

Editorial Note

This issue of the Region 10 Newsletter covers many important articles and interesting news from across the region.

In couple of months we will have the opportunity to elect the IEEE President for 2018 and R10 Director for 2019-2020. The opportunity to vote in the IEEE annual election is a privilege of our membership as well as a responsibility to elect the best people to lead the world's largest professional organisation. To assist you in making an informed choice, the newsletter contains information about the candidates and their position statements. This year we have two candidates for IEEE President-Elect 2017, James A. Jefferies and Wanda K. Reder. And the two candidates for R10 Director-Elect 2017-18 are Stefan G. Mozar and Akinori Nishihara. All four candidates have excellent credentials; for details please see next few pages. The 2016 IEEE Annual Election ballot package will be provided on 15 Aug 2016 to eligible voting members and voting will close on 03 Oct 2016.

It is also a pleasure to inform you that the R10 Newsletter is planning to publish the history of R10 to mark the 50th anniversary of IEEE Region 10 (1967 – 2017). As R10 celebrates its 50th anniversary it is the right time to look back and see its growth, starting from few Sections to a thriving largest region of IEEE in the world. It is time to recall and cherish the early struggle of volunteers in the days when there were no emails and communication link were unreliable and yet Sections successfully organised significant activities to attract members and grow from strength to strength. To remember the struggle and achievements of the large number of IEEE volunteers in the region, it is important that we preserve the history of all the Sections and Chapters and other Organisational Units (OUs). The newsletter is therefore intending to publish five decades of R10 history in five regular issues starting from December 2016; each issue will cover one decade. The R10 History Committee has also taken the challenging task to compile the R10 history in a presentable document. The R10 Newsletter and the History Committee cannot achieve their goals without your support. All Section leaders are therefore requested to contact old members and record their recollections of early days and search for old photographs and documents that may help to shed some light on the growth of the Section since its establishment. In addition to organizational history, technical history in the Sections is also important. Please try to find out the introduction of technology in your geographical boundaries. For example, when the first Telephone Exchange was established or a TV channel started its service. Are there any Scientific and Technical R&D organisations within your OU area that discovered or invented something that may be used for IEEE Milestone proposals? For some examples and ideas, please see:

http://www.ieeer10.org/wp-content/uploads/2016/05/IEEE_Region_10_Centennial.pdf

For publication in the R10 Newsletter please forward the history of your Section, Chapters, Affinity Groups and Student Branches to r10-ecn@ieee.org and to ieeepo@ieee.org for inclusion in the R10 History document.

Editor

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IEEE PRESIDENT-ELECT 2017 CANDIDATES

Introductions and Position Statements of IEEE President-Elect Candidates

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

James A. Jefferies

(Nominated by IEEE Board of Directors)



I come from a long and deep experience in industry manufacturing as an engineer, manager, Director, and Vice President at AT&T and Lucent Technologies with experience in many areas including early introduction of fiber optic cable, quality assurance, and worldwide supply chains. I attended Stanford

Business School mid-career as a Sloan Fellow earning a degree in Management Science. Later I teamed with fellow graduates as Chief Operating Officer in an entrepreneur venture. I have served as Region Director with multiple terms on the IEEE Board, provided valuable expertise to board committees, and was President of IEEE-USA in 2015 focused on member services that can and should be globalized, humanitarian outreach of the MOVE project, and the first national Future Leaders Forum.

Statement

IEEE today is strong with organizational breath, both in geographic and in technical scope, with a powerful brand that can be used to open new opportunities, and with an enviable mission of “Advancing Technology for Humanity”.

But IEEE also faces some challenges beginning with **maintaining our relevance** both to members in programs that we offer and to society in fulfilling the mission we have set to secure our future. We also face challenges to **our basic business models** as alternatives to conferences and publication revenue streams become available. We depend on surplus revenues to support our ongoing society vitality as well as our education, public policy and humanitarian commitments and will need to adapt ahead of the changes. Many people know who we are but are not aware of all that we do in advancing technology which provides an opportunity to **expand our public visibility message** with great stories about the impact our activities are have.

We have a roadmap strategic plan in place that I fully support. But the plan is only as good as its execution and that will require operations strength in setting priorities, establishing accountability, and an innovative approach to issues such that we make new commitments to change quickly and exit activities that are not providing high value.

While these are general issues and responses, I think there are some important focus areas for IEEE.

- **Lead the way in emerging technologies and forums** meaning more communities with a multidisciplinary perspective. Provide trend analysis with industry groups, and enrich our forums with value add of policy and standards.
- **Plan to leverage our global reach** by projecting our policy voice from the foundation that has already been established. This is a place to highlight our humanitarian impact and also to partner with other professional and industry groups that share our interests.

- Renew focus on members and on the value of membership

In my view, we are a **professional membership organization**, volunteer led and staff supported, meaning more than just a collection of businesses. Our members are those learning, teaching, practicing, inventing, and advocating for technology. Their needs are different. In an overlapping dimension they are also young professionals, entrepreneurs, women, and consultants. While we cannot be everything to everyone, we need to test, **tailor, and improve our value** proposition to each target group. I think we must also be open to alternative membership models.

Much of the future of the IEEE is in our learning to support student member transitions to full membership, embracing early and alternative career path professionals, keeping our foundation technical leadership, and reaching out to our broader fields of interest.

IEEE has a proud legacy and is a recognized leader in many areas. The President must work with the staff and volunteer leadership to understand and address the changing environment and to represent the voice of all members. I have the depth of business experience, business training, and only the highest interests of IEEE to define that future. I believe in a creative approach to management that challenges solving difficult problems but inspires people to enjoy and celebrate. As your President I will listen well, communicate articulately, and support the many leaders around me.

The world's leading technical professional organization is facing some major transitions but can grow that lead with a seasoned leadership focused on crisp priority and execution in building powerful technical communities, leading emerging technology forums, expanding our global policy voice, and renewing our focus on membership. These are my goals for IEEE - **assured by your vote.**

Message to R10 Members

Thank you for the opportunity to share my perspectives on leadership, organizational development and the future of IEEE in this Region 10 newsletter. Let me offer my congratulations as Region 10 celebrates 50 years since its initial formation. This period has been marked by substantial membership growth, a growing recognition of the IEEE brand across the region, innovative new member programs, effective conference venue support, and the marketing of IEEE products. Our continued commitment to regional offices, bringing an ever expanding range of IEEE benefits to members in the region, and the inclusion of R10 leaders in our global planning have my support. Regions are unique but they all exist to provide an enhanced member experience through sharing of best practices, providing resources beyond the local base, and bringing diverse member groups closer together.

Website: jamesajefferies.com

Linked-in: [linkedin.com/in/jimjefferies](https://www.linkedin.com/in/jimjefferies)

Facebook: [Facebook.com/Jim.Jefferies.IEEE](https://www.facebook.com/Jim.Jefferies.IEEE)

IEEE PRESIDENT-ELECT 2017 CANDIDATES

Introductions and Position Statements of IEEE President-Elect Candidates

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

Wanda K. Reder

(Nominated by IEEE Board of Directors)



Wanda Reder is the Chief Strategy Officer at S&C Electric Company, a global provider of electric power switching, protection, and control solutions. She has responsibility for strategy, competitive positioning, and acquisitions, and has built an engineer-procure-construct organization that positioned S&C as a leader in wind, solar and energy storage markets. Prior to S&C, she served as Vice President at

Exelon, overseeing asset management, engineering, planning and standards for electric utility power operations in Philadelphia and Chicago.

Her qualifications include multiple IEEE board experiences and extensive global involvement that has provided a broad understanding of IEEE and membership interests. Wanda played a leading role in the success of IEEE Smart Grid, highlighting a technical vision for the organization—one that can be leveraged in other emerging multi-disciplinary areas to further advance IEEE as a trusted source and technical leader. Such action was demonstrated by Reder's collaboration with Region 10 members to establish the annual conference "Innovative Smart Grid Technologies (ISGT) Asia" in 2011, with the goal of advancing smart grid related technologies and implementation in Region 10. ISGT Asia proved to be a timely venue for stakeholders to share and exchange experiences at conferences held in Australia (2011), China (2012), India (2013), Malaysia (2014) and Thailand (2015). With a proven track record of leadership, also demonstrated by the success of the IEEE Power & Energy Society (PES) and the launch and ongoing success of the IEEE PES Scholarship Plus Initiative, Wanda is uniquely qualified to lead the Institute as IEEE 2017 President-Elect.

An IEEE Fellow, Wanda serves on the U.S. Department of Energy's Electricity Advisory Committee, and was elected into the National Academy of Engineering for leadership in electric power delivery and workforce development.

Statement

My near-term focus is on growth for IEEE and its members. To do this, my platform is anchored with the following three pillars:

Increase Global Engagement

...with a specific focus on industry. Membership engagement is local, everywhere, and important to IEEE's vitality. A deeper connection with members, and especially industry and practicing engineers, is needed. In doing so, we can ensure increased participation by better illustrating IEEE benefits and providing services that are truly valued.

Improve Relevancy

...by remaining a leader in technical development that is made available through improved tools that contemporizes and transforms IEEE content and its delivery. Through partnerships, the access and delivery of relevant information can be enhanced

with improved search capability, online access, connectivity and use of mobile devices.

Build More Value

...by offering competency-based education that supports career progression. Engineering careers are increasingly collaborative, multidisciplinary, entrepreneurial, and global, which is changing professional education needs. IEEE can increase value for membership and industry by becoming a career development partner that enables progression through competency-based education that is IEEE certified.

Message to R10 Members

Wanda on the Importance of Region 10 to IEEE's Future

IEEE is an extraordinary community, having greater global reach and broader technical scope than any other. By leveraging the Institute's collective strength, IEEE will continue to play a predominate role in advancing technology for humanity. Region 10 has been, and will continue to be, one of the most exciting IEEE Regions, with ongoing growth and investment in technology and R&D personnel. In fact, it is the fastest growing IEEE Region, encompassing both established and emerging economies.

To make the most of the potential represented by Region 10, it will be important to meet the unique, evolving, and wide-ranging needs of its IEEE members. This can be accomplished by increasing organizational focus on Region 10 members through improved collaborative support, responsiveness, and agility when addressing regional inputs. IEEE Board of Directors have been addressing this through strategic planning. As IEEE President, my plan is to advance the strategic plan into implementation by aligning priorities, resource allocation, and financial investment. I will accelerate IEEE's globalization efforts and provide more regionally focused products and services. This will include a greater emphasis on competency-based education and a strategic focus on science, technology, engineering, and mathematics (STEM) initiatives, with more IEEE technology competitions, scholarships and support for young professionals.

