

## IEEE R10 News and Highlights

### Editor's message

Dear IEEE R10 members,

Thank you for all of your support to IEEE R10 Newsletter. I hope you all enjoy reading the articles featured in the last issues.

For the last seven years, IEEE R10 Newsletter has played a critical role in presenting news and stories from every corner over the Region 10. From facilitating exchange of information in R10 to publishing of R10 Sponsored Activities, R10 Newsletter has captured R10 history as it happens. Last year, we have, of course, continued these traditions.

Nevertheless, we've always hope to raise awareness of humanity issues. Starting from 2013, we decided to add 3 special sections to R10 Newsletter: ICT for Humanity, Brain Mobility, and Youth Employment, to encourage joint efforts for the emerging humanity issues.

The distribution of articles submitted last year is as follow: 33% from R10 EXCOM committee, 29% from Chapter, Section, 21% from student branches, and 8% from WIE, 5% from GOLD. Notably, we have carried 4 articles for our special sections. For ICT humanity column, we have included 'Digital Opportunity for Visually Impaired in the Philippines' in March issue and 'IEEE Malaysia Section: Using Information Communication Technology to Bridge Troubled Youths' in December issue. For Brain Mobility column, we have included 'Institute for Information Industry (III)' in March issue and 'GICE, National Taiwan University' in June issue. Regretfully, we have not received any article addressing Youth Employment so far.

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Therefore, we've listed some helps we needed here. First, we need more articles on humanity issues, especially on Youth Employment, in which we are trying to build up a system in which we aim to pair rigorous young jobseekers with successful enterprises and optimizing the prospect for youth career development. Second, we need more article contributions from EXCOM fellows. Last but not the least, comments/suggestions from Director and EXCOM fellows on contents, format, and layout are always welcome.

The last but not the least, we would like to express our cordial appreciations for the advertisement from some leading publishers including ARTECH House and CRC Press, and in particular the constant hearty support from the ANSYS, Inc. for sharing the most updated development of the world leading field solver for multi-physics and multi-domain analysis. Their support has tremendously helped us in maintaining the high quality of this quarterly publication.

Let me close by offering my sincere thanks for everyone's support during the past years. Special thanks for Fanny Su and Ewell Tan from IEEE R10 Headquarters.

*Ruey-Beei Wu,*  
*Editor, IEEE R10 Newsletter*

*Erica Chai*  
*Assistant Editor, IEEE R10 Newsletter*

## **IEEE R10 Annual General Meeting, 1-2 March 2014**

About 120 delegates convened at Hilton Kuching Hotel for a two-day AGM in Kuching, Sarawak, Malaysia. A welcome address was given by Toshio Fukuda, R10 Director.

Various addresses were followed by Jose Roberto de Marca, IEEE President; Howard Michel, IEEE President-Elect; and Martin Bastiaans, R8 Director respectively. Cecelia Jankowski presented the delegates with MGA strategy. The highlights on 1st March were the addresses with Q & A by President-Elect candidates, Frederick Mintzer and Barry Shoop and Poster Sessions by R10 EXCOM members.

The posters covered Awards and Recognition (Kukjin); Conference & Technical Seminar (Takatoshi Minami); Educational Activities (Supavadee Aramvith); Electronic Communications & Information Management (Gowtham Prasad K.N.); Young Professional program (Darrel Chong); History (Takatoshi Minami); Humanitarian Technology Activities (Takatoshi Minami); Individual Benefits & Services (Michael Ong); Industry relations (Ravikiran Annaswamy); Life Member (Kunio Tada); Membership Development (Darrel Chong); Newsletter Editor (Ruey-Beei Wu); professional Activities (Hui Zhang); Section & Chapter (Elmer Dadios); Strategic Planning & Section Congress 2014 (Zia Ahmad); Student Activities (Om Perakash & Pasan Pethiyagode); and Women in Engineering (Takako Hashimoto).



*Awards winners*

Besides reports by the various portfolios, there were training workshops: Section Management; Member Retention; vTools and Communication Strategy for Sections; Educational Activities; and IEEE Asia Pacific Office and Continuing Education. To cap the meet, a team bonding activity comprising a visit to Sarawak Cultural Village, river boat cruise, and Thai-Chinese dinner was included.



*Cultural dance at dinner*

## IEEE R10 Seminar

IEEE Region 10 Technical Activities presented a Region 10 Seminar in conjunction with the 2014 R10 Meet at Swinburne University of Technology Sarawak Campus on 28<sup>th</sup> February 2014. This seminar is jointly organised by IEEE R10 and IEEE Malaysia Section. Members of Asia Pacific region are culturally rich with various ethnicities. The theme **Technology with Culture Empathizes Humanity** is chosen to show that technology accentuated with culture will spawn research that enriches the society. We were fortunate to have in our midst speakers from the Asia Pacific region to share their knowledge and experience with us in this seminar: “Single Cell Analysis and Assembly by Micro and Nano Robotics System” by Tashio Fukuda; “Contactless Measurements of Low Loss Materials for Micro and Nano Electronics” by Janina Mazierska; “New Network Architecture for Future Internet-Information-Centric Networking” by Yong-Jin Park; “Indoor Localization Methods” by Lawrence W.C. Wong; “Digital Image Discrimination for Some Lung Diseases” by Norliza Mohd Noor; and “Cancellable Biometrics: Enhancing Security and privacy of Biometric Authentication” by M.L. Dennis Wong.

Professor Anthony Cahalan, Pro Vice-Chancellor and Chief Executive of Swinburne University of Technology Sarawak Campus was impressed with IEEE generous sharing of expertise and experience with faculty members and students.

The seminar was officiated by Norliza Mohd Noor, Malaysia Section Chair. The introduction of IEEE, MGA and Region 10 was given by Hidenori Nakazato, R10 Secretary while the Humanitarian Technology Activities by Takako Hashimoto, R10 Humanitarian Technology Activities Committee Member.

*Dianne Cheong Lee Mei*  
*Communication/Newsletter Chair*  
*Malaysia Section*

## TENCON and TENSYP in the Near Future

IEEE R10 is planning to hold the TENCON (Region 10 Conference) and the TENSYP (Region 10 Symposium) as follows:

- 2014 TENSYP (<http://ieeemy.org/tensymp/>) on 14-16 April 2014 in Kuala Lumpur, Malaysia (to be hosted by Malaysia Section)
- 2014 TENCON (<http://www.tencon2014.org/>) on 22-25 October 2014 in Bangkok, Thailand (to be hosted by Thailand Section)
- 2015 TENSYP ([www.tensymp2015.org](http://www.tensymp2015.org)) on 13-15 May 2015 in Ahmedabad, India (to be hosted by Gujarat Section)
- 2015 TENCON on 1-4 November 2015 in Macau, China (to be hosted by Macau Section)

Please consider active participation in these conferences.

The plans for 2016 TENSYP and 2016 TENCON will be announced within this year.

*Takatoshi Minami*  
*2013-2014 IEEE R10 Conference & Technical Seminar Coordinator*



*IEEE with Pro Vice-Chancellor*



## IEEE R10 TENCON 2013

On October 23-25, sponsored by IEEE Asia Pacific Region, IEEE Xi'an Section and Northwestern Polytechnical University, "IEEE Asia Pacific Region Conference (TENCON 2013)" was successfully held in Shaanxi Guest Hotel, Shaanxi, China. More than 200 domestic and foreign experts and scholars from France, Turkey, Denmark, Japan, South Korea, India, Hong Kong and other countries and regions gathered together to participate in this conference, which aimed at promoting and discussing the achievements and frontiers of latest technology development trend in areas like Computer, communication, signal processing, power and energy etc. Co organizers include the National Natural Science Foundation of China, Xidian University, Xi'an Jiao Tong University and Chang'an University, China. The total number of papers that will be presented at the proceeding is 368. The conference received a total of 645 submissions. These submissions came from over 27 countries and regions. All the accepted papers were categorized into 45 sessions, including 2 poster sessions, WIE Best paper award competition session, WIE special session and student best award competition session and 40 oral sessions.



*Opening ceremony*



*Keynote speaker*

The opening ceremony was hosted by Professor Li Jiandong, the Vice president of Xidian University. Professor Yuan Jianping, the Vice President of Northwestern Polytechnic University, attended the meeting and delivered a welcome speech. Professor Yuan said in his speech that Northwestern Polytechnic University, the one which IEEE Xi'an Section was affiliated to, was very supportive of the activities of IEEE Xi'an Section. And he hoped that this meeting would further promote the international exchange activities, and may the beautiful Xi'an leave good impression on all the delegates. The conference also invited Kaixing Han, the Vice Chairman of Shaanxi Provincial Association for Science and Technology, Professor Howard E. Michel, the IEEE President-elect (2014), Professor Toshio Fukuda, Director of IEEE Region 10, to deliver a speech in the opening ceremony.

