December 2015

IEEE
REGION 10
NEWSLETTER

Directors Message

Dear IEEE R10 members,

I wish all Region 10 members a happy and prosperous 2016. Hope this year brings professional growth, wellness and all your dreams come true. It's truly been a wonderful 2015 as we sign-off on a progressive year at Region 10 office. I also take this opportunity to congratulate and extend my wishes and commendations to all volunteers who made our achievements possible. Our members and volunteers are our strength and I am extremely proud of you all.

We at R10 have embarked on various strategic initiatives in the region and some of them will be rolled out to all member countries in R10 soon. Our focus was to address challenges w.r.t. Industry Engagement, Young Professionals & Student engagement in areas of Entrepreneurship and Internship as well as student retention and recruitment issues.

As a part of our volunteers' sustained & untiring efforts, I am happy to announce that in a short time in this year we are going to launch the Medical Insurance Program for the India Members as a pilot program which were very popular across IEEE Regions 1 to 7. This offers Group Medical Insurance to all IEEE members (including students) whose membership is active and can cover even their parents/families depending on the premium/cover insured.

We celebrate golden jubilee of R10 initiation in 2016. We had called for sections to host events and R10 would also be holding yearlong events across R10 to commemorate its golden jubilee celebrations from 24th August 2016. I request everyone to take part actively in these celebrations and contribute extensively to your section or chapter growth.

It's a good time to renew/enrol IEEE membership and I request you all to follow procedures here. Overall good support is being extended and looks forward for building a strong and strategic bond between the region and IEEE through its potential member/volunteer strength.

Ramakrishna Kappagantu
IEEE Board of Directors
Region10 (Asia-Pacific) Director

Editor's Note

Dear IEEE R10 members,

It's been a momentous year for the R10 Newsletter team. With the newsletter magazine going online, the benefits of taking news to members quickly and being able to read it on demand has made a lot of difference. We are quite thrilled by the positive outcome as the number for entries to publish articles have significantly gone up and the engagement on this newsletter site has been quite humungous. Online magazine can be accessed at www.ieeer10.org/newsletter.

Quite clearly, we are moving towards a connected world. In near future, the portable document you're reading now could be able to gauge your interest and provide a real time feedback as to how your experience was. We want all our members to contribute to the R10 blog by sharing their views and ideas on science and technology so that we can keep the information sharing culture alive.

This happens to be mine as well as my team's last edition for the year. We are happy to pass on the reigns to Zia Ahmed as his meticulous ways would be of great benefit to the management of the newsletter.

The newsletter and the online magazine would not have been possible for the relentless efforts of the newsletter team. I take this opportunity to thank the team for their efforts and continued support.

Wishing all the members a happy and prosperous 2016!

Adib Kabir Chowdhury
Dianne Cheong Lee Mei
Nayeem Abrar Ahmed
Farhana Choudhury
Hosain- Musanna
John Benedict
Anindo Saha

Nitin Keshav
IEEE R10 ECIM

IEEE R10 and Section Updates : News and Highlights

IEEE Technical Field Awards and IEEE Fellow grade

The IEEE is the world's largest professional association advancing innovation and technological excellence for the benefit of humanity. IEEE and its members inspire a global community to innovate for a better tomorrow. IEEE is the trusted "voice" for engineering, computing and technology information around the globe.
Nominations are now due for the following Institute wide Awards and Recognitions:

2017 Technical Field Awards - The IEEE Technical Field Awards are awarded for contributions or leadership in specific fields of interest of the IEEE

Class 2017 IEEE Fellows - IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary accomplishments in any of the IEEE fields of interest are deemed fitting of this prestigious grade elevation

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R10 Awards & Recognition Program in 2015

Every The IEEE Region 10 Awards and Recognition program is designed to promote, recognize, and reward excellence in promoting the interests of IEEE in the geographic unit activities (Councils, Sections, Chapters, Affinity Groups, Student Branches, and Student Branch Chapters). The R10 Award and Recognition program is administered by the R10 Awards and Recognition Committee (R10 ARC) under the leadership of R10 ARC Coordinator. Conducting the IEEE Region 10 awards program in a fair manner mandates that all terms and conditions for the awards are written and available to members beforehand. This is particularly important to keep the R10 Awards & Recognition program transparent and unambiguous. In 2015 an initiative for consolidation of the R10 Awards & Recognition program was undertaken to achieve this goal, which resulted for the first time in written descriptive documents for all R10 awards (except for R10 Education Activities) and a single call for nominations.

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2015 REGION 10 Award Winners

The winners of R10 awards for 2015 were announced in November. It is very heartening that because of a large number of strong nominations in majority of categories this year, the competitions for the awards were of high quality. It wasn't an easy job for the judging panels to select the best among so many strong candidates.

The following awards were announced –
* 2014 R10 Distinguished Section Awards
* 2015 R10 Outstanding Volunteer Awards
* R10 Humanitarian Technology Activities Awards
* IEEE R10 WIE Activities Awards
* IEEE R10 Best Young Professionals Volunteer Award

The R10 Awards & Recognition Committee and several other award judging panels carried out the assessments of large number of reports and nominations

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IEEE WIE Student Branch of University of Engineering and Technology, Taxila organizes charitable Ramadan activity under 'IEEE Cares'

The IEEE CAS Society Malaysia Chapter (IEEE CAS M) with collaboration from CSIMAL, UTP and EE Department UTP has successfully conducted the 3rd edition of the IEEE CAS Society Malaysia Chapter High-Tea Networking Event. The IEEE CAS Society Malaysia Chapter High-Tea Networking has now became a yearly event which aims to be a platform for intellectual interaction between IEEE members, fellows, engineers and academicians, to share knowledge and opportunities. In the event, IEEE CAS M was also performing the Higher Education Student Project Exhibition Day where the students could communicate and present their work using a scholarly poster. The poster presentation was the first exercise of educational activity performed by IEEE CAS M during High Tea event.

