges of these two techniques were also given, including requirement of high linear front-end, high dynamic range data converter, low phase noise signal source, low out-of-band emission, regulation, and good isolation. He also described how combining digital techniques can provide many advantages, including digital calibration, realizing analog chip and digital chip in SOC, increasing the scalability, speeding up the time to market. Dr. Fu then presented reconfigurable digital transmitter architecture that does not need front-end module. This architecture can be digitally controlled and support multi-standard application. Moreover, Dr. Fu also presented three novel circuit designs in Intel published in the top most circuit design conference, ISSCC and ESSCIRC, including a 2.5 GHz LNA integrated T/R switch,

a 2.5 GHz high linear class AB PA, and a 2.5 GHz class D out phasing PA. This talk gave us a chance to access the newest wireless techniques. We also gain valuable practical experience during Q&A session.



Recent Advances in RF Frequency Synthesis and Transmit Modulation Date: 2011.03.30

Dr. Staszewski introduced some advance research studies on RF frequency synthesis and transmit modulation. As the VLSI technologies advance to the nano-meter CMOS arena, all-digital phase-locked loop (ADPLL) frequency synthesizers have drawn tremendous research efforts recently. Conventional charge-pump based analog PLLs suffer from lots of problem, including loop filter leakage, charge-pump distortions and reference spurs. Compare to conventional structures, ADPLL not only circumvents all above design issues, but also ideally realize true phase domain operation.

In a highly-scaled CMOS technology, time-domain resolution of a digital signal edge transition is superior to voltage resolution of analog signals, and the time-domain resolution can even reach to 20ps in 40-nm CMOS. Since highly resolution can be easily achieved, constructing an ideal phase-domain operation becomes possible. The integer phase error is easily calculated by detecting the rising edges of the ideal reference phase and the actual measured variable phase, and then subtracting the phase results. The fractional phase error is detected by time-to-digital converter (TDC), including an inverter chain, a series of resampling DFF, parallel-thermometer-code detector, and a normalizer.

The most important design, the oscillator, can be digitally realized because of the tremendous progress of CMOS technology. The smallest size of varactor provides only tens of atto-farad capacitance, so a large linear varactor in conventional VCO is replaced with a large number of tiny binary-controlled varactors in a digitally-controlled oscillator (DCO). The LC-tank based oscillator has 4 tuning banks, including PVT, acquisition, tracking integer, and tracking fraction, and the frequency resolution of each bank is 4 MHz, 200 kHz, 12 kHz, and 12 kHz, respectively. In order to get higher frequency resolution, the tracking fraction bank is modulated by a 3rd order sigma-delta modulator(SDM), so, according to the dithering of the SDM, it breaks the periodicity for DCO static inputs which strongly reduces the reference spur issue. Finally Dr. Staszewski briefly introduced wide bandwidth ADPLL and software-defined PLL.

Prof. Sy-Yen Kuo
Chair, Taipei Section 2011

IEEE AP-MTT Calcutta Chapter, India

Outreach Program at NIT Durgapur

An Outreach Program of the Chapter was organized at ECE Department of National Institute of Technology Durgapur, about 192 km. away from the city of Kolkata that is the main office of the Chapter. The program was in the form of one-day seminar addressing Antenna Technology and EMI issues. Prof. D. R. Poddar, Jadavpur University and Prof. D. Guha, University of Calcutta were the primary speakers. This event was aimed to encourage the faculty and students of this department. The Chapter has got four new members this year from this department. Chapter Chair addressed the audience and met the IEEE members separately to discuss the possibilities of organizing some events at the industry city of Durgapur in the near future. The lunch was sponsored by Jyoti Electronics., Ahmedabad and Pinnacle Infotech. Pvt. Ltd, Durgapur. This program was attended by 49 participants including 8 IEEE members and 41 students.



Dr. Poddar and Dr Guha addressing the audience

Lecture Meeting addressed by AP-S President

IEEE AP-S President Prof. Magdalena Salazar Palma addressed an audience on March 10, 2011 at the Department of Electronics and Communication Engineering, Bengal Engineering and Science University (BESU), Shibpur, one of the premier Engineering Institutes of Asia. This lecture meeting was jointly organized by IEEE AP-MTT Calcutta Chapter and ECE Dept, BESU. This meeting was attended by 21 IEEE members and more than 50 young researchers, students and faculty members. Prof. Salazar inspired the audience to join IEEE and invited the students to form Student Branch. In her technical talk, she addressed "A History/Chronology of Broadcasting". The concluding speaker of the meeting was Prof. T. K. Sarkar of Syracuse University. He talked on "RFID Standards". Both technical talks were highly appreciated by the audience. The meeting was followed by a banquet dinner in a floating restaurant on river Ganges.