Professor Jianguo Huang, Chair of IEEE Xi'an Section and Chair of IEEE TENCON 2013, and Professor Jingdong Chen, Chair of TENCON Technical Committee, welcomed the coming delegates and introduced the preparation process of this conference on behalf of the organizing committee of the conference. The opening ceremony also invited Prof. Kukjin Chun, the Chair of IEEE R10 Awards & Recognition Committee, IEEE WIE Chair of R10, Professor Hashimoto Takako, and Prof. Takatoshi Minami, 2013 IEEE R10 Vice-Chair of Technical Activities and 2013 IEEE R10 Conference & Technical Seminar Coordinator. IEEE China Council Chair Professor Zhou Mengqi, Chairs and representatives from IEEE Beijing Section, Chengdu Section, Harbin Section, Nanjing Section, Shanghai Section and Wuhan Section were invited to attend the conference.

After the opening ceremony, Professor Toshio Fukuda from Nagoya University Japan, Professor Søren Holdt Jensen from Aalborg University Denmark and Professor Junzheng Cao from China State Grid delivered Keynote Speeches for the latest advances titled as "Multi-scale Robotics", "Subspace-based speech enhancement via diagonal and triangular matrix decompositions" and "DC grid and key technology for future smart grid development" respectively. Delegates were more interesting to their attractive speeches.

For WIE and Student best paper award competition, an expert evaluation committee was established, in which Prof. Kukjin Chun chaired the Student Best Paper Award and Prof. Takako Hashimoto chaired the WIE

Best Paper Awards. The other experts in the committee are Professor Takatoshi Minami, Professor Søren Holdt Jensen, Professor Jingdong Chen, and Professor Hua Li. After the candidates' presentation, all the members vote for the final results. Ms. Jong Im Lee from Korea won the WIE Best Paper Award with the paper titled 'Flash ADC Architecture using Multiplexers to Reduce a Preamplifier and Comparator Count', and Mr. Tingzhe Huang from China won the Student Best Paper Award with the paper titled 'Development of Foundation Pit Leakage Detector Based on Flow-field Fitting Method'.



*Awards for conference organizers*

TENCON 2013 also invited Professor Xiaohua Wang from the Xi'an Jiao Tong University, Professor Guanling Chen from the University of Massachusetts Lowell, Professor Murat Uzam from University Meliksah, Turkey, Professor Alessandro Giua from the University of Aix Marseille, France, and Professor Guoqiang Mao IEEE senior member to deliver invited speeches in different sessions. The organizer invited Prof. Yanning Zhang from Northwestern Polytechnical University to present an invited speech for WIE special session. They presented more information and research developments to attendees. The conference lasted three days, attracting a large number of students to communicate with high levelled of international researchers and providing researchers in Region 10 a good platform for international exchange for research development.

Before the famous show Dream back to the Great Tang Dynasty with Chinese music and dance on the evening of Oct. 25, an award ceremony was held for the WIE/Student Best Papers Award, and TENCON 2013 organizers and committees. IEEE 2014 president-elect Micheal Howard presents the awards. Around 300 attendees enjoy the splendid cultural show after the ceremony.

After the conference, Director of R10, Prof. Toshio Fukuda sent the email to Chair, Jianguo Huang to congratulate TENCON 2013 was very successful. The organization committee of TENCON2013 would like to take this opportunity to thank all reviewers and volunteers, as well as thanks all support to this successful event.

*Chengbing He*

*Associate Professor, Northwestern Polytechnical University, China*

*Secretary of TENCON 2013*

## **Call for Nomination: Educational Activities Award 2014**

***SUBMISSION DEADLINE: April 30, 2014***

R10 EA committee invites you to submit nomination of individuals or sections for consideration of R10 Educational Activities Award in the following categories.

- R10 Meritorious Achievement in Accreditation Activities
- R10 Meritorious Achievement in Continuing Education
- R10 Meritorious Achievement in Informal Education
- R10 Pre-University Education
- R10 Major Educational Innovation
- R10 Standards Education
- R10 Section Professional Development
- R10 Society/Council Professional Development

The corresponding nomination and reference form (EAB form) can be downloaded from IEEE EAB web site (<http://www.ieee.org/eab-awards>). Please follow the guidelines specified by EAB with reference to the award categories.

The nomination will be reviewed by EA committees. The selected nominee will be given R10 EA Award (certificate) and will be invited to R10 Meet to receive an award on self-support. The selected nominee will be endorsed by Region 10 to be considered for EAB Award.

The nomination must be endorsed and submitted by Section Educational Activities Chair with a copy to Section Chair. In case the Section does not have Educational Activities Chair, R10 encourages you to

set up this position. Nevertheless, Section chair can endorse and submit proposal if the Section does not have Educational Activities chair.

Deadline: March 30, 2014

Notification of Decision: April 15, 2014

Submission to EAB: within April 30, 2014

Contact: Please send the nomination to the e-mail below with subject [R10 EA Award 2014 nomination]:

**R10 Educational Activities Coordinator Chair**

Supavadee Aramvith, Ph.D.

Department of Electrical Engineering

Faculty of Engineering

Chulalongkorn University

Bangkok, THAILAND 10310

Phone: +66-2-218-6909

Fax: +66-2-218-6912

Mobile: +66-81-257-3927

Email: [Supavadee.A@chula.ac.th](mailto:Supavadee.A@chula.ac.th)

*Supavadee Aramvith,*

*Region 10 Educational Activities Coordinator Chair*

## **Call for Proposal: Educational Activities Support Fund 2014**

**SUBMISSION DEADLINE: April 20, 2014**

R10 EA committee invites you to submit proposals to bid for educational activities support fund.

This year, the Education activities will be awarded for the following projects.

- TISP (Teacher in Service Program) (up to USD 500 per project)
- Educational Outreach (up to USD 500 per project)
- Continuing Education/Professional Development (up to USD 500 per project)
- Accreditation Seminar (up to USD 500 per project)

In the proposal, please specify:

- Name of Chapter/Section:
- Name of Section Chair / Section Educational Activities Chair
- Name of Project leader / contact person:
- Name of event and Type of the project to be submitted
- Date of event/Location of the event:
- Objective of the event:
- Details of the event:

- Benefits to members/community:
- Number of participants: members/non-members
- [Mandatory requirement] Proposed budget (Both expected support from R10 and expected support from Sections/other sources are needed for at least 50% of the total budget so the proposal will be considered)

Proposal is accepted in A4 PDF format only. Please specify if this is the new project or the project is the continuation of project awarded in the past years. The project must be implemented in the timeframe between June – November 2014.

Proposal must be endorsed and submitted by Section Educational Activities Chair with a copy to Section Chair. In case the Section does not have Educational Activities Chair, R10 encourages you to set up this position. Nevertheless, Section chair can endorse and submit proposal if the Section does not have Educational Activities chair.

**Deadline: April 20, 2014**

**Notification of Decision: May 15, 2014**

Contact: Please send your proposal to the e-mail below:

**R10 Educational Activities Coordinator Chair**

Supavadee Aramvith, Ph.D.

Department of Electrical Engineering

Faculty of Engineering

Chulalongkorn University

Bangkok, THAILAND 10310

Phone: +66-2-218-6909

Fax: +66-2-218-6912

Mobile: +66-81-257-3927

Email: [Supavadee.A@chula.ac.th](mailto:Supavadee.A@chula.ac.th)

*Supavadee Aramvith,*

*Region 10 Educational Activities Coordinator Chair*

## **Call for Project Proposal for 2014 IEEE Region 10 Humanitarian Technology Activities**

IEEE Region 10 is encouraging to carry out Humanitarian Technology Activities in its sections for the benefit of underserved. IEEE also encourages to form a Special Interest Group on Humanitarian Technology (SIGHT) in the sections and to take up Humanitarian Technology activities. Kindly refer



[www.ieeesight.org](http://www.ieeesight.org) for details on SIGHT and its formations.