To learn more please see www.wandareder.com. Also, please do make your vote count. Voting starts August 15 and concludes October 3, 2016. With your support, I look forward to the opportunity to be your 2017 IEEE President-Elect.

Website: www.wandareder.com

Linked-in: <https://www.linkedin.com/in/wandareder>

Facebook: <https://www.facebook.com/wanda.reder.1>

Twitter: @wandareder

IEEE Election Dates

15 August 2016: Annual election ballots are sent to all voting members on record as of 30 June 2016. Voters may also begin accessing their ballots electronically.

03 October 2016: Ballot must be received by 1:00 p.m. ET/17:00 UTC.

IEEE Region 10 Delegate-Elect/Director-Elect, 2017-2018

Introductions and Position Statements of IEEE R10 Delegate-Elect/Director-Elect Candidates

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

Stefan G. Mozar

(Nominated by IEEE Region 10)



CEO Dynexsys, Sydney, Australia,
and
Adjunct Professor Guangdong
University of Technology,
Guangdong, China

I obtained my engineering degrees from the University of New South Wales in Sydney, Australia, and my MBA is from University of Technology Sydney. I am a Fellow of the IEEE, and of the Institution of Engineers, Australia. I am a Chartered Professional Engineer, and Registered Professional Engineer in Queensland (RPEQ).

I have extensive experience in industry and academia. This includes senior leadership roles in Technology companies, and I have taught for a number of Australian, Asian, and British Universities. My work has resulted in inventions, patents, and publications. In R10 I have lived and worked in Australia, China, Hong Kong, and Singapore. I worked on projects in India, Indonesia, Malaysia, Thailand, and Vietnam. This has provided me with a strong understanding of Region 10. I am the editor of the 6th edition of the McGraw-Hill Electronics Engineering Handbook to be released in 2017. I was chosen for this role due to my network and expertise.

My contributions to advancement of the IEEE in R10 and globally have been recognised with a number of awards from the IEEE and external organisations.

Position Statement

Region 10 is playing a significant role in the IEEE. Yet it seems that the Board of Directors has not woken up to the implications of these changes. Our region has 27% of the total IEEE members that is more than any other region. We have 42% of women and 37% of student members. Surprisingly, 27% of all IEEE members have 10% of the voting power. Compared to other regions 1 to 6, we don't have the strength in representation that we should have in a truly democratic process. Our region is growing in membership, and economic significance. Some of the world's leading economies are in Region 10. There is enormous growth in conferences, which is driven by our region. Growth in publications is also very significant in our region. The significant growth and contribution towards learned society activities from R10 will continue.

What do I plan to do for Region 10?

I will educate the IEEE executive leadership team of the imbalance towards members in Region 10. I will request members from our region are appointed into various positions in the IEEE senior roles. That more recognition is given to the achievements of R10 members. To do this I will form committees to identify strong candidates for positions and awards. Then provide them with support to help them gain the recognition and are given the leadership opportunities they deserve.

These members will work as a team to serve the community that has supported them. We will listen to our members and provide them with a strong voice to the IEEE board.

I will help Technical Activities Board (TAB) units to build bridges with R10 communities, to help support the growing activities in our region. There is enormous growth in our region in conferences, and publications, and other activities. Collaborative efforts between TAB and MGA will strengthen these efforts and support these activities, thus providing more and better services to our members. Within our region we have plenty of opportunities for collaboration. It will help provide benefits to our members across the entire membership life cycle, from student to life member.

Why vote for me? Through my contributions in the IEEE, I have gained visibility, and have built a strong network that will not only enable me to bring the growing significance of R10 to the board, but my network will also support me in bring positive changes to the IEEE that will benefit members in our region.

Message to R10 Members

I bring many years of IEEE, educational and industry experience to the table. I have a successful track record in leadership, and delivering positive outcomes. This has been recognised by the IEEE. I have been given opportunities to contribute and lead a number of committees. My experience includes being a Society President (Consumer Electronics). Under my leadership with the support of Professor Hase, we managed to get all Japanese professional societies relating to consumer electronics to meet for the very first time and work together for the benefit of our members. It was a historical moment. This has never been done before in Japan. I can relate many more such achievements. To enable me to serve you, and enhance your membership may I request your support by voting for me to represent you?

Akinori Nishihara

(Nominated by IEEE Region 10)



Akinori Nishihara received the B.E., M.E. and Dr. Eng. degrees in electronics from Tokyo Institute of Technology, Japan, in 1973, 1975 and 1978, respectively. Since 1978 he has been with Tokyo Institute of Technology, where he is now Emeritus Professor and Professor of Human Assets Promotion Program for

Innovative Education and Research (HAPPIER). His research interests are in signal processing and educational technology. He published more than 300 technical papers in refereed international journals and conferences. He received IEICE Best Paper Award (1999), IEEE Third Millennium Medal (2000), Distinguished Service Award for IEEE Student Activities (2006), Tokyo Tech Best Teacher Award (2009), Tokyo Tech Best Engineering Teacher Award (2013), IEEE Region 10 Outstanding Volunteer Award (2015), and Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology (2016). He is an IEEE Fellow, an IEICE Fellow, and a member of AACE, APSIPA, and JSET.

Akinori Nishihara served as an Associate Editor of the IEEE Transactions on Circuits and Systems II from 1996 to 1997, and was a member of IEEE CAS Society Board of Governors from 2004 to 2005. He has been serving in IEEE Region 10 Executive Committee, as Student Activities Committee Chair (1995-1996), Treasurer (1999-2000), Educational Activities Committee Chair (2001-2004), Bylaws and Operations Manual Coordinator (2007-2008), Strategic Planning Coordinator (2009-2010), and History Coordinator (2016). As a Japan Council Executive Board member he coordinated Sections in Japan; especially he helped Shin-Etsu Section for its establishment in 2006. He also contributed to establish Japan Council WIE Affinity Group in 2005. He started Student Branch Leadership Training Workshops in the Region in 1996. He continued the Training Workshop in Japan for 11 years, and contributed to increase the Branches and help improve Branch activities. He has been contributing various Section activities, especially for young members. Since 2004, he has been the founding adviser of the IEEE Tokyo Young Researchers Workshop (renamed as IEEE Transdisciplinary-Oriented Workshop for Emerging Researchers since 2014), where young researchers exchange ideas for the future using poster presentations.

Position Statement

IEEE Region 10 has more than a quarter of total IEEE members and is still growing. IEEE and Region 10 are quite vibrant in their technical and social activities, but to further stimulate local and global activities I will do my best to achieve the following goals:

- Expand benefits and services to members
 - Increase prestige, recognition and visibility of Region 10 members among IEEE community
 - Enhance value of membership and member satisfaction with proper services
 - Empower and reward Sections/Chapters by stimulating local/global activities
 - Expand humanitarian technology activities by supporting local/global level programs
- Promote better achievements of geographical units in the Region
 - Increase synergy by providing Region support to local leadership
 - Establish new geographical units in emerging countries and revive inactive units
 - Empower industry practitioners, young professionals, students, and women in engineering
 - Encourage collaboration between Sections and Chapters, and between academia and industry
- Contribute to the IEEE operations
 - As a representative of Region 10, I will contribute to proper operations of IEEE by doing my duties.

Message to R10 Members

If elected, I will work passionately to enhance value and benefits of membership and member satisfaction. Especially I would like to promote more activities for Young Professional, Students, and WIE everywhere in our Region, by which I believe we can make our Region more vibrant. IEEE is our home of career and professional development as well as technical activities. I owe my career as a university professor to IEEE. I will respect the wishes of my family members and devote every effort to our home, IEEE. Please visit my sites;

<http://AkinoriNishihara.com/>

<https://www.facebook.com/akinori.nishihara.ieee/>

IEEE REGION 10 HUMANITARIAN TECHNOLOGY

CONFERENCE 21 – 23 December 2016

Call for Papers

IEEE Region 10 Humanitarian Technology Conference 2016 (IEEE- R10 HTC 2016) is to be held at Dayalbagh Educational Institute, Agra, India on December 21-23, 2016. This is a premier annual cross disciplinary conference that provides a common platform for technologists, engineers, scientists, investors, representatives from NGOs, governments, academia and the industry to discuss recent advances in Humanitarian Technologies to foster a sustainable way of life.

Dayalbagh, translated into English as "*Garden of the Merciful*" is a 100 year old self-contained smart-eco-village. Propelled by humanitarian technologies and Sigma 6Q model, Dayalbagh is an example of a sustainable way of life. The Dayalbagh Educational Institute, a premier university of India, has emerged as a triple entity with the three fold functions of a Secondary Board, a Technical Education Board and a University. The Institute has introduced a scheme of innovative and comprehensive education in the above three domains with the aim of developing in its Alumni an integrated personality of a well-adjusted complete person.

Authors are invited to submit full papers describing original research in the following conference tracks:

- **Energy:** New trends and technologies in renewable energy systems, smart micro-grids, smart grids and renewable energy integration
- **Environment Systems:** Environmental systems management, particulate matter and its role in health & climate, air & water pollution, regulation and remediation, sustainable eco-habitats, waste management environmental informatics, disaster risk and reduction management, robotics for disaster Applications
- **Education Systems:** Information & Communication Technology (ICT) in educational management, inclusive education, pedagogy, open and distance learning, vocational education
- **Healthcare:** Biomedical and healthcare technologies, telemedicine, Agriculture & Dairy: Precision agriculture, controlled environment farming, post-harvest technology, dairy and dairy products
- **Smart Villages:** ICT for smart villages, eco villages, intelligent transportation systems, smart vehicles
- **Women Empowerment:** Technologies for women empowerment and women security

Important Dates:

Last date for paper submission: 30 July 2016

Notification of paper acceptance: 30 September 2016

Last date for camera-ready paper is 15 October, 2016

Paper Submission Guidelines: The authors are invited to submit their papers by the deadline through the HTC 2016 submission page. The submissions will be peer-reviewed for originality and scientific quality. Papers should follow IEEE Conference format at:

(http://www.ieee.org/conferences_events/conferences/publishing/templates.html), and should not exceed 6 pages. For further information and links for paper submission please visit the conference website: <http://www.ieeehtc2016.com/>

IEEE R10 News and Highlights

R10 Support and Guidelines for Life Members Affinity Groups

Life Members of IEEE are those who have worked long enough in their respective professional suites, contributing to advancing technology, while remaining active as a member for decades. They are retired, but most of them are not tired at all. They want to be useful to other members of the Institute, of their profession or even to engineering professionals at large and to the society. But, can they work?