IEEE AP-S President Prof. Magdalena Salazar Palma addressing the audience

Dr. Debatosh Guha
AP-MTT Calcutta Chapter

IEEE New Zealand Central Section

IEEE Best Paper Award

IEEE DONALD G. FINK PRIZE PAPER AWARD

For the IEEE 2011 Best Paper awards there are 3 co-recipients of this prestigious award this year. Included in the list of recipients is Mansoor Shafi (from our executive Committee).



Mansoor Shafi (FIEEE) from Telecom New Zealand, Wellington, New Zealand is affiliated with the Communications Society and Vehicular Technology Society. He is a co-author with two others of the winning paper entitled "Propagation Issues for Cognitive Radio," Proceedings of the IEEE, Vol. 97, No. 5, May 2009.

On behalf of the NZ Central Section Committee, we congratulate Mansoor on his wonderful achievement!

Professor Richard Harris
Chair, IEEE New Zealand Central Section

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For more information, please visit IEEE Job Site at:
<http://careers.ieee.org/>

Please do vote in the IEEE election; your vote is important for the Region 10

IEEE Bombay Section and MP Subsection

In Memoriam



Dr. Manohar Chandwani was born on 6th November 1958. He completed his education in the field of computer engineering with a doctorate degree. Dr. Chandwani professionally served in the field on education as a well-known professor and research scholar. He was working as Professor and Director, Institute of Engineering and Technology, Indore University, Indore. He was well recognized in professional circles. Many other professional bodies also recognized his excellence; he was Fellow IE, Fellow IETE, Member ACM, Life Member ISTE, He joined CSI family in the year 1990 and was also honoured as a Fellow of CSI 2009.

He received several honours from various other professional societies in recognition of his excellence and immense contribution to the promotion of research and developments in IT including Fellowship of IE, IETE, Senior Membership of IEEE and Life Membership of ISTE.

Contribution of Dr. Chandwani includes:

Contribution Made to IT Profession

- As faculty member, Initiated Computer Engineering Education (BE & ME) at Shri GS Institute of Technology and Science (SGSITS), Indore in 1983 & 1986.
- Conducted ISTE sponsored Correspondence-cum-Contact Continuing Computer Education Program at SGSITS, Indore during 1987-1990
- Authored teachers' manuals for ISTE in the subjects Language Processors, Operating Systems and Computers & Society in 1987.
- Conducted many computing and IT related short term courses on behalf of ISTE, CSI and IE (India) during 1990-1995.
- Authored two books "Elements of Computer Science" and "Computer System & Data Analysis." Jain Brothers, New Delhi, 1993 for AMIE Syllabi. Also authored another book "Computing & Informatics" in 2005.
- Earned first ever PhD in Computer Engg in the State of MP in 1994.
- Completed one R&D project sanctioned by MHRD, New Delhi on "Natural Language Processing and Machine Learning" 1994
- As Professor, started Computer Engineering Department at Shri Vaishnav Institute of Technology & Science, Indore in 1996.
- As Professor in-charge, started Computer Management Lab in Shri GS Institute of Management and Research in 1998.
- Started Computer Engg, IT Branches at Institute of Engineering & Technology, Devi Ahilya University (IET-DAVV), Indore in capacity as Professor and Director in 1998-2000.
- Established campus wide IT Network in the Institute with over 400 terminals in 2003-2008

- Established IT Training Division in Impetus InfoTech Indore during 2000-2002 in capacity of Director Training.
- He guided over 100 UG projects, over 100 PG dissertations and 9 PhD theses in the area of Computing & IT.
- Authored over 100 research papers in period of 1998-2010.
- Member of professional bodies such as IEEE, ACM, IETE and IE for the last 20 years.
- Chairman of IEEE MP Subsection in 2009 & 2010.
- Delivered over 200 expert talks in the IT and computing stream in last 25 years.
- Represented as an IT expert in many forums- AICTE, UGC, Universities, UPSC, MPPSC in the years 2000-2010.
- Member of Screening Committee of DOEACC 2009-2010.