IEEE Region 10 is inviting project proposal(s) on Humanitarian Technology from Sections of Region 10 to further promote HT activities. Participating sections must have SIGHT in their respective sections. Sections not having SIGHT wants to participate are advised to form SIGHT first. For formation of SIGHT, please refer [www.ieeesight.org](http://www.ieeesight.org)

Projects those are Technology Solutions for the underserved will only be considered. Region 10 will provide support fund to carry out the project for underserved community in partnership with respective sections.

IEEE Region 10 had invited such proposals in 2012 and 2013. There was a good response and R10 supported 7 and 5 projects in 2012 and 2013 respectively.

Following are the salient features of R10 supported HT projects:

- Region 10 will provide 50% of the cost of the project or US\$500 whichever is less in each case. It is expected that 50% of the cost of the project be borne by the respective section.
- Region 10 will provide support to 8 (eight) select projects.
- Such projects are expected to be completed in 2014 (Report to be submitted by 15 Dec 2014).
- The project should clearly outline the aspect of scalability and self-sustainability.
- The project should be proposed by the SIGHT of that section and duly endorsed by the Section Chair.
- The proposed budget should clearly mention the requirement of the fund from R10, support from the Section and from other sources (if any).
- The proposal for the project should be submitted in the following format:
  - Name of Project:
  - Name of Section:
  - Name of Section SIGHT Coordinator:
  - Name of the Project leader :
  - Name of the project team members:
  - Objective of the project (Maximum 200 words):
  - How the project will serve the underserved (Maximum 500 words):
  - Project outline (stating what form of Technology being used):

- How the project will be sustainable (Maximum 500 words):
- Proposed date of completion of the project and submission of report: dd/mm/yyyy (the date should not be later than 15 December 2014)
- Total fund required:
  - Support from R10: (50% of project cost or US\$500 whichever is less)
  - Support from the Section: (50% of project cost or more)
  - Support from any other source (if any):
- Endorsement by Section Chair: The project has got approval and support of section as detailed above. (Signature of the Chair)

Please send project proposals to

[deepakmathur@ieee.org](mailto:deepakmathur@ieee.org) & [ieeepap@pacific.net.sg](mailto:ieeepap@pacific.net.sg)

***Last date of receiving project proposals is 30<sup>th</sup> April 2014.***

Kindly give wide publicity to this 'Call for project proposal (s)' in your section.

*Deepak Mathur*

*2013-14 IEEE Region 10*

*Humanitarian Technology Activities Coordinator*

## **IEEE R10 Councils/Sections News and Highlights**

### **IEEE Bangalore Section: 2014 International Conference on Advances in Energy Conversion Technologies (ICAECT)**

The Department of Electrical and Electronics Engineering of Manipal Institute of Technology, Manipal, India, has organized the "2014 International Conference on Advances in Energy Conversion Technologies (ICAECT)" in association with IEEE Power and Energy Society. Dr. B. K. Singh was the General Chair, Dr. Ciji Pearl Kurian, Technical chair; Prof. R. C. Mala, Finance Chair, Prof. Shailesh K.R & Prof. James Antony Pinto were the organizing secretaries. The theme of the conference was ***Intelligent Energy Management - Technologies & Challenges***. This was the eighth conference of a regular series of annual conferences being conducted by the dept. of E&E of MIT, Manipal.



*Release of Souvenir during the inaugural function of ICAECT2014*

There were three parallel sessions of Pre-conference tutorials on 1) Motor Control Tutorial: TI C2000 Microcontrollers for Real-time Applications 2) MATLAB - Xilinx Tools and Applications and 3) Intelligent Energy management. The hands on sessions of the two days pre-conference tutorials provided a unique combination of knowledge and expertise in real time implementation and simulation tools. Technical paper presentations on control systems, power systems, machines & drives, advanced materials & nanotechnology, communication protocols & networking, power electronics, illumination technology & renewable energy were scheduled in eight parallel sessions.

Keynote speeches addressing the state of the art-development and cutting edge technologies related to the theme of the conference have also been presented by experts viz., 1) “Adaptive Control of FACTS Devices” by Dr. Rama Gokaraju, Department of Electrical Computer Engineering, University of Saskatchewan, Canada 2) “Electronic systems challenges and opportunities in basic science research” by Dr. B. Satyanarayana, Tata Institute of Fundamental Research, Mumbai, 3) “Fault analysis and condition monitoring of electric machines” by DR. Subhasis Nandi, Professor, University of Victoria, Department of Electrical and Computer Engineering, Canada and 4) “Power System Operations and Role of Smart Grid” by Dr. Shekhar M. Kelapure, Senior Scientist with GE Global Research, Bangalore. A student paper contest with 42 students in 19 groups shortlisted for participation had also been organized as a part of ICAECT 2014. Cash prizes were sponsored by IEEE PES, Bangalore Chapter. Students of MIT, Manipal enhanced the programme with variety cultural programmes.

panel discussion on the theme of the conference was chaired by Dr. Vinod V. Thomas, Director, MIT, Manipal & Dr. Nagaraja R, Managing Director, PRDC (Chairman IEEE PES, Bangalore Chapter). According to the panel, there is scope to improve the efficiency in most optimum manner from generation to utility. The technology challenges like demand response management, adaptive controllers, integration of renewable energy sources, regulatory issues, smart grids with two way real time communication, interoperability of devices were also discussed. A switch from AC to DC in houses and micro grids will result in twenty percent saving in power. Recent developments in technology as well as regulation changes were also discussed by the panel members. The Panel discussion ended with a lively audience interaction.

*Dr. CIJI PEARL KURIAN (Senior Member IEEE), Professor, Dept. of E&E, MIT, MANIPAL*

## **IEEE Beijing Section: 2013 IEEE Technical Seminar and distinguished lectures**

The 2013 IEEE Technical seminar and distinguished lectures, ‘Control and intelligent computing for electric vehicles’ was held at Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences (SIAT-CAS) from 4<sup>th</sup> to 6<sup>th</sup> November 2013.

The seminar was organized and sponsored by IEEE Region 10, Shenzhen Institute of Advanced Integration Technology, Chinese Academy of Sciences and The Chinese University of Hong Kong (CAS-CUHK SIAIT) and Shenzhen Institute for Innovative Design. The chair, co-chair and secretary of this seminar are Prof. Guoqing Xu (Director of SIAIT), Dr. Yimin Zhou and Mr. Ming Chang, respectively.

At the beginning of the seminar, Prof. Jianping Fan, Director of SIAT-CAS, gave his warm welcome addressing. The invited speakers, Prof. Roger Goodall (Fellow of Royal Academy of Engineering, Loughborough University, UK), Mr. Juchul Oh (Policymaker of Korean government), Dr. Jack Xu (Chief Designer of Guangzhou Automobile Group Co., Ltd), Dr. Yiqing Yuan (President of Zhejiang Qiancheng Science and Technology Company), Dr. Huihuan Qian (The Chinese University of Hong Kong) and Dr. Bufu Huang (Director of the Institute of Smart



China) gave excellent speeches on control and intelligent computing for electric vehicles and railway vehicles. They also shared the latest research achievements and discussed the future challenges in electric vehicle fields.



*On site exchange discussion among speakers and audiences*



*Presentation of Prof. Roger Goodall, Fellow of Royal Academy of Engineering, Loughborough University, UK.*

Scholars and graduate students from around universities and institutes, about 150 people have attended the seminar. They participated the discussions and exchanged their ideas on the new generation electric vehicles, intelligent control and computing with the speakers. Prof. Roger Goodall has given lectures on control problem of vehicles and sensor technologies on 5<sup>th</sup> and 6<sup>th</sup> November after the seminar. Based on the discussion of the future technologies for electric vehicles, Prof. Roger Goodall and Prof. Guoqing Xu reached an agreement on the research collaboration in the development of novel in-wheel motor driving electric vehicles on behalf of his research group. He has also happily accepted as the guest professor of SIAIT.

*Dr. Yimin Zhou, Prof. Guoqing Xu  
Shenzhen Institutes of Advanced Technology,*

*Chinese Academy of Sciences,*

## **IEEE Bombay Section: INDICON 2013**

The sprawling Victor Menezes Convention Center at the Indian Institute of Technology, Powai, Bombay played host to INDICON 2013 - the IEEE India Council flagship conference organized by Bombay Section 13-15 December 2013 on 'Impact of Engineering on Global Sustainability'.



*INDICON 2013 team - Faculty & Students of IIT Bombay, volunteers of IEEE Bombay Section*

The Inaugural was followed by 5 plenary sessions, 39 Technical Sessions in 5 Tracks, 4 Invited talks and 4 pre-conference tutorials. Over 240 oral paper presentations and 137 poster presentations drawn from over 1200 submissions subsequent to a strict review mechanism, ensured a high level of technical quality. All the sessions were well attended and the quality of interaction was facilitated by the unique ambience of IIT Bombay. The papers are now available in IEEE Xplore.