IEEE has configured cosy work spaces for them through the provision of Life Members Affinity Groups (LMAGs). If a Section has six life members, they can requisition for forming an LMAG. Even if there is no LMAG in a Section, unattached LMs (includes Life Senior Members and Life Fellows as well) can plan and organize many useful projects that will attract attention from others. The Section Chair and ExCom can facilitate LMs to work as role models in the respective Sections.

It is worthwhile to know that there are around 1600 life members in Region 10, spread out in 53 Sections. Of these 33 Sections can have LMAGs and 7 are already working for years as Active LMAGs. If Section Chairs and a few LMs in the remaining 26 Sections decide to utilize the long and mature experience of the Life Members in the respective areas, we can certainly form more LMAGs in R10 and allow them to make Section activities more vibrant.

But the basic question every LM will have in his mind is: from where will you get the money for running a set of activities beyond what the Section is already doing? IEEE Life Member Committee and the IEEE Life Member Fund is having provisions to support LM activities. A LMAG can get reimbursed (Section can advance this money) up to US\$ 1000 per year for its activities. In addition for two meetings organized by LMAG, a rebate of US\$ 200 can be claimed. If six meetings get organized, rebate will go up to \$275. If expensive meaningful projects are to be undertaken with the involvement of various other entities like SBs, YP, WIE, SIGHTs, Societies and Chapters, IEEE Foundation funding could be sourced. Money, therefore, is no barrier to organizing activities by LMs.

The Region 10 ExCom has this year laid a red carpet for LMs to mobilize themselves and get noticed as contributors to 'Advancing Technology for Humanity'. The following, easily achievable project types are listed for enthusiastic, not so tired, life members to get active:

1. Mentoring other activity groups within the Section
2. Volunteering for International/National conferences in the concerned geographical unit
3. Help project IEEE activities to sister societies, community organizations, governments and the public by public lectures, committee memberships, consultancy and expert advice to others in the society
4. Help Sections in leadership training for the younger members (R10 will partially support)
5. Contesting for the newly introduced Outstanding LMAG and Outstanding LM (for the previous year's activities) awards

For more information on establishing a Life Members Affinity Group, kindly refer

to: https://www.ieee.org/societies_communities/geo_activities/life_members/groups.html

The petition form for LMAG can be found at: https://www.ieee.org/societies_communities/geo_activities/forms_petitions/forms_petitions_index.html.

The following are the Sections where LMAGs are immediately possible: Nagoya, Sendai, Fukuoka, Sapporo, Hiroshima, Shi-Etsui (Japan); Delhi, Bangalore, Kolkata, Hyderabad, Madras, Gujarat (India); Beijing, Nanjing, Shanghai, Hong Kong (China); Taipei, ACT, W. Australia, Queensland (Australia), New Zealand, Singapore, Thailand, Seoul and Indonesia. R10 LMC has already written to the respective Section Chairs. Members past the age 65 who are yet not LM, can also associate with LMAGs for activities. Historically, the LMAG support funds at MGA LMC have never been fully utilized. Can we this year, re-write the history with Life Members in the region turning a force to reckon with? Please inform your schemes on LMs early to the R10 LM Coordinator and they could be recommended for funding.

At the 2016 August R10 SYWL Congress where the Golden Jubilee celebrations of R10 will take place, there will be special sessions for LMs to meet.

Prof V K Damodaran (vkdamodaran@ieee.org Mob: +91-944 778 1515)
R10 Life Member Coordinator

IEEE R10 Industry Relations Committee

A Brief Update on Industry Relations Initiatives

IEEE R10 Industrial Relations Committee successfully organized this year's first webinar as part of its Webinar Series-2016, on "New Innovations in Cloud Computing for Big Data Applications" by Professor Rajkumar Buyya, Director, Cloud Computing and Distributed Systems (CLOUDS) Lab, The University of Melbourne, Australia. Other major IR events included workshop on "5G mobile in 2020" by Japan Council and Industry Track on TENSYP organized by Indonesia Section. The team proposed calls for industry relations coordinators across all the Sections of R10 and received a whopping response. Talks are underway with different organizations in India to start the entrepreneurship activities. Multiple organizations, incubators are being contacted in India to partner with IEEE. In response to a call for proposals to hold IR Track and/or workshop, more than 10 proposals have been received and will soon be scrutinized and finalized for funding. A call for nominations for the R10 IR Awards was issued in May.

Two webinars have been planned in coming months. In Pakistan, Industry Track is being initiated with a workshop and a professional's meet is being planned in the month of June. Malaysia Section is working to arrange a workshop. Japan Council is working to arrange several workshops and seminars in Japan, including a smart-tech event on August 4-5 at Doshisha University in Kansai Section.

IEEE Region 10 Industry Relations Committee launched its webpage: <http://www.ieeer10.org/activities/industry-relation.html>.

The page included information regarding IR Committee and its plans, Roadmap, Call for volunteers' link and details of awards. The committee is planning to enhance across Sections and cross regional engagement of industry professionals through active social media presence across all the platforms and an updated website with specific sections for specific domains such as IoT, Standards, Industry, Industry + Academia, Entrepreneurship etc.

Pamela Kumar

R10 Industry Relations Coordinator (2016)

IEEE WIE Global Summit 2016
Bangalore, India



IEEE WIE Global Summit

Embracing Engineering and Technology, Breaking Barriers

The IEEE WIE Global Summit 2016 will be hosted jointly by IEEE Region 10 and IEEE Bangalore Section at Lalit Ashok Hotel, Bangalore, India on 24th August 2016. The Summit will be a gathering of women in engineering and technology from across the globe who aim to enhance their leadership skills, learn new ideas and collaborate with technical professionals. The theme for the summit is “Embracing Engineering and Technology, Breaking Barriers” with focus on innovation, inspiration, leadership, empowerment and entrepreneurship. Janina Mazierska, IEEE Fellow and IEEE Region 10 Director 2007-2008 is the Chair of the Summit, with Celia Shahnaz, R10 WIE Coordinator as the Co-Chair and the Program Chair of the event.

The IEEE WIE Global Summit 2016 coincides with the R10 Students, Young Professionals, WIE and Life Members Congresses at Bangalore, and with the start the celebrations of 50th Anniversary of Region 10. The timing and co-location in Bangalore enables delegates to attend several events and listen to exceptional speakers sharing their experiences and thoughts on mentorship, leadership and entrepreneurship ideas.

IEEE R10 WIE has planned a one day event arranged into four tracks and panel discussions. The noted keynote speakers include Hideko S. Kunii, Director, Honda Motor Co. Ltd., Karen Bartleson, Past Senior Director of Corporate Programs and Initiatives, Synopsys, USA, 2016 IEEE President- Elect, Takako Hashimoto, Chair of IEEE WIE Committee, Manuela M. Veloso, IEEE Fellow and Professor at Carnegie Mellon University, USA and Janina Mazierska, IEEE Fellow and Region 10 Director (2007-2008).

The Summit is expected to create exceptional opportunities for women in mid and senior positions to enhance their leadership skills through networking, attending presentations, participating in workshops and finding mentors. For more detailed information about registration, speakers, and agenda, please visit:

Website: <http://wiesummit.ieeeer10.org>

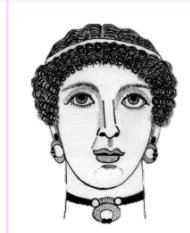
Facebook: <https://www.facebook.com/wiesummit/>

The IEEE WIE Global Summit can be followed by Twitter with a twitter handle @wiesummit, <https://twitter.com/wiesummit>. The organizers of the IEEE WIE Global Summit can be contacted by email: info@wiesummit.ieeeer10.org.

Celia Shahnaz, Ph.D.
Co-Chair & Program Chair, IEEE WIE Global Summit
Bangalore 2016

IEEE WIE GLOBAL SUMMIT 2016

Chair's Welcome



Women have been contributing to the development of science and technology throughout the ages. Although the very first technical name recorded was male – Imhotep, the architect of the first pyramid, the second – was female, En Hedu Anna, a chief astronomer, around 24th century BC. Theano of Crotona, who run the Pitagorian School for over 30 years, contributed significantly to progress of mathematics. Maria Agnesi wrote the first book on both differential and integral calculus.



Ada Lovelace developed the first algorithm for a mechanical computer, Maria Sklodowska Curie pioneered research on radioactivity. Hedy Lamarr, an actress, invented and patented spread spectrum communication techniques during WWII on which modern CDMA, Bluetooth and Wi-Fi wireless technologies are based. Mildred Spiewak Dresselhaus created basis for New Materials Age with contributions to graphite intercalation compounds, fullerenes, carbon nanotubes, and low-dimensional thermoelectrics.



And there were many, many others women without whom the Technology and Engineering would have never been the same!

Women now have access to education and career, unlike in the past. However women still form too small part of E&T workforce in most countries, and do not advance through the ranks as fast as their male colleagues. Mentoring, training in leadership skills, innovation and entrepreneurship, as well as flexible working conditions are needed to improve the situation.



If you are a women in a mid or senior position, then the IEEE Global Congress is for you. Networking opportunities with successful leaders of industry and academia, presentations, discussion forums or workshops will inspire you and give your career a lift.

See you in Bangalore on the 24th August 2016.

Janina Mazierska, IEEE Fellow (R10 Director 2007-08)
Chair, IEEE WIE GLOBAL SUMMIT 2016

R10 WIE SURVEY

IEEE R10 WIE is conducting a survey to determine

- (a) Demographic profile
- (b) Activity levels of WIE Affinity Groups
- (c) Expectations of WIE AGs from R10 and Global WIE and
- (d) Members' satisfaction.

Members from Section WIE AGs and SB WIE AGs are requested to participate in the survey following the link:

<http://goo.gl/forms/qEegzLdQJy>

The link has also been posted on R10 WIE Facebook page.

R10 WIE Committee

R10 WIE Mentor and Mentee Program

This year Region 10 has launched the R10 WIE Mentor and Mentee Program (WIEMMP) to provide support to Section and Student Branch WIE Affinity Groups (AGs). The program is conducted via face to face and online meetings.