Contributions made to IEEE

1. He was Chair IEEE MP subsection from 2008-2010
2. Chair, IEEE Computer Society Chapter 2011
3. Organized around 23 technical session in the Engineering College of MP
4. Inaugurated five IEEE Student Branches during his chairmanship of IEEE MP Subsection.
5. Inaugurated one IEEE Computer Society Student Branch and one WIE Student Branch in MP.

Honours/ Professional Recognition

1. Fellowship Award for outstanding contribution to CSI, 2009
2. Received Merit Award for the research paper published in the Journal of IE (India), 1994.
3. Received ME Gold Medal, 1984.
4. Received Rs.100/- and Certificate of Merit from President of India, 1975.

IEEE Member Discounts

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News from WIE Affinity Groups

DR NGPIT IEEE-WIE Affinity Group

Awareness Camp On “Health Education for Women”

IEEE-WIE AFFINITY GROUP of Dr Nalla Goundar Palaniswami Institute Of Technology (DRNGPIT), Coimbatore, India organized an awareness camp on “Health Education for Women” on 14 March 2011. Ms. V. Priyadharshini, WIE Coordinator DRNGPIT welcomed the gathering.



Dr. Thavamani D. Palaniswami, Secretary DRNGPIT, who is also medical doctor, in her keynote address quoted that the food habits of today’s teens have to be changed. They have to give importance to their physic besides technical education. Healthy body makes a sound mind which will prepare the students to build a healthy nation.

Dr. Sathyavathy, Medical Officer at Kovai Medical Center and Hospital, was adorned as the special guest. She cited that woman’s body is a delicate but complex entity. She has to be educated about her physic and health education begins at home. She stated that reassurance is very important for the teens residing away from their home for the first time. She threw light on the basic women hormonal changes, symptoms and remedies. She strictly mentioned that cleanliness is very important for every woman.

An interactive session was also arranged which gave



opportunity for the audience to clarify their doubts.

Mrs. P. Pradeepa, Coordinator WIE DRNGPIT Affinity Group delivered the vote of thanks. WIE coordinators and more than 400 women students of DRNGPIT attended the awareness programme and benefited. Dr. K. Porkumaran, Vice Principal and IEEE Student Branch Counselor convened the programme

Dr. K. Porkumaran

Dr. NGPIT IEEE Student Branch Counselor

IEEE R10 Student Branches News and Highlights

IEEE Calcutta University Student Branch

Indian National Science Day Celebrations

IEEE Calcutta University Branch celebrated the “Indian National Science Day” on March 11, 2011 as a joint organiser of the IEEE Photonics Society Calcutta Chapter. February 28 is designated as the National Science Day in India. Due to some unavoidable circumstances it was celebrated at a later date this year. The purpose of the Science Day celebration is the popularization of science and to create science awareness among the mass.



For this event, students from selected schools/colleges are invited to participate at no cost. The importance of studying science and the role of students in the community are explained. Basic demonstrations for hands-on experience by students on science topics are sldo arranged. This year demonstrations were mainly based on the basic sciences models that students learn in books at schools and would help them to learn science faster. The IEEE CUSB Branch and the students and research scholars of Institute of Radio Physics & Electronics at the University took part in the demonstration of models. Science demos included Convection of Heat, Properties of light (pinhole camera, reflection, refraction, optical illusion etc), Electricity (Ohm’s law , Quiz Circuit, Rain Alarm), Electromagnetism (Faraday’s Law Automatic Pump), Chemistry (Vanishing colour, Science versus Superstition), CRT-Showing electrodes and circuits inside, LED and LCD, Laser, Optical Fiber and Voice link. Total number of participants including students and teachers of two schools were around 150. All students enjoyed the event very much and showed immense enthusiasm. Requests are made by teachers of schools and colleges to hold more similar events.



A university student explaining electro magnetism to school children by a simple model.