A special feature of INDICON 2013 was a recorded video message from Dr. Peter Staecker – President IEEE 2013 and another from Dr. Michel Howard – IEEE President Elect 2014.

The Plenary Speakers at the conference included Dr. Santosh Mohanty VP Tata Consultancy Services, Prof. Ashok Jhunjhunwalla of IIT Madras, Dr. Vijay Bhargava – 2013 President of IEEE Communications Society, Dr. David Alan Grier – 2013 President of IEEE Computer Society, and Dr. P. R. Kumar, an expert on Cyberphysical systems from Texas A&M University. It was a coup of sorts to have two Members of the Board of IEEE as Plenary speakers.

This conference brought together national and international community of experts to discuss the state-of-the-art, new research results, perspectives of future developments, and innovative applications relevant to Computational Science & Engineering, Communications, Networking, Control & Interdisciplinary Engineering, Power & Energy, VLSI, Signal Processing and related Areas.

A large exhibition with wide spectrum participation from industry, education, publications and career growth companies was another highlight of this conference which was generously supported by well-known organizations as Platinum, Silver and exhibitor partners. The proceedings went off like clockwork with precision, all due to the meticulous planning and a lot of hard work by the members and volunteers.



*Dr. F C Kohli (centre) with IEEE Board members Dr. Vijay Bhargava (4th from Left), Dr. David Grier (extreme right) and distinguished members of the INDICON Organizing & Technical Committees*

The cultural event featured a unique presentation on insects and butterflies by a National record holder and a scintillating display of the Indian "Mallakhamb" formations on a wooden pole and a rope by a troupe of 15 children from Mumbai.

For more information, please visit:

<http://indicon2013.org>

*Ashok Jagatia*

*General Chair, IEEE INDICON 2013*



## **IEEE Daejeon Section: Sponsorship of CEIC 2013**

The 15th Conference on Electronics & Information Communications (CEIC 2013) was held on December 6, 2013 under the joint sponsorship of IEEE Daejeon Section, IEEK (The Institute of Electronics Engineers of Korea, now renamed IEIE: The Institute of Electronics and Information Engineers), and KICS (Korean Institute of Communication Science) at Riviera Hotel, Yuseong, Daejeon, Korea.

The CEIC 2013 consists of 6 technical sessions with 75 papers and 200 participants of remarkable experts and graduate students. IEEE Daejeon Section presented an award for distinguished paper entitled "Multi-camera multi-target tracking by 3D tracklet clustering" which authored by Haan Ju Yoo and Jin Young Choi at Seoul National University as well as the financial support of KRW 1,000,000 (about USD 1,000).

*Keesoo Yeom,*

*Department of Information and Communication Engineering, Hanbat National University*

*Seongmin Pyo,*

*Department of Information and Communication Engineering, Hanbat National University*

## **IEEE Hyderabad Section IEEE PrimeAsia 2013**

PRIMEASIA is a sister conference of PRIME (EUROPE) that is technically sponsored by IEEE Circuits and Systems Society and held every year in countries of Asia-Pacific. This year's conference, PrimeAsia 2013 was organized from 19-21 December 2013 by IEEE CAS/EDS Chapter, Hyderabad Section, IEEE Vizag Bay Sub Section and GITAM University at Beach City of Vishakapatnam, AP, India,

In this year's PRIMEASIA a total of 129 papers were submitted by authors from India, Canada, UK, UAE, China, Armenia, Norway and Belgium. These were peer reviewed and finally fifty six papers were selected for presentation at the conference, 42 for oral and 14 for poster sessions leading to an acceptance ratio was 44.1%.



The pre-conference tutorials held on 19th December 2013 were a huge attraction with over 500 registrations. It comprised of four half day sessions by Dr. M.K. Radhakrishnan from Nanorel, Singapore, Prof. Bhim Singh from IIT Delhi, Prof. Shanthi Pavan from IIT Madras, Prof. Rohit Sharma from IIT Ropar and a parallel full day tutorial by Mr. Diwakar Maurya from Xilinx, Hyderabad. The topics covered a gamut of areas from Analog Design, Interconnects Design, Physical Design and Signoff, Electro Static Discharge and Power Electronics.

The plenary talks by Prof. Franco Maloberti, University of Pavia, Italy and by Prof. Vijay Krishnan Narayanan, Pennsylvania University, USA were the hallmark of the conference. The paper presentation session were interspersed with keynote addresses by prominent personalities from Industry and R and D Organizations and academia. The keynote talks by Dr. M.K. Radhakrishnan; Dr. P.V.S. Subrahmanyam, SITAR, Bangalore; Dr. Vazgen Melikyan, Synopsys, Armenia; Dr. V.N. Mani, CMET Hyderabad; and Dr. Suman Kapur, BITS Hyderabad Section. The second day was concluded by valedictory session in which Dr. M.B. Srinivas, General Chair, PrimeAsia 2013 thanked the organizing committee and volunteers for their untiring efforts towards making the conference a very successful one.



*Organising Committee of Primeasia 2013 : Dr. G.V. Nagesh Kumar, Dr .K. Pushpa, Dr. Kaleem Fatima, Dr. P.A. Govindacharyulu, Dr. P.V. Ananda Mohan, Dr. Atul Negi, Dr. Laxminarayana, Dr. M.B. Srinivas, Mr. Mohammed Arifuddin Sohel*

*Arif Sohel*

*Secretary*

*IEEE CAS/EDS Chapter, Hyderabad Section*

## **IEEE Singapore Section:**

### **Welcome to Singapore, Dr. Irwin Mark Jacobs**

As one of eminent speakers in Global Young Scientist Summit 2014, Dr. Irwin Mark Jacobs, the recipient of IEEE Medal of Honor 2013, visited the beautiful city-state Singapore with his wife. During his stay, he delivered speeches during GYSS, visited local universities, research centers, and had a lunch with our IEEE members from Singapore Section.

Dr. Irwin Mark Jacobs is Founding Chairman and CEO Emeritus of Qualcomm, a company he co-founded in 1985. As CEO through 2005 and Chairman through 2009, he led the growth from startup to Fortune 500 Company. Qualcomm is the world's largest semiconductor supplier for wireless products and a leader in introducing fourth-generation technology. In 2013, he was nominated and awarded IEEE Medal of Honor for his leadership and fundamental contributions to digital communications and wireless technology. Invited by National Research Foundation (NRF) Singapore and IEEE Singapore section, Dr. Jacobs with his wife came to Singapore and attended the Global Young Scientist Summit (GYSS) 2014 Singapore as one of eminent speakers in this international scientific event.

Organized by NRF Singapore, the five-day programme (19-24 Jan 2014) addressed key areas of science and research, technology innovation and solutions to global challenges. Participants had opportunities to interact with invited speakers, as well as peers, during plenary sessions, panel discussions, and informal small group sessions. Site visits to universities, research institutes and Singapore government agencies and/or private industry gave participants a better understanding of Singapore's multi-faceted R&D landscape. For the first time, a series of public talks with GYSS@one-north speakers were hosted in conjunction with local universities, education institutes and public agencies.

During the five-day programme, Dr. Irwin Mark Jacobs gave a speech titled "Academic To Entrepreneur – Leading Innovations At Linkabit & Qualcomm" in GYSS 2014 and also joined the eminent panelists with Nobel Prize Laureate Prof Kurt Wüthrich, Sir Richard Roberts and president of Singapore Management University (SMU), Prof Arnoud De Meyer in the public talk "Driving Growth



through Science and Innovation” held in SMU on 23<sup>rd</sup> Jan.

On the last day of GYSS 2014, IEEE Singapore Section Communication Chapter hosted a casual lunch for Dr. Jacobs and his wife. Total 9 IEEE members, volunteers and staffs from Singapore Section, Chapters and R10 headquarter joined. More than his exceptional achievement in his career and contribution to the technology, he was very generous about sharing his experience and views about the knowledge-driven economic during our lunch with him. We also learned about his life, family and found that he is a caring and loving husband and dad who take care about his loved ones. Dr. Jacobs, welcome to Singapore and we all hope you will visit us again in this beautiful city-state in the near future.