Goals: The main goals for establishing WIEMMP are to (a) encourage and support formation of new Section and Student Branch WIE AGs and (b) identify dormant or less active AGs and rejuvenate them by active mentoring. WIEMMP also provides guidance to WIE AGs to enhance their activities by launching website and/or Facebook page and link them to R10 WIE website and Facebook page.

R10 WIE Coordinator Prof Celia Shahnaz has been involved in mentoring volunteers and following meetings have taken place so far in 2016:

1. R10 WIE and WIE Malaysia, 24 Jan 2016
2. R10 WIE and WIE Thailand, 7 Mar, 2016
3. R10 WIE and Stamford University of Bangladesh Student Branch, 19 Mar 2016
4. R10 WIE and all SBs of Bangladesh, 25 Mar 2016
5. R10 WIE and WIE Madras, 7 Apr 2016
6. R10 WIE and WIE Indonesia, 6 Mar 2016
7. R10 WIE and BUET Bangladesh SB, 29 May 2016
8. Meetings and communication with members from:
 - a. ANZ (Victorian, South Australia, Northern Australian Sections and New Zealand Central and New Zealand South Sections)
 - b. North Asia (Taiwan, South Korea, Beijing, Tokyo)
 - c. South East Asia (Vietnam, Philippines, Hong Kong)
 - d. South Asia (Karachi, Lahore, Islamabad, Hyderabad, Kerala, Kolkata, Uttar Pradesh)



Celia Shahnaz addressing the WIE volunteers at Bangkok, Thailand.

Major Outcomes: This close interaction and mentoring from R10 WIE has started to improve WIE AGs across R10, notably:

- WIE Malaysia has launched their website. Formation of first ever SB WIE and all Malaysia student network is in progress in collaboration with R10 WIE.
- Indonesia WIE was mentored to actively collaborate with R10 WIE to successfully organize TENSYP 2016 IEEE R10 WIE Track in Bali. A petition for opening SB WIE at local Udayana University at Bali is in the final step of approval.
- R10 WIE is also providing mentoring to guide the faculty members in Kasetsart University, Bangkok, to form the first ever SB WIE Affinity Group in Thailand.
- Stamford University of Bangladesh Student Branch is mentored to file petition to form SB WIE which has been approved now. The SB has launched its website and has successfully conducted a workshop on PCB design.
- BUET SB in Bangladesh has attracted 72 new female IEEE student members and their petition to form WIE AG is in progress. This will be the largest SB WIE AG in Bangladesh. R10 WIE along with WIE AG, IEEE Bangladesh Section guided them to organize the first ever Robo Tutor workshop as an encouraging event prior to approval.



Meeting with IEEE Madras Section WIE volunteers.

If your Section or Student Branch would like to have mentoring support, please visit R10 WIE website (www.wie.ieee10.org) and Facebook (<https://www.facebook.com/IEEE.R10.WIE>) for further information you may contact R10 WIE Coordinator Professor Celia Shahnaz at (celia.shahnaz@gmail.com).

Celia Shahnaz

R10 Women in Engineering Activities Coordinator



Meeting WIE volunteers of IEEE Bangladesh Section.

R10 Young Professionals

IEEE TENSYP 2016 Young Professionals Track

IEEE Region 10 Young Professionals in collaboration with IEEE SIGHT and IEEE Computer Society hosted its first ever IEEE Young Professionals track at an IEEE Conference during TENSYP 2016, on the 8th of May 2016 in Bali, Indonesia. It was attended by Young Professionals from several countries who came to the conference.

After the official inauguration of IEEE Indonesia Young Professionals Affinity Group, the proceedings of the event started with Mr. Nivas Ravichandran (R10 Young Professionals Coordinator) speaking about the challenges faced by the young professionals, their expectations in career development and how IEEE Young Professional Affinity Groups can play a major role in catering to these expectations.



Official Inauguration of the IEEE Indonesia Young Professionals Affinity Group

The next two sessions were lined up to enlighten the attendees on the emerging technological concept of Internet of Things (IoT). Giving a different perspective to the IoT concept, Dr Lukito Edi Nugroho spoke about the role of the IoT in the community development. He explained with examples how IoT can be used in rural villages. He highlighted the possible challenge of a clash with local culture and explained how to bring about a smooth transition for the people to align with the technology usage. Dr Satriyo gave an informed speech about IoT and its impact in the present context and also about the possible applications in the future. Prior to that he explained how technological progress has become a considerable driving force behind economic growth, citizen engagement and job creation. Then with a theoretical introduction to IoT, he described about

the key enabling technologies in IoT such as RFID and related technologies, Sensor technologies, Smart technologies (intelligent networks), and Nanotechnology etc. He explained how we could envision a 'Smart World' through the concept of IoT and how the 'intelligence' could be incorporated to everything around us.

The afternoon session was conducted by IEEE Special Interest Group on Humanitarian Technology (SIGHT). This was steered by Mr Subodha Charles who briefly presented about how half a million engineers can change the world. The guest speaker, Dr Linawati then spoke about the humanitarian issues faced by Indonesian communities.

Next, an Ideathon took place which involved asking the attendees to come up with unique solutions to problems across the world. Some inspiring solutions were presented at the end of this brainstorming session. This meetup was a rewarding opportunity for all the participants where a countless number of encouraging feedback from the participants vouch as the proof of success.

IEEE Region 10 Young Professionals Spreading Their Wings Further

Year 2016 has been a very dynamic year for the R10 Young Professionals so far. Among a wide variety of new initiatives, formation of following new Young Professionals Affinity Groups in several Sections has been a big achievement:

- IEEE Pune Section Young Professionals
- IEEE Indonesia Section Young Professionals
- IEEE Taipei Young Professionals
- IEEE Chengdu Young Professionals
- IEEE Uttar Pradesh Young Professionals

With these new additions, Region 10 Young Professionals now has 35 Young Professional Affinity Groups under its umbrella. Region 10 Young Professionals warmly welcome these vibrant set of new Young Professional Affinity Groups and look forward to actively collaborate in conducting various events with them.

Also we would like to invite all those who are willing to form a Young Professional Affinity Group in your Section if you do not have one yet. Write to us at nivasravichandran@ieee.org.

Nivas Ravichandran

R10 Young Professionals Coordinator



Guests, speakers and attendees of the IEEE TENSYP2016 Young Professionals Track

R10 Student Activities Committee

New Initiatives in 2016

Student Activities Awards

This year three new awards are introduced viz. IEEE R10 SAC Volunteer Award, IEEE R10 SAC Student Volunteer Award and IEEE R10 SAC Student Branch Award. This will help to improve healthy competition among the student members to try and improve themselves and overall Student Branch performance by organising more activities and enhancing the quality of the student membership. They shall greatly benefit by this healthy competition. This year, we have received incredible response from the people all around the region.

Revamping of the Student Branches in Sections

This drive is carried out by the Student Activities Team of IEEE with the Section representatives i.e. the Student Branch Coordinators appointed by IEEE R10 Student Activities Committee, the Section Student Activities Chairs and the Section Student Representatives in order to revamp the Student Branches. There are many Student Branches in Region 10 with no members or less than 5 members. The process includes guiding the representatives of the Sections to revamping those Student Branches which have been inactive for the past few years. The main purpose for this is to start activating the inactive Student Branches and to embody the culture of IEEE in them.

Student Activities Competitions

This year, there were two competitions held as part of IEEE R10 Student Activities Program viz. Website Competition and the Paper Competition. There was a tremendous response for both competitions with participation from across the Region. The Website competition is a great platform for the Student Branches to showcase their activities and creative skills through the website. The Paper competition provides a platform for the students to publish their papers through the medium of IEEE on the global level. It is a perfect opportunity for students (whose paper is not yet published) to take part in the competition.

Student Activities Projects



This year, the student activities team of Region 10 will be sponsoring two types of projects. The projects being the Student Congress in Council/Section and the Section SAC Chairs, Branch Counsellor's and Mentors meet. We have received proposals from all over the Region 10 and a maximum of 5 proposals per project shall be considered. The Student Congress proposal will focus on the interaction between students and people of great importance and with useful experience to help cultivate team work among the Student Branches. And the second project will help the Branch Counsellors, SAC Chairs and mentors to know each other, discuss the activities in their Section/Council/Student Branch and try to find the best possible ways in which the Student Branch or Section can be improved.

More details about the projects and other initiatives are available at: <http://sac.ieeer10.org/>

Rajesh Ingle

R10 Students Activities Coordinator (2015-2016)

R10 Individual Benefits and Services Committee

International Term Life Insurance for IEEE Members

IEEE members based in EMEA, Latin America and Caribbean, and Asia Pacific now have access to a global insurance marketplace. The Marketplace, powered by Clements Worldwide, allows members seeking insurance to easily gain knowledge of international insurance, review programs, and obtain quotes online.

IEEE R10 is pleased to announce that Clements Term Life Insurance Policy is available to the following country in R10:

American Samoa, East Timor, French Polynesia, Guam, Hong Kong SAR, Malaysia, New Caledonia, New Zealand, Northern Mariana Islands, Singapore, Tonga, Vanuatu, Wallis and Futuna

Program highlights include:

- Guaranteed admittance for active IEEE members
- Easy enrolment with no medical questions or physical exams required
- Program provides coverage limits ranging from US\$25,000 to US\$500,000
- Affordable, unified rate and monthly payment option
- Monthly premiums as low as US\$5.77

For more information, please visit www.ieee.org/insurance

Members have to click the Clements link on the Insurance web page, then login in order to arrive at the Clements Marketplace page. Please note affiliates members are not eligible.



Norliza Mohd Noor

R10 Individual Benefits & Services Coordinator (2015-2016)

R10 Membership Development Update

Kudos to the Hong Kong Section. Their new industry outreach partnership is the main driver for the 8.4% year-on-year increase in April for R10 total membership.

After eight months into the membership year, almost all the R10 Sections have surpassed the 67% point of their 2016 retention targets. Having said that, I must also mention that this year retention goal is a bit lax and I would like the Section Chairs and MD Officers to strive to increase their retention numbers. Remember, renewal is the main contribution factor for total membership. It is good to mention that Sendai, Tokyo and Nagoya Sections have done very good work in retaining their members. Keep up the good work!

In recruitment, quite a number of Sections have surpassed the two-third mark of their targets. This year, Hong Kong Section is phenomenal having already exceeded their 2016 goal by 10 times. Do remember that the membership cycle will end on 31 August. We have another 3 months to give a final push to move towards to the recruitment goals. Take every opportunity and occasion for recruitment talk about IEEE. Make use of IEEE events to bring people together and ask them to bring their friends along. The half year dues available from now will significantly lower the entry barriers for new members.