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IEEE R10 Section Updates : News and Highlights

YP Track at TENCON 2015

The Young Professionals track for the IEEE Region 10 Conference, TENCON 2015 started by the session on "Rejuvenating Young Professionals" by Mr. Ranjit R. Nair, IEEE Region 10 Young Professionals Coordinator. During his session, he emphasized on the benefits of being a Young Professional in IEEE and how IEEE can be beneficial to them. He cited examples of various young professionals across the globe who have been active IEEE members and benefited very much by contributing to technology and society.

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IEEE Bangalore Section hosted the 2015 SmartTech Workshop

IEEE Bangalore Section conducted its 2nd edition of IEEE Smart Tech Metro Area Workshop on 25th & 26th September at Hotel Lalit Ashok, Bangalore. IEEE Smart Tech Workshop provided participants a unique learning experience with topics on the cutting edge of technical innovation today. This two day workshop was focused on providing an opportunity for participants to learn first-hand from the field experts. This workshop was a springboard to a deeper understanding of technology and its myriad applications and potential for innovation.

This year's workshop was designed to supplement the two great initiatives of the Government of INDIA to infuse technology in to our daily life; through "Digital India" Initiative viz. MAKE IN INDIA and SMART-CITY MISSION. There were 110 participant for Make in India track and 140 participant for Smart City track. Conference was sponsored by IDS-ingegneria, TE Connectivity, AirBus DS & TCS. The technical programme comprised of 1 Inaugural Address, 2 Distinguished Keynote Talks, 12 Technical sessions in Make in India Track ,and 13 Technical Session in Smart City Track. 3 Panel Discussions were also arranged for the participants of both the tracks.

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Elementary Robotics Workshop – Lahore

Elementary Robotics Workshop, as organized by the IEEE Robotics and Automation Society NUCES Lahore Chapter, was held on 17th October, 2015 at FAST-NU Lahore Campus. The main focus of the workshop was to provide hands-on experience to the students, enabling them to build their own mobile robot. Ten groups from the university consisting of 35 participants took part in this workshop. Students included Electrical engineering and computer science students both male and female.

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International Workshop on Consumer-Centric Internet of Things (IoT) – Malaysia

Realizing the need for consumer applications on Internet of Things (IoT), IEEE Consumer Electronics Malaysia Chapter organized an International Workshop on Consumer Centric Internet of Things (IWCCIoT 2015), from 2-3 October 2015. The workshop was also jointly supported and organized by Cyber-Physical System Unit, Department of Computer Science, Faculty of Computer Science and Information Technology (FSKTM) of University Putra Malaysia. IWCCIoT 2015 included a full two-day program of three keynotes, five tutorial lectures, two technology demonstrations that focus on various aspects of Internet of Things spanning from Security to Smart City, Consumer Devices to Digital Storage, Mobile Edge Computing to Home Automation.

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IEEE Day Celebration at Pakistan's UCET Student Branch (University college of Engineering and Technology, Islamia University Of Bahawalpur)

A two days workshop on 'Technology, Learning & Teaching' as part of IEEE Day Celebrations were conducted by the student branch. More than 100 students and 20 faculty members participated in this workshop. Dr Ashraf Iqbal, invited speaker spoke about the missing elements of a class room - the interest, the passion to learn and the critical thinking. He also added that its the job of the teacher to make the students think, digest and understand the content, rather than just listening to it and taking notes.

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Workshop on LaTeX Organized by Circuits and Systems Society NUCES, Lahore

A one day workshop on LaTeX was organized by IEEE Circuits and Systems Society NUCES on 13th November, 2015 in FAST-NU Lahore. LaTeX is a documentation tool, widely used in academia, a document markup language for publication of scientific documents.
The main objective of this event was to familiarize participants with the use of LaTeX. The participants were instructed on how to use this tool for writing research papers, as well as preparing their final year project reports and thesis.

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Delhi Section's exuberance continue – 2015 Round up

IEEE Delhi Section has shown innovation, enterprise and active all round participation in the year 2015 under the guidance of Prof. Mini Thomas, Chair, Delhi Section, Dr. Rachana Garg, Chair, Delhi SAC, ably supported by Gitansh Anand, Delhi Section Student Network Mentor, Vaibhav Vats, Delhi Section Student Representative, and SAC team.

Delhi Section is one of the largest sections in terms of size with two subsections- Chandigarh and Rajasthan- under it and almost 150+ Student Branches, Student Chapters and Student Branch Affinity Groups. 2015 was a busy year as the section conducted Branch councilors, chairs, mentors meet, India Strategic Initiative Student Retention Project, WIE Congress, Android workshop and many more.

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Miracle Of Light – An intuitive talk at National Taipei University of Technology

A technical seminar of Miracle of Light was held at packed conference center of National Taipei University of Technology. Professor Han-Han Lu, consultant of the IEEE Student Branch and professor at National Taipei University of Technology gave a wonderful speech on the historical development and importance of light: the miracle of light (using light to measure distances), micro sensing components, biological optical systems, and fiber optics.
Famous academician of IEEE, Professor Silvano Donsti from Pavia University, lectured on the miracle of light: using light to make measurements, from the interaction between Einstein and Planck regarding light material followed by Professor Nan-Guang Chen from Union University gave a lecture on micro sensing.

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