*Dr. Irwin Mark Jacobs and his wife with IEEE members, volunteers and staffs from IEEE Singapore Section, chapters and R10 office.*



*Lunch with Dr. Irwin Mark Jacobs and his wife at Nanyang Technological University, Singapore*

*Li Wei  
Publicity Chair  
IEEE Singapore Section*

## **IEEE Tokyo Section: IEEE Milestone in Electrical Engineering and Computing**

The Dedication Ceremony of IEEE Milestone for Toshiba T1100, a Pioneering Contribution to the Development of the Laptop PC was held on October 29th, 2013, at Hotel Okura, Tokyo, Japan. It was approved as an IEEE Milestone on May 20, 2013. IEEE Tokyo Section, the Chair of which is Dr. Toshitaka Tsuda, hosted the Dedication Ceremony for the Plaque of IEEE Milestone in Electrical Engineering and Computing. Invited guests included Dr. Peter W. Staecker, IEEE President & CEO, Tokyo Section Executive Committee members, and executives of national academic institutes and societies. Dr. Toshitaka Tsuda addressed the gathering. Dr. Peter W. Staecker presented commemorative plaque to Mr. Atsutoshi Nishida, Chairman of the Board and Director, Toshiba Corporation.

IEEE Milestone in Electrical Engineering and Computing is a program of the IEEE History Committee administrated through the IEEE History Center to honor significant achievements in electrical, electronic, and computer engineering and the associated sciences. Milestones recognize the technological innovation and excellence for the benefit of humanity found in unique products, services, seminal papers and patents. IEEE established the Milestones Program in 1983 in conjunction with 1984 Centennial Celebration to recognize the achievements of the Century of Giants who formed the profession and technologies represented by IEEE. More than one hundred Milestones have been approved and dedicated around the world. Each milestone recognizes a significant achievement having occurred more than twenty-five years ago in an area of technology represented in IEEE and having at least regional impact.

The Toshiba T1100 is the eighteenth Japanese milestone.

After the Dedication Ceremony and the celebration lunch party, the lecture session entitled “Commemoration of IEEE Milestone Award on Toshiba T1100, Laptop PC” was held at Hotel Okura, Tokyo, Japan with 80 participants. To start, Prof. Isao Shirakawa, IEEE Japan Council History Committee Chair, gave an introductory talk on IEEE Milestone. Second lecture entitled “Japan and IEEE: Moving

forward with Innovation while Honoring and Learning from the Past” was presented by Dr. Peter W. Staecker. The last lecture entitled “Laptop PC T1100, IEEE Milestone Commemoration Lectures” was presented by Mr. Atsutoshi Nishida, Chairman of the Board and Director, Toshiba Corporation.



*Mr. Atsutoshi Nishida and Dr. Peter W. Staecker (from left to right) with IEEE Milestone plaques*



*Dr. Peter W. Staecker, IEEE President & CEO, Tokyo Section Executive Committee members and executives of national academic institutes and societies at IEEE Milestone Dedication Ceremony.*

*Dr. Haruko Kawahigashi  
Chair, IEEE Tokyo Section Publications Committee*



## **IEEE UP Section: 2014 International Conference on Signal Processing and Integrated Networks (SPIN 2014)**

The first International Conference on Signal Processing and Integrated Networks (SPIN 2014) was held on 20-21 February in the Amity University Campus, Noida Delhi NCR, India. This conference was technically co-sponsored by IEEE UP Section.

SPIN 2014 was aimed to bring together scientists, academicians and industrialists working in the field of Signal Processing and Integrated Networks to discuss new ideas and promote research work. The conference had a very high quality technical programme consisting of 170 contributory papers and 9 invited talks. Overall this conference had 30 sessions and all the sessions were very nicely managed by expert session chairs. Five parallel sessions were run for the contributed papers. The sessions were highly interactive and thoughtful. There was huge participation of students from the organizing Institution as well as many other institutions. In addition to the regular sessions, three special sessions were also organized and conducted by research groups from IIT Indore, IIITM Gwalior, IIIT Bhubaneswar, BITS Mesra and Gauhati University. There were sessions on Image Processing, Communication, Signal Processing, VLSI in Signal Processing and Communication, Networking & Security, Special Session on Knowledge Aided System Design, Special Session : Adaptive and Innovative Systems Design and Applications in Signal, Image and Speech Processing, Special Session on Biometric based Security, Video Processing, Biomedical Signal Processing, embedded system & Signal Processing, Antenna, Robotics & Signal Processing Wireless Sensor Networks etc.

The invited talks were delivered by researchers throughout the world from countries like Germany, UK, USA, Sweden, Japan, Korea, Australia etc. Prof. Karlheinz Brandenburg, Fraunhofer-Institut Digitale Medientechnologie Ehrenbergstr, Germany, who happens to be co-inventor of MP3 format and a very famous researcher of audio engineering, delivered the first Keynote address. The invited speakers of this conference are listed below.

- Prof. Karlheinz Brandenburg, Institut fuer Medientechnik, Germany.
- Prof. Chin-Hui Lee, Georgia Institute of Technology, USA.
- Prof. Kazuya Kobayashi, Chuo University, Japan.
- Prof. Philip James Wilkinson, International Union of Radio Science, Australia.



- Prof. Irene Y.H. Gu, Chalmers University of Technology, Sweden.
- Prof. Patrick Gaydecki, University of Manchester, United Kingdom.
- Prof. Ulrich Heute, Christian-Albrechts-University, Germany.
- Prof. Sneh Anand, Indian Institute of Technology, India.
- Prof. Dong Hwa Kim, Hanbat National University, South Korea.



*Conference Chair Dr. M. K. Dutta, Vice Chancellor Dr. B.Shukla & Director Engineering, Dr. R. Prakash Presenting a Memento to Keynote Speaker Dr. Karlheinz Brandenburg.*

The conference had attracted papers from many countries like USA, UK, Germany, Italy, Sweden, Japan, Australia, South Africa, Taiwan, Korea, China, Czech Republic, Turkey, Bangladesh, Spain, Oman etc. SPIN 2014 had also attracted papers from top Indian national organizations like IITs, IIITs, NITs, BITS, IT-BHU, Central Universities, DRDO Research labs, ISRO Research Labs, Vikram Sarabhai Space Centre, Bhaba Atomic Research Centre etc.

The inaugural session of the conference was held on the first day of the conference which was attended by the Top Professionals from Bharti Airtel Ltd. & Ericsson India Pvt Ltd. They had addressed the gathering about what how the Industry requirement and futuristic insights on the theme of the conference. The conference chair Prof. M.K.Dutta had a small talk on the theme of the conference and a small report on it. Prof. B.Shukla, Vice Chancellor of Amity University, Prof. Ravi Prakash, Director of Engineering, & Dy. Director of Engineering Prof. K.M. Soni were present and had provided their views in the theme of the conference. A small talk by the Chief Guest of the session Prof. Karlheinz Brandenburg about his experience was very interesting and motivating.

The feedback from the participants, authors, session chairs, invited speakers were very nice and they all had appreciated the conference. The student participation was a marked feature in this conference which saw all the venues flooded with students. The conference was concluded with a small valedictory function on 21st February 2014. The conference organizers had organized a complementary trip to Agra for visit of the Taj Mahal and Agra Red Fort for all the Foreign Invited speakers and delegates of this conference on 22nd Feb 2014.

This conference was technically Co-Sponsored by IEEE UP Section. Secretary of this Section Dr. Nischal Kr. Verma and Joint Secretary Dr. Dilip Kumar Sharma had attended the event and both of them also had chaired one of the technical sessions.

For more information, please visit: [www.spin2014.com](http://www.spin2014.com)



*Conference Chair Dr. M.K.Dutta addressing in the Valedictory Session of the conference.*

*M.K.Dutta*

*Conference Chair – SPIN 2014.*

*Professor, Amity School of Engineering & Technology, Amity University Noida, India.*

Views expressed in articles published in this newsletter are those of author(s) and do not necessarily represent the views or official position of IEEE R10.



## IEEE R10 Student Branches News & Highlights

### IEEE SB, IITG:

#### Workshop on Micro-Electro-Mechanical Systems (MEMS) and Very-Large-Scale Integration (VLSI) Digital Design Flow

Student Branch (SB) of Institute of Electrical and Electronics Engineers of IIT Guwahati organized a two days national workshop on the topic of Micro-Electro-Mechanical Systems (MEMS) and Very-Large-Scale Integration (VLSI) Digital Design Flow on February 8-9-2014 at the conference center, IIT Guwahati.