Michael Ong

R10 Membership Development Coordinator (2015-2016)

IEEE R10 Councils & Sections News and Highlights

IEEE Bombay Section

SENIOR MEMBER REVIEW PANEL MEETING AT MUMBAI

March 19, 2016 was a red letter day when the IEEE Bombay Section played host to the second Senior Member Review Panel Meeting of 2016 at Hotel Holiday Inn, Sahar International Airport, Mumbai, India. The meeting was led by Dr Jose Cruz LFIEEE, Chair IEEE Admissions & Advancement Committee and supported by Ms Fanny Su Behnoi, Director, IEEE Asia-Pacific Operations Singapore. It was the first of two Panel meetings in Region 10 and the very first ever in Mumbai.



Initially 18 members had volunteered, but the large expanse of the Section made travel a challenge. Others were quickly invited to join the ranks and the proceedings went to schedule. Fifteen IEEE Senior members from the Section were present at 8.30 AM for the detailed briefing by Dr Cruz on the ground rules for elevation to SM grade. Panel member Hitesh Mehta, past Chair of Bangalore and now Mumbai based, is a veteran of two earlier elevation meetings. Four members on the panel were from the ExCom of IEEE Bombay Section.

The reviewers had individually responded to an invitation from Piscataway, and many were meeting for the first time. Beginning with Dr PVS Rao, LFIEEE, 60 years in the computer domain, and one more LSM, Dr T S Rathore, there was a broad spectrum representing the big names from academia and industry. The depth of the panel was characteristic of IEEE Bombay Section which is celebrating 40 years in July this year.

The team worked individually and systematically went about reviewing the 318 applications from across the globe over three

rounds of scrutiny in round robin format with the final sign off from the Chair.

The paper based proceedings ended a little before lunch. Joe had everyone reconvene for the crucial post lunch session when marginally qualifying applications were scrutinized again.

Five lucky reviewers received IEEE SM pins from Dr Cruz. Earlier Bombay Section also presented each volunteer with a lapel pin commemorating the Section.

Later in the evening Dr Cruz, who is Immediate Past Chair of IEEE Life Members Committee, met with Dr Juzer Vasi, Chair LMAG Bombay, which also happens to be the first LMAG in Asia-Pacific.

Along with some of the key LMAG members was a special invitee, Dr S D Agashe of IIT Bombay who had been a student of Dr Cruz 32 years ago at Illinois!

Anthony Lobo
Chair IEEE Bombay Section
R10 Rep A&A Committee

IEEE Kerala Section

2016 Children's Science Congress in Kerala, India

IEEE Help in Weaving a Web for Mentoring School Students

Bringing IEEE members from Student Branches, Young Professionals, Women in Engineering, SIGHT and Societies under the Section, carefully knit by Life members and the Section leadership, and keeping them in continuous joint activities for nearly a year with research institution and a leading NGO, for mentoring school students was a model activity concluded in R10 from 5 – 7 April 2016 at the Cochin University of Science & Technology, Kerala, India.

A Ground for Interaction

The meeting ground was the enriching effort for the State Children's Science Congress conducted every year by the Kerala Sastra Sahitya Parishad (KSSP), a mammoth Science Writer's forum in existence for over half a century, as the year 2015 was declared by UN as the International Year of Light (IYL) and Light based Technologies. IEEE Photonics Society also enlisted as a member of its global organizing committee led by UNESCO. KSSP has direct reach to almost all of over 12,000 schools in the



Senior Member Review Panel meeting members at Mumbai



KSSP's one million plus circulated children's science magazines, it is estimated that 1.4 million children in Kerala could get involved in the IYL school level campaign by July 2015. The best among them were further coached to take up the contests at the Panchayat (local government) level; the best 5 – 8 were then taken to the next level – 129 Regions – and those emerged to have

State, through its own publications in the vernacular and also through its volunteers who relentlessly activate science clubs in schools. Technical support from the State Energy Management Centre and IEEE Kerala Section was sought by KSSP for the IYL campaign. The scheme of things was to take students at high school level (age 13-15) and the upper primary level (age 10-12) through different educational exercises, contests, and project activities to get happily interested in science and engineering studies when they grow.

In A Year of Activities, Over A Million Students

The activities from June 2015 included training resource persons who can lecture, write articles and books in local language (Malayalam) - in several 2-day workshops, interacting with students at various levels as mentors, publishing special issues of KSSP's science magazines that reached a majority of schools, designing and producing affordable experiment kits, organizing awareness classes and conducting contests to pick out the best (5 – 8 at every level) and guide them for the next level of projects and contests. At the rate of at least 100 students per school in 70% of schools, including several debates organized in the colleges and universities as well, plus a portion of the readers of

evinced considerable interest in doing projects were driven to select projects of their choice in the area of light and light based technologies at the District level. The State has 14 districts.

The Inspired Are Interested

Though 157 students were selected for the finale, some very small children could not travel from distant districts, and it was only 146 of them (38 boys and 29 girls of age 10-12 and 48 boys and 31 girls of age 13-15) who became the bubbling presence at the State level Children's Science Congress (CSC). The CSC could not be completed before the end of 2015, in view of the brimming enthusiasm of a large numbers of students.

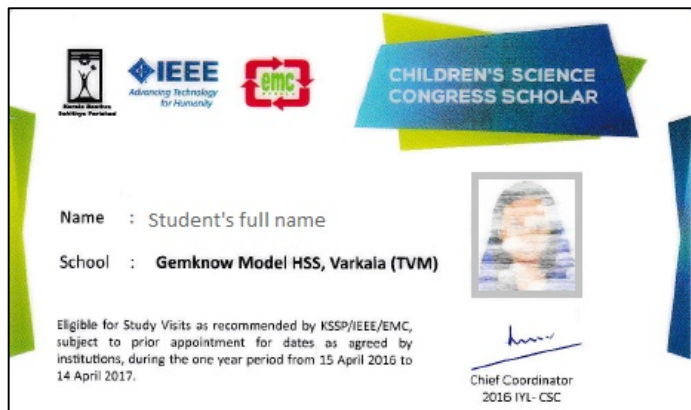
IEEE focused more on interaction with students involved in projects as mentors, in preparing two illustrated project manuals in local language entitled 'Light: Make and Learn' and 'In the Century of Light', in arranging study visit program called 'Open House' in nearby engineering colleges. Successful participants at CSC get a Photo ID Scholar Card, valid for one year, declaring eligibility for visits to any Library, R&D Centre, Educational Institute, Industry or other centre of their choice, with prior permission to pursue further knowledge gathering on S&T. Several district groups who chose to do projects at CSC were



also decorated with Awards in the name of Einstein, Newton, Edison, CV Raman and Kao.

Industry Academia joint efforts

Cochin University of Science & Technology (CUSAT), which had the International School of Photonics (ISP) – the only one for advanced light related studies in the State – and the Centre for Science in Society (C-SiS), where children play with science and learn, provided venue and support for the CSC. Kochi Sub-Section and the Life Members AG of Kerala assisted IEEE Kerala Section and the Cochin University to satiate the minds of the inquisitive children from many far corners of the State. As a part of industry interaction, SFO technologies under NeST group joined hands with researches at ISP in the University and the C-SiS in inspiring the children with awe awakening demonstration acts.



Children's Science Congress Scholar Cards

Prof V. K. Damodaran

IEEE Life Senior Member & Fellow IE (India)
IEEE R10 Life Members Coordinator (2016)

IEEE Tokyo Section

IEEE Milestones Dedication Ceremony and Commemorative Lectures

Dedication Ceremony

Dedication ceremony of IEEE Milestones for “Emergency Warning Code Signal Broadcasting System” and “High Definition Television System” was held on May 11, 2016 at Hyatt Regency Tokyo, Japan. In the ceremony, Dr Kazuo Hagimoto, Chair, IEEE Tokyo Section, gave an address, and Ms. Karen Bartleson, IEEE President-Elect, presented commemorative plaques to Mr. Katsuto Momii, President, NHK (Japan Broadcasting Corporation). Mr. Momii gave words of thanks on behalf of all contributors toward the Milestones. Professor Emeritus Mitsutoshi Hatori, University of Tokyo, offered his congratulations. In the final of the ceremony, Dr Toru Kuroda, Director of Science & Technology Research Laboratories, NHK, received certificates of appreciation from IEEE History Committee as the proposer of the Milestones.



Commemorative IEEE Milestone plaques



(Front Row, from Left): Dr Kazuo Hagimoto (Chair, IEEE Tokyo Section), Ms. Karen Bartleson (President-Elect, IEEE), Mr. Katsuto Momii (President, NHK), Prof. Mitsutoshi Hatori (Prof Emeritus, University of Tokyo)/ (Back Row, from L): Mr Hidenobu Harasaki (Secretary, IEEE Tokyo Section), Prof Isao Shirakawa (Chair, History Committee, IEEE Japan Council), Prof Tomonori Aoyama (Chair, IEEE Japan Council), Mr. Koki Morinaga (Executive Director& Chief of Engineering, NHK), Dr Toru Kuroda (Director, Science & Technology Research Laboratories, NHK)

Commemorative Lecture

After the IEEE Milestones dedication ceremony and celebratory party, the lecture session entitled, “IEEE Milestones Memorial Lectures” was held at Hyatt Regency Tokyo, Japan with about 110 participants. At the beginning, Prof. Isao Shirakawa, IEEE Japan Council History Committee Chair, gave an introductory talk on IEEE Milestones program. Second lecture entitled “Research and Development of Emergency Warning Code Signal Broadcasting System” was presented by Dr Kazuyoshi Shogen, Vice President, B-SAT (Broadcasting Satellite System Corporation). The last lecture entitled “Research and Development of High Definition Television System” was presented by Mr. Taiji Nishizawa, ex Director of Science & Technology Research Laboratories, NHK.

Naoyuki Nakagome

Chair, IEEE Tokyo Section Publications Committee

Do you know if there is something of historical importance in your Section that can be recognised as an IEEE Milestone?

For more information visit:

http://ethw.org/Milestones:IEEE_Milestones_Program

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Authors are also responsible to make sure that copyright protected material is not submitted for publication in this newsletter.