Prof. Nikhil Ranjan Das, Institute of Radio Physics and Electronics, University of Calcutta

Please do vote in the IEEE election; your vote is important for the Region 10

IEEE NUST SEECS Student Branch, Islamabad

EQUINOX – IEEE ECO Drive

Equinox – IEEE Eco Drive was an initiative taken by the IEEE Student Branch at National University of Sciences and Technology, School of Electrical Engineering and Computer Science to spread awareness amongst the youth of Pakistan regarding the perils to the environment today. Held on 9th and 10th April 2011, the event attracted participants from the constituent colleges of NUST as well as universities from Islamabad, Rawalpindi and Peshawar. The program was designed to spread maximum environmental awareness amongst the youth while challenging the participants with exciting competitions. Some of the thought inducing events included:

Koora Karkat (Garbage) Creativity: This event was a relatively new concept designed to promote recycling and reusing. The participating teams were provided with 'Koora Karkat' (garbage) including empty plastic bottles, wrappers and newspapers out of which they had to design and construct creative art pieces. The event brought forth the hidden artistic talents of the participating engineers as they constructed beautiful art pieces with thought provoking themes out of trash.



Cycle Racing (Green Vehicle Panorama): An exhilarating cycle race was held where several participants competed and raced against each other on a set route around the NUST campus. This event created awareness regarding the relatively obsolete use of green vehicles for transportation.



On Spot Photography Competition (Theme: Reckless litter around campus): This event was meant to be an anti-littering exercise. The participants were given a fixed amount of time to photograph any reckless litter in the NUST campus. The revealing images of litter served to be

an eye-opener for both the participants and the organizers and promoted a sense of responsibility towards the environment.

Other events included: Trash Robo Competition, screening of movie *An Inconvenient Truth*, E-gaming, Rocket Launching Competition and environmental themed Quiz Competition.

Equinox – IEEE Eco Drive was an event with a cause and ultimately achieved its purpose of spreading awareness. Maryam Syed, Vice President Equinox in her closing speech said, *“I designed this event to spread much needed environmental awareness amongst the youth of our country. It gives me immense satisfaction that the event achieved that goal.”* Salman Majeed, President Equinox described the event in these words, *“Equinox – IEEE Eco Drive is a perfect amalgamation of entertainment with a moral cause. Environmental education for the youth is pertinent in today’s world.”*

The closing ceremony of the event was attended by Dr. Arshad Ali, Principle of the NUST SEECS who whole heartedly praised the efforts of the organizing team. He said in his speech, *“Extracurricular activities are extremely important for the development and mental growth of the students. I am proud of the IEEE SEECS Student Branch for taking the initiative of organizing an event with such a noble cause”*. Counsellor IEEE SEECS Mr. Aamir Jelani supported the idea and theme of the event throughout and greatly helped the organizing team in successfully conducting the entire program.

An event like Equinox was the first of its kind to be held at NUST SEECS. However, such thought provoking events promoting such a noble concept will now be periodically organized by the IEEE SEECS Student Branch in the coming academic semesters too.

NUST School of Electrical Engineering and Computer Science, an institute of engineering in Islamabad Pakistan, is a hub of progressive research and interactive student activities. The IEEE Student Branch here is a vibrant student body that is involved in arranging challenging events, seminars and technical workshops throughout the academic year.



Equinox organizing Team

Maryam Syed, Vice President Equinox Team
IEEE NUST SEECS, Islamabad, Pakistan



The IEEE Student Chapter of Silicon Institute of Technology, Bhubaneswar, India

IEEE TECH QUIZZARD - THE INTRA COLLEGE TECHNICAL QUIZ

The IEEE Student Chapter of Silicon Institute of Technology, Bhubaneswar, conducted an intra college technical quiz. The quiz was held in two rounds. Round 1 was a written preliminary round which was held on 22nd Feb 2011. The participation of the students was very inspiring with more than 85 teams (consisting of two members per team) appearing in the preliminary round. Nine teams were selected for the final round. The final round was held on 16th of March 2011. The event was judged and presided by distinguished faculties of the college who encouraged the students. The event was a success and the Student Chapter at Silicon Institute looks forward to conducting such events in future on a larger scale.



Winners of the final round

**Prof. A. K. Tripathy, IEEE Student Branch Counsellor
Silicon Institute of Technology Bhubaneswar, India**

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IEEE Student Branch at Kansai University Osaka, Japan

A New SB at Kansai University

Kansai University is one of the representative private universities located in Kansai, the west part of Japan. The university was founded in 1886 and has grown into large institution with a long history. It consists of 13 faculties and has 30,000 new students every year. Faculty of Engineering was established in 1958 and now consists of 3 faculties: Engineering Science, Environmental and Urban Engineering and Chemistry Materials and Bioengineering. In these faculties, there are about 2000 undergraduates and 800 graduates.