The workshop provided various tutorials and hands-on experience along with the knowledge of different optimizations required in the field of MEMS and VLSI digital design using globally used computer aided tools such as CoventorWare, Synopsys and Cadence.



*Prof. S. C. Shrivastava, Deputy Director of IIT Kanpur while addressing the gathering at inauguration*

Workshop was inaugurated by Prof. S. C. Shrivastava, Deputy Director of IIT Kanpur, Prof. Ajoy Chakraborty, Professor at IIT Kharagpur and former Vice-Chancellor, BITS Ranchi, Dr. Sunil Sherlekar, Director of Parallel Computing Research Intel Laboratory, Bengaluru, Dr. A.L. Das, Director, Society for Applied Microwave Electronics Engineering & Research (SAMEER), Mumbai, Prof. R. Bhattacharjee, Head Electronics & Electrical Engineering Dept., IIT Guwahati and Mr. Sandeep R. Chairman, IEEE Student Branch IIT Guwahati.

Mr. Sandeep R. welcomed the guest of honors and participants present. He briefed the audience about

operations and achievements of the branch. He said that it is the 4<sup>th</sup> National workshop being organized by IEEE Student Branch-IITG, within less than a year. More than 500 students have been benefited from past trainings involving 15 experts as speakers from various domains who were assisted by dedicated volunteer team of 50 people.

Prof. S. C. Shrivastava, congratulated the student branch for having indulged in imparting tutorials and workshops on emerging technical fields for students and faculty for the country in general and north-east India in specific. He urged IIT Guwahati to start its own IEEE Section, which would be the first section in entire north-eastern region.

Dr. A.L. Das, expressed his profound happiness over the initiatives taken up by the branch and encouraged the organizers to conduct many more such programs from time to time in future. He said such activity of IEEE student branch of IIT Guwahati justifies one of the prime motives of running an IIT in this region.

Mr. Gaurav Saxena and Mr. Rahul Shrestha were the speakers at the event. Both are Senior Research Scholars in the Department of Electronics and Electrical Engineering of IIT Guwahati.

Mr. Tousif Khan Nizami, Former Chairman & Head Advisory Council, informed that the student and faculty participations were from institutes like, Assam Engineering College, Don Bosco Institutions, Guwahati University, NITS Mirza, West Bengal Technical University, Tezpur University, NIT Meghalaya, NIT Silchar, IIT Guwahati and many more colleges. The speakers and the organizing team were felicitated and participants were distributed with certificates.



*A photo-shoot session with the participants at the end of the workshop.*

*Sandeep R.*

*Chairman IEEE SB IITG & Research scholar, Dept.,  
of EEE, IIT Guwahati.*

## **IEEE SB, KCE: Two Days International Conference on Knowledge Collaboration in Engineering**

The International conference on Knowledge Collaboration in Engineering was inaugurated in the College Auditorium on 24<sup>th</sup> January 2014. Dr. P.Vijayakumar, Vice -Principal welcomed the gathering. Dr.Sadish Sendil, briefed about the conference of ICKCE-14.

The conference was inaugurated by the Chief Guest Prof. Dr. H.Devaraj, Vice –Chairman, University Grant Commission, New Delhi. The Chief Guest in his inaugural speech spoke on the importance of trans-disciplinary approach towards education. Moreover, the Chief Guest advised the students that they must have a strong foundation in Maths, Physics, Chemistry and Computers and that they must also acquire soft skills in order to fetch the right job.

The Key note address was delivered by Mr.Solaiikutty Dhanabal, Academic Program Manager, National Instruments India, Bangalore, who was the Guest of Honor for the function. His vivid presentation on Technology Innovations for Green Environment included problems, academic solutions and their applications in the industry. Prof. S.Prabakar, HoD-ECE, proposed the vote of thanks.

The Two day International Conference on Knowledge Collaboration in Engineering concluded with the valedictory function at the college seminar Hall at 3pm on 25<sup>th</sup> January 2014.

Dr.P.VijayaKumar, Vice-Principal of KCE, welcomed the gathering. The participants were invited to give their feedback on the stage. In that they had expressed that the conference had the right blend of Industry and Academia professionals, which has envisaged the discussion of novel ideas related to the application of Green Technology and Environmental Protection, combined with its related issues and solutions. They have also exclaimed that the objective of this meet will be fulfilled if 10% of the discussions that were made on these two days are implemented in practice.

Er.S.Kuppusamy, Vice-President, PSG Metallurgy and Foundry, Coimbatore was the Chief Guest for the function. He appreciated the efforts made by Kathir Educational Institutions in Protecting Environment by various measures and showing deep interest in Community and Social welfare and development activities.

Moreover, Mr.Kannan Jagathala Krishnan, Research Scholar, Victoria University Melbourne, who was the Guest of Honor for the function, has emphasized the issues related to the environmental pollution and issues like global warming. He also analysed the merits and demerits of renewable energy sources.

The conference report was presented by Mrs.Sangeetha, HoD/IT. The Conference focused on universal environmental protection and planning with the principle of living for today and planning for future. Altogether 650 invited papers and 250 contributed papers adorned the conference. Best paper awards were also given to 8 participants and Certificates were given to all the participants. Dr. M.Sadish Sendil proposed vote of thanks.



*ICKCE 2014 Best Paper Award Distribution (From Left: Dr. P. Vijayakumar, Vice Principal, Participant, Er.S.Kuppusamy, Vice President, PSG Metallurgy and Foundry, Coimbatore, Dr.Kannan Jagathala Krishnan, Research Scholar, Victoria University Melbourne, Dr. M. Sadish Sendil, HoD – CSE)*

**S.PRABAKAR,**

*Counsellor, Kathir College of Engineering IEEE  
Student Branch Coimbatore.*

## **IEEE SB MSEC: Workshop on Windows 8 and Office'13 App Development**

On January 16th, 2013, our student branch office bearer hold a workshop on Windows 8 and Office'13 app development. It was an event that was open to all students of our college. The event started at 4:45 pm in the evening and ended around 6:20 pm.

The objective of the event was to feed the students with basic knowledge on "App Development", to provide them with technical skills that would help them to create projects and also to train them with "Visual Studio" aleading IDE.

The event started at 4:45 pm by our student branch office bearer Mr.T.J.Aparajit lal kumar giving a general idea about the workshop and its scope.

The event begun with the explanation of basic concepts of visual studio 2012, followed by a detailed explanation of app development with proper illustrations ,then the concept of c#, HTML, java-script, CSS were taught with due respect were taught with clear context. All the basics of HTML and CSS were taught. Microsoft New API (Application Program Interface) was discussed. Added, we demonstrated some apps available on Office and Windows 8 store. Then we taught how to make theirown app. Also we discussed how to deploy the app in local system as well as remote system.



*At the time of workshop*

Finally we taught how to create application developer account for free and publish their apps for free or at some preferable cost. So students were aware how they can earn while they are learning.

Our student branch counsellor Mr.C.Kalayana Sundaram concluded the session by providing the certificates to the participants.

*M.Kiruba sankar*

*Vice chair perso, IEEE SB Mepco Schlenk Eng. College,Madras Section*

## **IEEE SB, PES: The University of Queensland: 1.2MW Solar PV plant Site Visit**

IEEE PES student branch at the University of Queensland (UQ) organised a site visit to the UQ 1.2MW solar rooftop PV plant on 22nd of October. This event was attended by 17 IEEE student members from University of Queensland and Queensland University of Technology (QUT). First, there was a technical presentation for visitors at The Global Change Institute. A brief overview of the UQ PV plant and technical information about its online database, generated power, converters and batteries were given to visitors. This presentation was followed by interesting questions from students.

After the technical presentation, students were guided through the PV plant at UQ Centre. First they visited converters room and learnt what their task is and how converters work. And after that they were directed to the rooftop of the UQ Centre where they could see installed PV panels.



*PES student members visiting Solar PV plant at UQ*

*Mehdi Mosadeghy*

*IEEE Queensland PES Chapter –*

*IEEE PES Student Brach Chair at the University of Queensland*



## IEEE SB, SREC: Techkosmos'14

The IEEE Student Branch of Sri Ramakrishna Engineering College organized a National Level Technical Expo - Techkosmos'14 on December 8<sup>th</sup>, 2014. The event was inaugurated by Dr.N.R.Alamelu, Principal of Sri Ramakrishna Engineering College Coimbatore and Mr. K.Balamurugan, IEEE Student Branch Counselor, SREC welcomed the gathering and K.Kamal, PRO- IEEE Student Branch , SREC briefed about "TECHKOSMOS 14"

With over 80 participants from various colleges in Tamil Nadu, the event witnessed a huge success in terms of participation. Project Presentation, named "Razzmatazz", had around 15 teams presenting their innovative ideas, which were judged by eminent Professors of the College. "X-Aggregate", the Poster Presentation competition had representation of over 25 teams propounding their ideas that reflected the ways of advancing technology for humanity. There were various Fun Events that helped in engaging the participants as well as the Guests.