IEEE Madras Section

2016 IEEE Mini POCO Meet Madras

IEEE Madras Section, organized a one day 2016 IEEE Mini POCO (Panel of Conference Organizers) meet, on 28th February 2016 at Hotel Deccan Plaza, Chennai, Tamilnadu, India. The event was jointly sponsored by IEEE Madras section and IEEE Region 10.

The mini POCO provided an opportunity for over 100 attendees from different parts of India the opportunity to acquire knowledge, network and exchange ideas among them. The event attendees included IEEE members, non-members, and members of other professional organizations, faculties and researchers representing various engineering and technology institutions from across the country.

Dr R. Hariprakash, the Organizing Chair of 2016 IEEE Mini POCO, delivered the opening and welcome address. In his opening address Dr Hariprakash emphasised the need of such conference organizers meet and the importance of creating awareness about the quality and global standards to be followed for conferences. He expressed that, if international conferences are conducted according to the high standards then good quality research papers will be published; this can make our country to be ahead of our neighbouring countries on quality research contributions. He thanked all the participants for the interest shown and the speakers, members of IEEE Madras Section and R10 for their support for the success of the event.

Shri. K. Ramakrishna, IEEE R10 Director joined by other dignitaries formally inaugurated mini POCO by lighting the Kuthuvillaku. Later, Shri. K. Ramakrishna, in his inaugural address stressed the importance of IEEE and the future projects of IEEE. He also briefed the superiority of the IEEE over other professional organizations. He appreciated the organizers for the standards followed in organizing the mini POCO and wished if Madras Section is able to hold such quality and standard mini POCO, then India can host IEEE POCO in the years to come.



Dr .M. A. Atmanand, Chair IEEE Madras Section in his address emphasized on the importance of quality of the research papers and appreciated the efforts taken by the organizing committee. He also shared his views on the interest shown by the participants and the plan to have one more Mini POCO by Madras Section in months to come. Mr .H. R. Mohan, Vice Chair IEEE Madras Section in his felicitation address stated that conferences are the best platform for exchange of ideas and for networking. There is great expectations from our community to know the various avenues available for sponsorships etc. for organizing a

conference. Dr P. Sakthivel, Treasurer offered formal vote of thanks, which concluded the inaugural function of the mini POCO 2016.

At the technical sessions Dr T. Thyagarajan, Director, Center for Industry Institute collaboration, Anna University delivered a presentation on “Strategic Planning and Quality Aspects for a Good Conference”. He emphasized the needs for conference event planning, timeline management, implementation and execution, the importance of team work for a successful high quality conference.

After a tea break the second session was on “Challenges in Peer Review and Scholarly Publications” by Dr M. A. Atmanand, Scientist-G, National Institute of Ocean Technology, Chennai. He highlighted the Impact factor, H- Index, Citation Index (CI), Eigen Factor (EF) and the system to be developed for peer review process.

The next session on “Plagiarism screening with cross check – Innovative tools” was presented by Shri. T. S. Rangarajan, Principal Consultant, Tata Consultancy Services. He presented the insight view of tool for checking plagiarism and the after effects of detecting plagiarism in publications. He advised the researches to leverage the Intellectual Property Rights (IPR) team and staff of IEEE for assistance.



The attendees after the lunch break had a presentation on “How to write a good Journal Paper” by V. Jagadeesh Kumar, Professor, Indian Institute of Technology (IIT), Madras. Prof VJ Kumar briefed about the concepts and characters of good paper, literature survey, research survey, journal selection etc. He shared his experience on the expectations of a Technical Program Committees for selection/acceptance of journal papers.

Prof R. Hariprakash, Dean (E & T) Meenakshi Group of Institutions and organizing Chair of Mini POCO, presented on “IEEE Conferences Best Practices in Key Areas” in which he insisted the importance of best practices to be followed for a quality and standard conference in key areas, namely the conference formation, finance management; technical program committee, sponsorship and approval process, publications and marketing. The availability of webinar series, e-learning modules and the IEEE MCE leadership of excellence and its operations were also highlighted.

Mr Harish Mysore, Director IEEE India Operations presented on the “Formats, Funding procedures for IEEE Conferences”. He presented the steps involved in preparation of application and submission of proposals for funding from IEEE. He informed the attendees the initiatives taken by IEEE for development of materials by IEEE MCE, and requested one and all to utilize the services of his office for any assistance.

The 2016 IEEE mini POCO concluded with formal vote of thanks by the Dr R. Hariprakash, Organising Chair, mini POCO in the presence of Mr .H. R. Mohan, Vice Chair IEEE Madras Section, Dr P. Sakthivel, Treasurer, Shri. Sasi, the veteran of IEEE Madras Section, Mr. Harish Mysore, Director, IEEE India

Operations, Prof V. Jagadeesh Kumar. Dr R. Hariprakash expressed his sincere gratitude to one and all for their contributions for the success of the event. He also thanked the IEEE Madras Section and R10 office bearers & members.

The attendees represented by Prof Aaditya Lohana, Director of Universal Education, Mumbai conveyed thanks for the organizers for meticulously organizing this event, the speakers for the event and wished more such programs are conducted for the betterment of teaching community. There was unanimous opinion and desire among the participants to have many such mini POCOs and appreciation were lauded to the organizers for this initiative to organize this event.

Professor Dr R. Hariprakash
Organizing Chair, 2016 IEEE Mini POCO, Chennai, India

IEEE Bangladesh Section

2016 IEEE Mini POCO Bangladesh

On 14th May, 2016, IEEE Bangladesh Section organized the 2016 IEEE mini POCO Bangladesh (mini POCO BDS) at the Zurich Conference Hall in Hotel Swiss Garden, Dhaka, Bangladesh. The event had been sanctioned by the IEEE Meetings, Conferences and Events (MCE) and subsequently assigned the IEEE Conference Record #39721. Envisioning alongside POCO (Panel of Conference Organizers), the event targeted to provide a world class learning experience and discussion, from which participants could gather sufficient knowledge regarding the entire process of organizing a successful conference.

Initiating with a brief introduction from each delegate, the event was inaugurated with an opening speech from the Chair and Vice-Chair of IEEE Bangladesh Section. This was then followed by the first keynote session led by Dr Mohammad S. Alam, IEEE Fellow and Professor, Dept. of ECE, University of South Alabama (USA) focusing on the ethics and professional integrity required in research and scholarship activities. Furthermore, he talked about the different software and methods used to detect plagiarism and the corresponding actions that are to be taken, after doing so.



Keynote speaker Professor Dr Muhammad H. Rashid delivering his talk.

The keynote was followed by a series of technical sessions, led by esteemed speakers each of whom dissected the entire working principle of a conference and also elaborated upon the different committees, review processes, and the guidelines to follow and adopt while hosting a successful conference.

Next came a series of sessions, led by several distinguished speakers which included discussions focused on the organizing aspects to be considered for a conference – such as the financial and sponsorship management, registration procedure, venue selection, the travel grants and rebates distribution.

Following this, was the second keynote session led by Dr Muhammad H. Rashid, IEEE Fellow and Professor, Dept. of ECE, University of West Florida (UWF) sharing his experience with the delegates, shedding light on crucial topics such as monitoring, reviewing, and other non-technical issues.

The final session of the event were two interactive hands-on demonstrations where the delegates were shown how to open an IEEE Cross Check account, evaluate articles for plagiarism in real-time and also produce a corresponding report for the evaluations. The final portion of this session focused on how to develop a website for conferences and the different techniques that can be implemented to get it done efficiently.



Professor Shaikh Anwarul Fattah, Chair, IEEE Bangladesh Section addressing the participants.

Concluding the event, IEEE Bangladesh Section then presented the keynote speakers with tokens of appreciations and thanked the delegates for their active participation.

Mohamad Shihab Uddin
Secretary, IEEE Bangladesh Section

IEEE Malaysia Section

2016 Leadership Camp

The annual IEEE Malaysia Section Leadership Camp was held in Shah Alam, Selangor at the Grand Bluewave Hotel on 12 March 2016. The camp has been annually organized by the IEEE Malaysia Section since 2010 and it is designed to promote sharing of knowledge and experiences between Chapters and to create a good environment for soft-skills development among all Chapter representatives for enhancement of leadership skills. The Leadership Camp was attended by 57 representatives of Chapter and Affinity Groups of IEEE Malaysia Section to discuss and share ideas and best practices in the running of IEEE Chapters and other organisational units. Two representatives from the Malaysia Convention and Exhibition Bureau (MyCEB) were invited to address the concerns and available support for organizing conferences in Malaysia. The main objective of the Leadership Camp was to enhance leadership and interaction among Chapters of the IEEE Malaysia Section by providing a platform to meet and share information about their Chapters' plans and activities. Another aim was to expose the Chapters' Executive Committee members to their roles and responsibilities and opportunities. The camp was organized in briefing sessions in the morning, where the Section's Executive Committee gave talks on topics related to IEEE Organization and reporting. The topics include information on IEEE Malaysia vision, IEEE organizational structure, funding opportunities, IEEE reporting and financial reporting requirements. In the second round sessions were arranged into two tracks where Track 1 centered

on the Section management while Track 2 for financial management. In the third session, immediate past Chair, Norliza Mohd Noor, who is also the IEEE R10 Individual Benefits and Services Coordinator and MGA Geographic Unit Operations Support Committee – Technical Chapter Representative, gave a talk on IEEE Malaysia and R10 awards and recognitions program. Vice Chair, Mohammad Faizal Ahmad Fauzi, briefed participants on the conference management. The session ended with an engagement session with representatives from MyCEB. The leadership camp was coupled with the Chapter Chair Meeting in the afternoon in which the Chapter Chairs shared their plans and activities for the year; which promoted interactions among the Chapter Chairs in order to learn best practices from each other.