In October 2010, students of Department of Electrical and Electronic Engineering organized a Student Branch to provide the technical and educational benefit offered by IEEE, to all students in the engineering course. It was approved as the name "IEEE - Student Branch at Kansai University" and became a part of Region 10, IEEE Kansai Section. A kickoff seminar was held at the university to announce the formation and the orientation of the Student Branch. Some students' research programs were discussed by all participants.



Kickoff Seminar at Kansai University

The official website of this Student Branch is currently underdevelopment at the following address:

<http://image.densi.kansai-u.ac.jp/~ieec/>

**Kenta Iwai
Chair Student Branch at Kansai University, Japan**

IEEE Student Branch NIT Warangal

One Week Tutorial on Matlab Simulink

A 6 day MATLAB tutorial workshop was organized by the IEEE Student Branch, National Institute of Technology, Warangal in association with Electrical Engineering Association (EEA), NIT Warangal and in technical collaboration from IEEE PES/IAS/PELS Joint Chapter, Hyderabad Section from 24th to 31st January. It covered all the fundamental aspects of this high level technical language, with a prime focus on educational and industry specific applications. The basic objective of the workshop was to provide the students and young engineers with the essential knowledge of the Matlab interface, command window, basic manipulation, advanced programming, visualization schemes/plotting techniques and to take them to the advanced concept of modeling using Toolboxes like

Control Systems, Image Processing, Signal Processing, Communication and Global Optimization toolbox. The event witnessed an overwhelming response of around 600 participants from various colleges and from diverse background like Basic Sciences, Electrical, Mechanical, Civil, Communication and even Biotechnology Engineers. Many young and senior faculty members from throughout the Andhra Pradesh State attended the workshop.



Mr. Mithun M. Bhaskar in the First Session

The first day of the workshop started with the objective of learning MATLAB and its brief history. It was followed by a detailed presentation on various functions of MATLAB, file types, its features and applications. This was organized in our spacious 1000 seat auditorium, where everyone could bring their laptops and work on various exercises. During lectures the participants were encouraged to simulate different commands in the Matlab interface as they were being taught so as to get them acquainted with Matlab programming environment. The trained IEEE and EEA volunteers, present in large numbers, interacted with the participants and helped them out in their difficulties during the entire session.

On the second day, the toolboxes and scripts available in MATLAB were explained by Mr. Mithun Bhaskar. The graphics fundamentals like simple plots, subplots, basic 2D, 3D plotting, mesh plots surface plots, patches, contour plots, visualization of images were discussed thoroughly. The participants were amused by the various operations performed on the images. This was followed by a brief introduction to specialized toolboxes encompassed within the Matlab framework viz., Fuzzy Toolbox, Optimization, Neural Network, Image Processing, Digital Signal Processing etc. The day ended with some exercises on MATLAB multiplication, indexing matrices plotting etc. The third session was allotted completely for control systems toolbox.

Third day started with basics of modeling dynamical systems in MATLAB and Simulink, followed by system analysis, simulation and validation of systems using control systems toolbox. The assistance provided by the volunteers

along with working out of few examples helped the participants to overcome the difficulties and gave a good overall view of the control system toolbox. The session ended with a presentation on the overview of other open source alternatives for Matlab like Octave, SciLab and FreeMAT and gave the audience an overview of the books available for various engineering streams.

In the fourth session, image processing toolbox was brilliantly covered by Mr. Amarjot Singh. Concepts right from the basics of image processing to image types, read/write images, image display, conversion, rotation and resizing were explained in detail. This session ended with the explanation of spatial transformations, face detection and recognition, gesture recognition etc.

The fourth day was on the Communication Engineering/Signal Processing tools and found many communication and non-communication engineers attending it. Mr. Puli Kishore Kumar unveiled the secrets of the communication toolbox from basics of signal generation and the advanced stages through demonstration of all examples in overhead screen.

The last day's target Optimization Toolbox was handled by Mr. Rajashekar. He demonstrated various optimization tools available like Genetic Algorithms and demonstrated many examples.