Dr.A. Selvakumar, Managing Director, Encore IT Service Solutions, was the Chief Guest for the valedictory ceremony. An eminent academician and a prominent industrialist, he briefed about the technology and it's advancement for the betterment of humanity.

The Event was also cherished with the certification of appreciation for the winners of the weekly intra college quiz competition-AUSFRAGEN, successfully organized by the IEEE Student branch of SREC. The Doctor appreciated the winners of various events and their participation and awarded the Certificates of appreciation. The IEEE Student branch Awards "Duke of TECHKOSMOS 14" to C.S.Ajaikumar Joint Secretary, who played a key role in organizing Techkosmos'14. He also awarded "ARCUS D' WEB" to M.Lokesh Web Master for the excellent website design. S.Harinath Vice-Chairperson and PremprakashP.G. were awarded the title "TECHKOSMOPOLITAN". Mr. K.Balamurugan IEEE Student Branch Counselor welcomed the gathering. The event was discoursed with the Vote of Thanks by S.Harinath, Vice-Chairperson IEEE SB SREC.



*Valedictory Ceremony*

In all ways Techkosmos'14, resonated its success in par with any other techno-expo event conducted worldwide.

The enthusiasm and the spirit of teamwork on the members' needs special mention as it had been the pillar of Techksomos'14.

*K. Balamurugan,  
Counselor,  
IEEE SB Sri Ramakrishna Engineering College.*

## WIE News & Highlights

### First WIE BD Congress: A call of Engineering for Humanity

With 2013 IEEE R10 WIE support fund, WIE Affinity Group, IEEE Bangladesh Section organized the event "1st WIE BD Congress: A call of Engineering for Humanity" on 20th December, 2013, Friday at Ahsanullah University of Science and Technology (AUST), Dhaka, Bangladesh.

This congress has attracted 95 female registered participants, 5 male participants, 10 female delegates and speakers, 5 male delegates, 15 volunteers and 5 technicians and support staff for event hall management. The congress begins with registration kit collection by the participants, delegates, invited speakers, and volunteers. There was a rally of all around the AUST Campus with an accompanying Congress banner.



*Inauguration of 1st WIE BD Congress after the rally*

After the rally, the congress was inaugurated by flying balloons and festoons. There was a WIE booth showcasing posters, banners, and newsletter of WIE Affinity, IEEE Bangladesh Section. This congress highlighted particularly Women Technical Professionals who are working for the Benefit of Humanity. Here, three experts from Bangladesh with varied technical backgrounds, namely Dr. Dil Afroza Begum, Dr. Umme Kulsum Navera and Dr. Celia Shahnaz provided invited talks. The major events, such as Humanitarian Technology Project Idea Competition, Interactive Session on Humanitarian Technology, WIE logo and poster competitions, panel discussion on Campaign for "Go Engineering Girl" were conducted and crests/prizes/certificates were bagged by the participants. The advantages and opportunities as IEEE WIE member and how to build up leadership qualities, significant past activities of WIE Bangladesh Section and their achievements were displayed during lunch break in the event hall.

*Farseem Mohammedy*

*Editor, Newsletter, IEEE Bangladesh Section*

## **Promoting Girl-Power through WIE-NEDUET's "Women in Academics"**

Featured as the Outstanding WIE Affinity Group of Pakistan for the year 2013-14, the rejuvenated team of IEEE-WIE NEDUET set out to not only replicate their feat but to outdo themselves with their next undertaking – **WIE-Women in Academics (WIE-WIA)**: Piloting an academic strategy to pull the strings and tune up the two frequencies that carry the domains of education in them – Teachers and Students.



*The Chairperson of WIE-NEDUET (Centre) holding the Outstanding WIE Affinity Group of Pakistan award frame*

Led by the Chairperson, Hiba Ovais Latifee, IEEE-WIE NEDUET team steered a two segmented competition being jotted down for 20<sup>th</sup> January 2014: *Speed Circuitry* and *Are You Smarter than Your Teacher? Quiz Competition*. Both arranged inside the main campus of NED University Karachi for female engineers-to be to interact with teachers' intellect and strive for engineering brilliance.

The Speed Circuitry competition unfolded in NEDUET's Computer Engineering Workshop comprised of implementing the proposed circuitry on a breadboard as illustrated in schematics in the allocated time period. The consultative judgment was headed by the technical skills of Engr. Junaid Ahmed Qureshi from the Department of Electrical Engineering, NEDUET on the criteria of time, functionality and practicality of the task achieved. The schematics comprised of single line circuit diagrams of common circuits including *Full Wave Rectifier*, *Voltage Divider*, *Common Collector*, *LED Glow circuits*, etc. The theme was to assess the component devising command of both the teachers and students. The competition was broken down into two rounds and a finale. The IEEE-WIE team members worked side by side with Engr. Junaid for reaching a smooth conclusion at the end of each round. The finale paired two finalist students and two finalist teachers in teams in a showdown for a one winner team in which, the student team emerging as winners was a marvel to behold.

**Quiz Competition:** The WIE team crusaded towards their next dock, the Civil Audio-Visual Hall of NEDUET to hoist up the flag of their last segment: the quiz challenge. The team went through a creative and thorough analytical process in sampling questions for

the three rounds of the following nature: General Knowledge; Engineering Whizz; Audio/Visual round.

The rounds encompassed a variety of questions dealing with cultural, historical, social, political, practical facts and figures, technical applications and principles, and a visual segment in which celebrities, personalities, famous monuments and edifices were covered. The notion that experience is the best educator of all verified itself with the swift awareness of the teachers during the last two rounds and they emerged as the potential winners for the quiz challenge. The winning teachers and runner up students were presented shields and certificates.

Engr. Junaid Ahmed Qureshi was presented with a letter of Appreciation for judging the circuits in Speed Circuitry. All the teachers present there complimented team WIE-NEDUET on bringing forth this great aspect of feminine through this event.



*Engr. Junaid (Left) inspecting a circuit being implemented by a teacher (Right)*

WIE-NEDUET Chairperson then secured the podium and resumed the rest of the event wearing the accomplishing status on her sleeve and a grateful glance to the journey that she had administered. Sharing her thoughts, she narrated how channelling the team in a focused direction brought out the best in the end and marked this event as a venture “of the women, by the women and for the women”. The event ended with a special WIE cake cutting ceremony for the award achievement WIE-NEDUET was able to garner and to mark off a great experience throughout the course of the event.

*Hiba Ovais Latiffee,  
IEEE WIE-NEDUET, Karachi Section*

## Convening the Conference Community

2014 IEEE Panel of Conference Organizers (POCO), will be held from the 17-19 July 2014 at the Hilton Singapore Hotel. The IEEE Panel of Conference Organizers (POCO) is a high level annual event held for event organizers around the globe.

Join IEEE Leadership; including Dr. Howard Michel, IEEE President-Elect, and Bill Moses, IEEE Conferences Committee Chair; along with IEEE in-house experts and fellow conference organizers around the globe.

POCO convenes conference thought leaders and decision makers to address conference leadership practices, changes in policies and approaches specific to IEEE, to explore challenges in the conference landscape, launch new conference initiatives and to set new directions. Attendees represent more than 28 countries, on six of the seven continents.

POCO has dedicated educational tracks for IEEE Conference Organizers and Conference Leadership. Be inspired by unparalleled learning, thought provoking and insightful sessions that will provide a real advantage to your conference planning.

If you are an IEEE Volunteer involved in conferences, please apply to attend POCO as a hosted attendee and receive complimentary registration to the event.

Contact [ieee-mce@ieee.org](mailto:ieee-mce@ieee.org) to request an invitation, or visit <http://ieee.org/go/poco> for more information.

Many IEEE Organizational Units may cover the cost of travel and lodging. Check with yours as soon as possible for this not to miss event.

Be sure to follow the program development and our activity on Twitter at **#IEEEPOCO**. We hope you can join us! This is bound to be an inspirational and informative event.