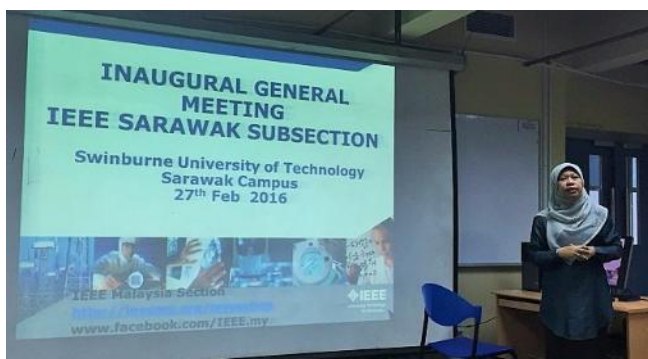
The leadership team of the IEEE Malaysia Section

Fawnizu Azmadi Hussin
Communication & Newsletter, Malaysia Section

IEEE Sarawak Subsection

Inaugural General Meeting

The idea of establishing the IEEE Sarawak Subsection was coined back in 2014 and efforts have been made since then. The official petition campaign, which was initiated by IEEE Senior Member Dr Dennis Wong Mou Ling at Swinburne University of Technology Sarawak Campus, started in Aug 2015. IEEE members of all grades from various higher education institutes and industry in the state of Sarawak actively participated in the petition. With support and help from IEEE Malaysia Section and IEEE Region 10, eventually the petition went through and on 11 Dec 2015, Dr Wong received a letter of formation stated that the effective date of IEEE Sarawak Subsection formation is 21 Nov 2015.



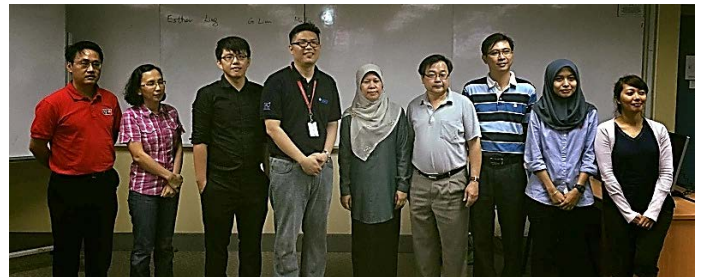
Dr Zuhaina Zakaria, Chair, IEEE Malaysia delivering the welcome address.

IEEE Sarawak Subsection is the first Subsection of the IEEE in Malaysia. It is an important milestone of the development of IEEE in Malaysia. With the collective effort of the members in

the state and the coordination of the interim Chair Dr Dennis Wong, the inaugural AGM was held on 27th Feb 2016 at Swinburne University of Technology Sarawak Campus. Dr Dennis Wong presided over the meeting. Dr Zuhaina Zakaria, Chair, IEEE Malaysia delivered the welcome message in the AGM. The AGM covered a series of important items which include the introduction of portfolio distribution, strategic goals for 2016 to 2020 and formation of Student Branches and Chapters. There were 26 members present at the first AGM. The participants consist of people from UNIMAS, Swinburne University, Curtin University and Sarawak Energy.

The first Sarawak Subsection Executive Committee listed below was elected during the AGM.

| <u>Name</u> | <u>Position</u> | <u>Affiliation</u> |
|-----------------------|-----------------|--------------------|
| Dennis Wong M. L. | Chair | Swinburne |
| Garenth Lim King Hann | Vice-chair | Curtin |
| Jacey-Lynn Minoi | Secretary | UNIMAS |
| David Bong Boon Liang | Treasurer | UNIMAS |
| Victor Wong M.H. | Member | Sarawak Energy |
| Pan Zheng | Member | Swinburne |
| Lau Bee Theng | Member | Swinburne |
| Shafrida Sahrani | Member | UNIMAS |



IEEE Sarawak Subsection Executive Committee members with Dr Zuhaina Zakaria.

Fawnizu Azmadi Hussin
Communication & Newsletter, Malaysia Section

New South Wales Section

IEEE Standards Forum in Australia

Meeting needs for reliable standards in cooperation with Industry and Local Entities

The IEEE Joint Chapter of Communications, Signal Processing & Ocean Engineering hosted the IEEE Standards Association and Standards Australia at a Standards Forum on the 16th, 17th and 18th of May, which was attended by participants of several current standards committees, interested IEEE members, industry and academia.

Mr. Srikanth Chandrasekaran (Sri), Director Standards & Technology, spoke at the Standards Forum on IEEE SA's strategy on Standards, cooperation between other standards bodies and the future of standards dealing with emerging technologies such as Smart Cities, Smart Grids etc.

Ms Jessica Wright from Standards Australia also spoke on the depth of their involvement in standards and their plans on cooperation with other standards bodies around the world.

The University of NSW hosted a talk by Mr Chandrasekaran titled "Driving Global Innovation through Standards and Consensus Building". Macquarie University also hosted Mr Chandrasekaran who spoke on "IEEE Standards Association (IEEE-SA) Why Standards Matter?". Both of these talks covered important topics such as developing standards within IEEE SA,

brief overview of some emerging IEEE Standards e.g. IoT, Smart grid and smart cities, 5G etc. IEEE program on “Standards University” was introduced with ideas on how students and faculty can get involved with IEEE SA. The lectures were coordinated by Dr Georgios Konstantinou (Vice Chair, IEEE NSW PES Chapter) from UNSW, Prof Karu Esselle IEEE Macquarie University Student Branch Counsellor and SB Chair Saad Ul Hasan.



Mr Srikanth Chandrasekaran with NSW Section Chair Prof Karu Esselle and others at Macquarie University.

Mr Chandrasekaran’s session with Industry representatives, “Standards Australia” and IEEE NSW leaders resulted in the setting up of a “steering committee” for standards, which was coordinated by Mr Ollencio D’Souza (Olly). The key topics covered by Mr Chandrasekaran’s presentations were “Consensus”, “How can one engage with IEEE-SA in standards development?”, “Importance of standards to both industry and other stakeholders” and “New and Emerging Standards” covering IEEE SA’s 30 year vision for the future. A “steering committee” meeting (which included Standards Australia) held after the presentations raised many important questions and the need for dialogue on Consensus, the need to educate the region more about the IEEE SA and the involvement of students, faculty, industry and government in the creation and maintenance of standards.

Ollencio D’Souza (Olly), NSW Section and Saad Ul Hasan, Chair Macquarie University Student Branch

Victorian Section

Networking Cocktail Evening and Conferences

On Wednesday 11th of May, the IEEE Victorian Section and Melbourne Convention Bureau (MCB) hosted a joint cocktail networking reception. The purpose of the event was to learn about the Section’s future direction, strategies regarding conferences and conference organisation. The IEEE Victorian

Section organises more than 150 meeting/events per year. In addition to these activities, the Victorian Section organises and sponsors several major conferences/exhibitions/symposia in any given year, as well as short courses and technical training. 2016 marks a new era for the IEEE Victorian Section, new faces, and new ideas. The Section Committee has begun the year with some deep thought and strategic planning. Consequently, Section has put into motion some exciting new initiatives that will increase our visibility, appeal, grow our brand, while providing unique and valuable products and services to Section’s entire membership.

The Victorian Section has recognised and acknowledged the importance that our industry members play and has taken action for organising an IEEE – Industry Leadership forum. About 40 CEOs, General Managers and Senior Executives are expected to discuss how the Section can best serve their needs but also how they can work together leveraging the industry membership to create new initiatives for members and the greater Victorian community.

Section has taken a leadership position and brought together Engineers Australia and the IET under one umbrella to organise the first ever joint Engineering & IT Career Expo to be held on the 21st of September this year in the State Library of Victoria. Over a 1000 attendees and more than 20 nationally recognised organisations are expected to exhibit. Furthermore, Victorian Section is developing a student internship and job training program that will ensure IEEE student members receive training and mentoring from experienced members in industry, making them job ready.

Conferences are an integral part in IEEE’s portfolios through which great thinkers of our time, meet to discuss ideas, disseminate and critique work and build global networks and collaborate to push the boundaries of technology. The Networking Cocktail Evening & Conferences event was a great success, and a useful way to launch closer collaborations between MCB, IEEE Victoria Section, and Melbourne Convention and Exhibition Centre/Club Melbourne Ambassador Program. As a follow up to this event, Victorian Section will work closely with MCB to implement a strategy on conference bidding and bring some of the biggest and best to Melbourne and to Victoria.

Eddie Custovic

Chair, IEEE Victorian Section, Australia



Guests at the Victorian Section Networking Cocktail Evening

IEEE DELHI SECTION

STEP 2016

As an engineer nears the day ending 4 years of his/her spectacular journey of college life, fears ponder his mind about the onset of a new journey about which many might be uncertain. This is where IEEE extends a helping hand in the form of STEP (Student Transition and Elevation Partnership) program.

IEEE STEP was developed to provide a dynamic program for facilitating the transition from a student member to young professional by introducing the opportunities and benefits of IEEE membership during the onset of a STEM career. IEEE STEP 2016 was organized by IEEE Delhi Section on 28th March, 2016 in conjunction with IEEE NIEC Student Branch at Northern India Engineering College (NIEC), Shastri Park, New Delhi.

The Executive Committee decided to host this event in a heuristic manner, by giving the graduates a fair experience of the start-up world with the help of some prominent speakers on emerging trends of technology and inviting engineering students from across Delhi. The forum was declared open by the Director of NIEC.

Amidst 150 exhilarated audiences, 40 IEEE Delhi Section final year members, the lamp lighting ceremony marked the onset of the event, and the guests were welcomed in the traditional Indian culture, followed by bouquet presentation and an inaugural address by the Director of the college, welcoming the dignitaries, and explaining the steady growth of the institution.

Dr Kate Jenkins Mercado, Senior Member of IEEE (Magnetics, CES) and Coordinator of Undergraduate Student Activities of Region 6 and Mr. Kartik Misra, Chairperson IEEE Delhi Young Professionals were the special guests for the event who shared their expert insights on the transition from a student to a Young Professional, and the benefits and opportunities that come with being a Young Professional.

Mr. Kartik Misra, Chair IEEE Delhi Young Professionals and Tech Lead, Customer Experience Management Operations, Airtel, gave an expansive lecture on the “Benefits of Being a long term IEEE Member”, since he has been a member for over ten years, and the importance of focusing on technological research.

Dr Kate Jenkins Mercado, Guest of Honour, gave a short presentation on “Hardware Start-ups”, and explained how with a little hard work and efficiency, all the efforts could be made extremely profitable. She explained how R10 and the Delhi Section were better than the R6 in terms of interests, but lagged behind when it came to supporting infrastructure. She also pointed out that the initiatives and start-up potential in India are incredibly exceptional, but hardware start-ups were lacking. Her advice included the different stages of developing a product. She was impressed by the IEEE NIEC “Makerspace” and the projects drawn up by the enthusiasts. “Smart Mirror” presented in the Maker space was one of the most appreciated project by her.