The participants found the entire initiative very commendable and productive; worthy to attend. "It made us understand the important and fundamental features of Matlab in an explicit and brief way, I found it useful to attend", commented a participant, a view echoed by most of the participants. Online and paper feedback forms were supplied to the participants and we received an excellent feedback backed by appreciations and kudos. Overall it was one of the biggest program initiated at this level on experimental pattern and the response was prodigious; at the end, the organizers and participants looked satisfied with gratification. IEEE/EEA is looking forward to conduct many such activities in future in order to promote research and the zeal for technical progress among the student fraternity.

T. R. Rajagopalan, Chair PES/IAS/PELS Joint Chapter, IEEE Hyderabad Section, India



Volunteers of IEEE and EEA with senior members, Faculty and Resource persons.

Upcoming IEEE Conferences in Region 10

2011 International Conference on Biometrics and Kansei Engineering (ICBAKE) 19 Sep - 22 Sep 2011

Conference Location: Takamatsu, Japan
Sponsored By: Shikoku Section, Shikoku Section CAS Chapter

Abstract Submission Deadline: 27 Jun 2011
Final Paper Submission Deadline: 01 Aug 2011

<http://vivi.eng.kagawa-u.ac.jp/~icbake2011/callforpaper/data.pdf>

2011 7th International Conference on Networked Computing (INC) 26 Sep - 28 Sep 2011

Conference Location: Gumi, Korea (South)
Sponsored By: Korea Council, Taegu Section

Abstract Submission Deadline: 01 Jul 2011
Final Paper Submission Deadline: 08 Jul 2011

<http://www.humanpub.org/inc/>

2011 International Conference on ICT Convergence (ICTC) 28 Sep - 30 Sep 2011

Conference Location: Seoul, Korea (South)
Sponsored By: Communications Society - COM

Abstract Submission Deadline: 15 Jul 2011
Final Paper Submission Deadline: 01 Sep 2011

<http://ictc2011.org/main/default.asp>

2011 IEEE International Conference on Engineering Education (ICEEDU) 28 Sep - 29 Sep 2011

Conference Location: Kuala Lumpur, Malaysia
Sponsored By: Malaysia Section E Chapter

Abstract Submission Deadline: 04 Jul 2011
Final Paper Submission Deadline: 20 Aug 2011

<http://www.i-cerg.net/iceedu2011>

2012 World Telecommunications Congress (WTC 2012)

05 Mar - 06 Mar 2012

Conference Location: Miyazaki, Japan
Sponsored By: Communications Society - COM

Abstract Submission Deadline: 15 Jul 2011
Final Paper Submission Deadline: 18 Nov 2011

<http://www.wtc2012.jp/>

2011 Academic International Symposium on Optoelectronics and Microelectronics Technology (AISOMT) 12 Oct - 16 Oct 2011

Conference Location: Harbin, China

Sponsored By: Harbin Section, Harbin Section ED Chapter
Abstract Submission Deadline: 10 Jul 2011

Final Paper Submission Deadline: 18 Sep 2011

<http://2011aisomt.hit.edu.cn/>

Organizing a Conference

If you are interested in organizing an IEEE conference, contact: conference-services@ieee.org

More resources for conference organizers at:
https://www.ieee.org/conferences_events/conferences/organizers/index.html

Learn about Conference publications at:
https://www.ieee.org/publications_standards/publications/confproc/index.html

2011 IEEE International Workshop on Haptic Audio Visual Environments and Games (HAVE 2011)

14 Oct - 17 Oct 2011

Conference Location: Nanchang, China
Sponsored By: Instrumentation and Measurement Society - IM

Abstract Submission Deadline: 30 Jun 2011
Final Paper Submission Deadline: 01 Sep 2011

<http://have2011.ieee-ims.org/>

2011 3rd International Conference on Computational and Systems Biology (iCCSB) 14 Oct - 16 Oct 2011

Conference Location: Shanghai, China
Sponsored By: Engineering in Medicine and Biology Society - EMB

Abstract Submission Deadline: 15 Aug 2011
Final Paper Submission Deadline: 15 Aug 2011

<http://iccsb.sjtu.edu.cn/>

2011 IEEE Nanotechnology Materials and Devices Conference (NMDC) 18 Oct - 21 Oct 2011

Conference Location: Jeju, Korea (South)
Sponsored By: Nanotechnology Council - NANO