*IEEE Asia Pacific Office*



## Looking for conference & events?

There are a lot of IEEE conferences to be organized in Region 10. Here is the step-by-step instruction to call up all the conferences and events:

1. Please visit the website: <http://www.ieee.org/index.html>
2. Click on the tabs "Conferences and Events" on the top
3. Under "Search Conferences", type in Region 10 Asia Pacific in Location field.
4. Narrow the search by selecting the date range.

Editor

[R10-ecn@ieee.org](mailto:R10-ecn@ieee.org)

## R10 Executive Committee 2013-2014

### Regional Director:

**Toshio Fukuda**

Email: [tofukuda@nifty.com](mailto:tofukuda@nifty.com)

### Past Director:

**Lawrence Wai Choong Wong**

Email: [elewwcl@nus.edu.sg](mailto:elewwcl@nus.edu.sg)

### Director Elect:

**Ramakrishna Kappagantu**

Email: [kramakrishna@ieee.org](mailto:kramakrishna@ieee.org)

### Secretary:

**Hidenori Nakazato**

Email: [nakazato@ieee.org](mailto:nakazato@ieee.org)

### Treasurer:

**Takao Onoye**

Email: [ono@ist.osaka-u.ac.jp](mailto:ono@ist.osaka-u.ac.jp)

### Vice-Chair of Technical Activities:

**Takatoshi Minami**

Email: [taka.minami@jp.fujitsu.com](mailto:taka.minami@jp.fujitsu.com)

### Vice-Chair of Membership Activities:

**Darrel Chong**

Email: [dchong@ieee.org](mailto:dchong@ieee.org)

### Advisory Committee:

**Janina Mazierska**

Email: [janina.mazierska@icu.edu.au](mailto:janina.mazierska@icu.edu.au)

### Advisory Committee:

**Yong Jin Park**

Email: [yjp@ieee.org](mailto:yjp@ieee.org)

### Awards & Recognition Committee Chair:

**Kukjin Chun**

Email: [kchun@snu.ac.kr](mailto:kchun@snu.ac.kr)

### Conference & Technical Seminar Coordinator:

**Takatoshi Minami**

Email: [taka.minami@jp.fujitsu.com](mailto:taka.minami@jp.fujitsu.com)

### Educational Activities Coordinator:

**Supavadee Aramvith**

Email: [supavadee.a@chula.ac.th](mailto:supavadee.a@chula.ac.th)

### Electronic Communications & Information Management Coordinator:

**Gowtham Prasad K. N.**

Email: [gowthamk@ieee.org](mailto:gowthamk@ieee.org)

### GOLD Coordinator:

(Position vacant)

### History Coordinator

**Isao Shirakawa**

Email: [sirakawa@ai.u-hyogo.ac.jp](mailto:sirakawa@ai.u-hyogo.ac.jp)

### Humanitarian Activities Coordinator:

**Deepak Mathur**

Email: [deepakmathur@ieee.org](mailto:deepakmathur@ieee.org)

### Individual Benefits & Services Coordinator:

**Michael Ling Chuen Ong**

Email: [ongmichael@i2r.a-star.edu.sg](mailto:ongmichael@i2r.a-star.edu.sg)

### Industry Relations Coordinator:

**Ravikiran Annaswamy**

Email: [ravikiran.a@ieee.org](mailto:ravikiran.a@ieee.org)

### Life Members Coordinator:

**Kunio Tada**

Email: [kunio.tada@jcom.home.ne.jp](mailto:kunio.tada@jcom.home.ne.jp)

### Membership Development Coordinator:

**Darrel Chong**

Email: [dchong@ieee.org](mailto:dchong@ieee.org)

### Newsletter Editor:

**Ruey-Beei Wu**

Email: [rbwu@ew.ee.ntu.edu.tw](mailto:rbwu@ew.ee.ntu.edu.tw)

### Professional Activities Coordinator:

**Hui Zhang**

Email: [zhanghui@iscas.ac.cn](mailto:zhanghui@iscas.ac.cn)

### Section / Chapter Coordinator:

**Elmer Dadios**

Email: [elmer.dadios@dlsu.edu.ph](mailto:elmer.dadios@dlsu.edu.ph)

### Strategic Planning Coordinator & R10 Sections

### Congress Coordinator:

**Zia Ahmed**

Email: [zia.ahmed@ieee.org](mailto:zia.ahmed@ieee.org)

### Student Activities Coordinator:

**Om Perakash**

Email: [opbatra2kn@gmail.com](mailto:opbatra2kn@gmail.com)

### Student Representative:

**Pasan Pethiyagode**

Email: [pasan.uom@gmail.com](mailto:pasan.uom@gmail.com)

### Women in Engineering Coordinator:

**Takako Hashimoto**

Email: [takako@cuc.ac.jp](mailto:takako@cuc.ac.jp)

### IEEEAsia-Pacific Limited:

**Fanny Su & Ewell Tan**

Email: [ieeepo@pacific.net.sg](mailto:ieeepo@pacific.net.sg)

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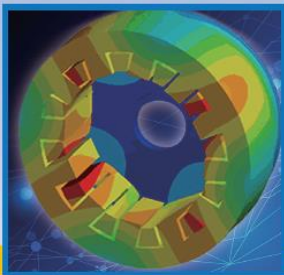
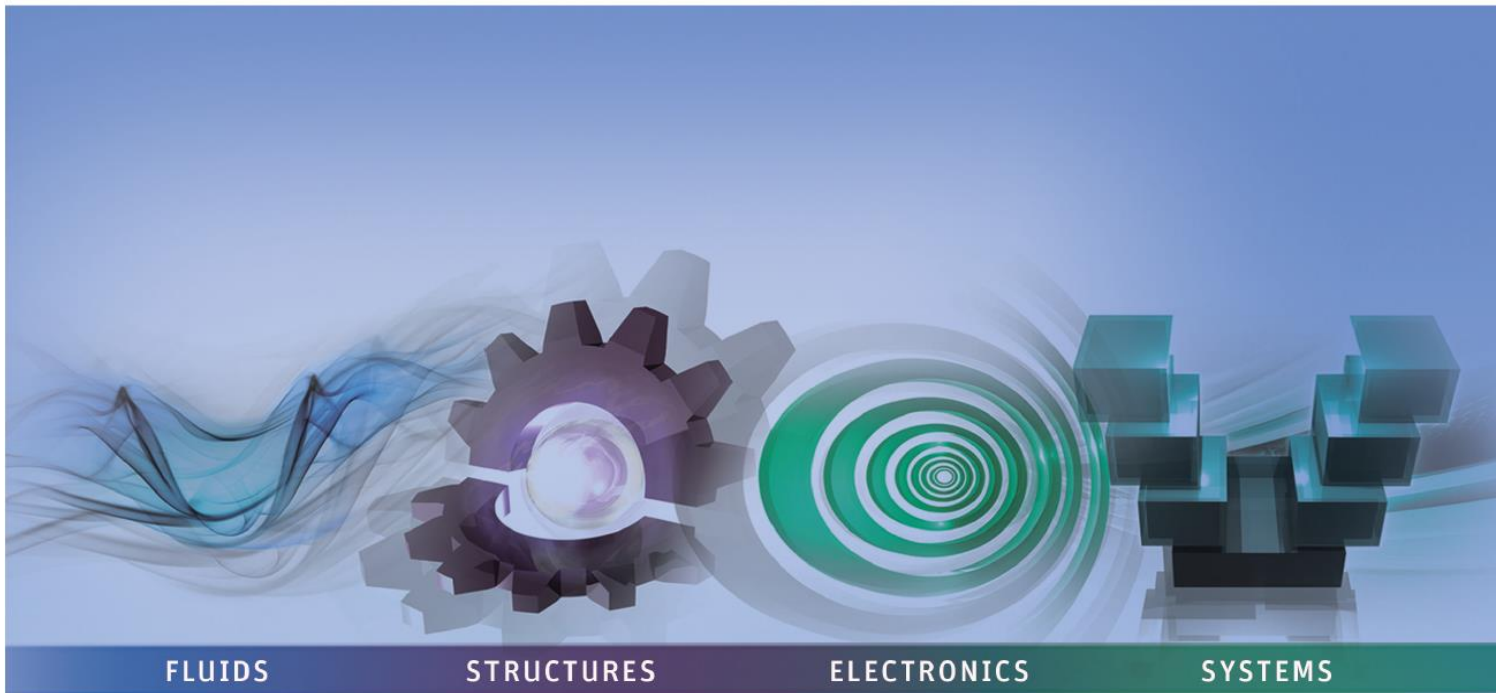


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