Abstract Submission Deadline: 20 Jun 2011
Final Paper Submission Deadline: 31 Aug 2011

<http://www.ieeenmdc2011.org/>

2011 Fourth International Workshop on Advanced Computational Intelligence (IWACI)

19 Oct - 21 Oct 2011

Conference Location: Wuhan, China
Sponsored By: Computational Intelligence Society - CIS, Wuhan Section

Abstract Submission Deadline: 01 Jul 2011
Final Paper Submission Deadline: 01 Sep 2011

<http://www.iwaci.org/>

2011 International Conference on System Science, Engineering Design and Manufacturing Informatization (ICSEM) 22 Oct - 23 Oct 2011

Conference Location: Guiyang, China

Sponsored By: Chengdu Section
Abstract Submission Deadline: 01 Aug 2011
Final Paper Submission Deadline: 15 Sep 2011

<http://www.sem-conf.org/>

2011 Yangtze River International Conference on the Applications of Medical Imaging Physics (ICMIP)

22 Oct - 23 Oct 2011

Conference Location: Hangzhou, China
Sponsored By: Engineering in Medicine and Biology Society - EMB

Abstract Submission Deadline: 31 Aug 2011
Final Paper Submission Deadline: 10 Oct 2011

<http://icmip.zju.edu.cn/>

2011 Oriental COCOSDA 2011 - International Conference on Speech Database and Assessments

26 Oct - 28 Oct 2011

Conference Location: Hsinchu City, Taiwan
Sponsored By: Taipei Section

Abstract Submission Deadline: 01 Jul 2011
Final Paper Submission Deadline: 26 Aug 2011

<http://ococosda2011.c.mnctu.edu.tw/>

2011 Second Asian Himalayas International Conference on Internet (AH-ICI) 04 Nov - 06 Nov 2011

Conference Location: Kathmandu, Nepal
Sponsored By: Uzbekistan COM Chapter
Abstract Submission Deadline: 15 Aug 2011
Final Paper Submission Deadline: 05 Sep 2011
<http://www.ah-ici.org/ah-ici2011>

2011 International Conference on Green Energy and Environmental Sustainable Development (GEESD)

04 Nov - 06 Nov 2011
Conference Location: Jilin, China
Sponsored By: Systems, Man, and Cybernetics Society - SMC
Abstract Submission Deadline: 30 Aug 2011
Final Paper Submission Deadline: 30 Sep 2011
<http://geesd2011.beihua.edu.cn/html/xueyuanjianjie/20101128/93.html>

2011 Biomedical Engineering International Conference (BMEiCON)

09 Nov - 11 Nov 2011
Conference Location: Chiang Mai, Thailand
Sponsored By: Thailand Section
Abstract Submission Deadline: 10 Jul 2011
Final Paper Submission Deadline: 20 Sep 2011
<http://www.bmeicon.org/bmeicon2011/>

2011 2nd International Conference on Instrumentation Control and Automation (ICA) 15 Nov - 17 Nov 2011

Conference Location: Bandung, Indonesia
Sponsored By: Indonesia Section
Abstract Submission Deadline: 01 Sep 2011
Final Paper Submission Deadline: 01 Nov 2011
<http://www.ica-itb.org/>

2011 International Conference on Hand-Based Biometrics (ICHB) 17 Nov - 18 Nov 2011

Conference Location: Hong Kong, China
Sponsored By: Hong Kong Section C Chapter
Abstract Submission Deadline: 01 Aug 2011
Final Paper Submission Deadline: 15 Sep 2011
<http://ichb2011.comp.polyu.edu.hk/>

2011 International SoC Design Conference (ISOCC 2011) 17 Nov - 18 Nov 2011

Conference Location: Jeju, Korea (South)
Sponsored By: Circuits and Systems Society - CAS
Abstract Submission Deadline: 21 Aug 2011
Final Paper Submission Deadline: 15 Oct 2011
<http://www.isocc.org/main/>

2011 7th International Conference on Information Technology and Applications (ICITA)

21 Nov - 24 Nov 2011
Conference Location: Sydney, Australia
Sponsored By: New South Wales Section C Chapter
Abstract Submission Deadline: 01 Sep 2011
Final Paper Submission Deadline: 31 Oct 2011
<http://www.icita.org/>

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