The second session of the day was opened by Dr Arti M. K., Counsellor IEEE-WIE-NIEC with a talk on “Hybrid Satellite Systems” which is being supported by the Government of India with an incentive grant of Rs.36 lakhs. She illustrated the basics of satellite systems and its implementation. This was followed by different talks by professionals as well as eminent speakers such as Mr. Hitesh Rohilla, Director, enCypher Technologies Pvt. Ltd, who presented a talk on “Not My Cup of Tea”. Being an entrepreneur he explained how start-ups fail, and the procedure of bouncing back from failure.

Mr. Shamik Ghosh, Business Editor, Telematics Pvt. Ltd, gave talk entitled “Exploring Career Options in Market Research/Technical Consultancy”. He explained the importance of Technical Consultancy in today’s market and its impact on a global level. Mr. Jaimin Upadhyay, Founder, Tech Labs India; addressed the gathering and shared his experience of developing a 3D Printer. He explained how to start an idea and chase it until you are satisfied.

IEEE NIEC Maker Space was the star attraction of the day, showcasing an ecosystem of technology. Crop Monitoring via Wireless Sensor Networks, Patient Monitoring System, Smart Mirror, Climbing Robot, IEEE-NIEC Android app and web-site amazed the audience, the most.

Members of IEEE Delhi Section and IEEE-NIEC spent some lively time with Dr Kate Mercado and other speakers, discussing various aspects of IEEE and association of Region 6 and Region 10. Before the departure of Dr Kate Jenkins Mercado, a memento was presented to her by the Director of NIEC.

One of the premier and notable happening of the event was that the session was live streamed which can be viewed from the following link:

<http://livestream.com/accounts/18468493/events/5076067/videos/17300362>



Dr Kate Jenkins Mercado with volunteers of IEEE NIEC.

Tushar Varshney
Secretary- IEEE NIEC

Uttar Pradesh Section

SCEAM 2016

The Department of CEA and Mathematics, GLA University, Mathura (Technically Sponsored by CSI & IEEE CS/SP Joint Chapter and IEEE Uttar Pradesh Section) conducted a two-day National Workshop on 4 – 5 March 2016 on “Soft Computing and its Engineering Applications using MATLAB” (SCEAM 2016) at IBM Conference Hall, GLA University, Mathura, India. The program aimed to expand knowledge of the academicians, postgraduate students and research scholars in the field of Neural Network, fuzzy logic and genetic algorithm and enable them to understand, explore, research and contribute to the domain.

The inaugural function was started by Mr. M. P. Singh, Associate Professor Agra University. Dignitaries on the stage were honoured with a memento. Prof A. S. Jalal delivered the keynote address. Chief Guest Prof D. S. Chauhan, Vice Chancellor GLA University presided over the function. In his presidential address, he highlighted the importance of Artificial Intelligence and pattern recognition in today’s world.

Prof A. S. Jalal Head of the Department, CEA welcoming the distinguished guests talked about relevance of soft computing research in engineering design, intelligence manufacturing,

pattern recognition, machine learning, image processing, data mining and control problems. The chief guest of the workshop Dr Manu Pratap Singh, Associate Professor at Agra University stressed upon the importance of soft computing and use of neural network in the engineering and management industry. Vote of thanks was given by Prof Dilip Kumar Sharma.

Dr Vinay kumar Deolia, Professor GLA University gave an insights about using MAT Lab for neural network. Dr Ashish Sharma, Professor GLA University gave a talk on Genetic Algorithms while Dr Pooja Pathak and Dr Vijay Kumar Dwivedi, also professors at GLA University gave talks on fuzzy logic and shared various ideas to use soft computing techniques in various fields of engineering.

Prof Anirudh Pradhan, Dean R&D, GLA University presided as the chief guest for valedictory ceremony. Prof Dilip Kumar Sharma and Dr Pooja Pathak were the conveners of the workshop.



Dr Dilip Kumar Sharma, Dept. of Computer Engineering & Applications, GLA University, India

IEEE R10 Women in Engineering News and Highlights

TENSYP 2016 IEEE R10 WIE TRACK

The TENSYP 2016 IEEE R10 WIE TRACK was organized on 11th May, 2016, at the Sanur Paradise Plaza Convention Centre, Bali, Indonesia. The Coordinator of the WIE Track was Celia Shahnaz, IEEE R10 WIE Coordinator and moderator of the WIE track was Takao Onoye, R10 Treasurer and Vice Chair, R10 Technical Activities. Celia Shahnaz through a video message addressed around 31 participants and encouraged them to embrace the vision and initiatives of IEEE R10 WIE to lead, engage and inspire others. Takao Onoye presented R10 WIE vision and activities in person, as part of a training for students and faculty advisor of upcoming new Student Branch WIE Affinity Groups at Udayana University, Bali, Indonesia. The WIE track provided a wide platform to discuss and exchange ideas and experiences among participants, which will definitely help the female students and engineers in streamlining the role of them in the development of the technical society around.

The understanding about the progress of modern research was reinforced through technical talks. Dr Riri Fitri Sari from University of Indonesia and Chair of IEEE Indonesia Section WIE AG gave a talk entitled “Fostering Global Sustainable Culture by using ICT for the GreenMetric World University Ranking Management”. The industrial talk “Appropriate technology for SMEs” was delivered by Ms. Agnes Iwanti, treasurer, IEEE Indonesia Section, co-founder, Multikom Global Mediatama Company. The professional and technological skill development was highlighted by Dr Linawati, former head of ICT and Director of GDLN of Udayana University, Bali in her

talk entitled “Blended Learning Approach of The Flipped Model for Short Course”. The “Education and Empowerment for women” was discussed by Dr Hira Meidia, Vice Rector of Universitas Multimedia Nusantara, Jakarta. The opportunities for WIE members to engage in humanitarian activities were highlighted through the talk “IEEE SIGHT: to leverage Technology for sustainable development” by Mr. Subodha Charles, IEEE SIGHT event Subcommittee member, IEEE Sri Lanka Section.

The professional, industrial, educational, leadership and Humanitarian Technology talks created an interesting scope of knowledge sharing for the female participants. It is expected to help them to empower themselves with appropriate guidelines about their career development in the male-dominated engineering profession. The WIE track also served the purpose of benefiting the WIE community in Indonesia by encouraging new women students, researchers and professionals in Indonesia to join IEEE and WIE. Satriyo Dharmanto, Chair, IEEE Indonesia Section and Ford Lumban Gaol, Chair, TENSYP 2016 provided a great support to make the WIE track a successful event.



**Celia Shahnaz, Ph.D.
R10 WIE Coordinator (2016)**

IEEE R10 SYWL Congress 2016

WIE Track

The WIE track of IEEE R10 SYWL Congress will be held at the Lalit Ashok Bangalore on 25 - 26th August 2016. The preliminary program includes:

- A training for enhancing engineering and technical knowledge by embracing WIE membership and activities in R10
- The WIE mentor and mentee Program for rejuvenating WIE activities in R10
- Role of WIE in Technical Activities focusing emerging trends in research
- A discussion on the best Practices for WIEs and building a WIE Global Net
- The opportunities of WIE members for Entrepreneurship and innovation
- Opportunities for involvement of WIE members in humanitarian technology activities
- Challenges and solutions for WIE members in industrial activities
- Experience Sharing by focusing on Plans of WIE new initiatives (WIENIPs)
- 50 years celebrations of R10 in Section WIE AGs and Student Branch WIE AGs

WIE Panel Discussion and interactive session will be organized with WIE AG Chairs and other WIE members in terms of

technical activities, IEEE humanitarian activities, professional activities and industrial activities.

The 2016 WIE AG Activities poster presentation will be conducted as a parallel session. It will be judged by a panel of judges and 3 best posters will be given awards.

International WIE Chair, Professor Takako Hashimoto expected to be present during the congress. Her keynote may address the opportunities in WIE and Global WIE initiatives.

Please join the WIE Track of IEEE R10 SYWL Congress 2016!

Celia Shahnaz, Ph.D.

Program Chair WIE Track, R10 SYWL Congress 2016

IEEE Sri Lanka Section

WIE TECH FORUM 2016

First ever female technology forum in Sri Lanka organized by IEEE WIE Sri Lanka Section -WIE TECH FORUM 2016 - was successfully held on 30th April, 2016 at Dialog Auditorium, Dialog Headquarters. Eighty five female undergraduates and recent graduates who are aspiring to become the next leaders in technology participated in the forum. The Tech Forum was enlightened with many of invited guests including Dr Sanjeeva Witharana, IEEE Sri Lanka Section Chair, Dr Sanath Jayawardana IEEE Sri Lanka Section Chair-Elect and Dr Maheshi Dissanayake IEEE Sri Lanka Section WIE AG Chair.

The WIE Tech Forum 2016 provided a common platform to the female technological community and the technological industry to network and share ideas. Delegates were provided career guidance as well as advices related to innovative technological solutions for the 21st century.

Tech Forum consisted of panel discussions, technical presentations and leadership and personality development sessions aimed to expand the leadership skills of female tech enthusiasts as well as enhance participants' personalities. Panellists of the first panel discussion - 'Climbing the leadership ladder and breaking the barriers' were Ms Vidumini Ranasinghe, Project Director at MillenniumIT, Ms Shehani Seneviratne, Chief Operating Officer, 99x Technology, Ms Rekha Weerasooriya, Head, Organizational Development, Group Human Resources at Dialog Axiata PLC and Ms Shanaaz Preena, Director, Women Go-Beyond/Women's Advocacy, MAS Holdings (Pvt.) Ltd. It was moderated by Dr Maheshi Dissanayake, IEEE Sri Lanka WIE AG Chair. In this panel discussion panellists shared their experiences as a women leader and the barriers they have experience in their life. The panel discussion brought out some guidance for female undergraduates about how to climb the leadership ladder and break barriers.

The second and third panel discussions were moderated by Ms Dilrukshi Gamage, Main Organizer of WIE Tech Forum 2016

and IEEE SL Section WIE Information Manager. Panellist of the second panel discussion entitled 'What does it take to become a leader?' were Ms Chandi Dharmaratne, Senior Director HR, Virtusa, Ms Kasturi Chellaraja, Managing Director, Hemas Transportation Sector, Hemas Holdings PLC, Ms Bani Chandrasena, Head, People Management and Development, MillenniumIT and Ms Oshana Dias, Vice President, Human Resources, Brandix i3. They all shared the ideas on biggest barriers for women to reach their goals and their experiences as a female boss. They also talked about the roles and qualities, qualifications, responsibilities they needed to compete with time. Panellists of the third panel discussion on the topic "Leading women as Entrepreneurs" were Ms Charini Suriyage, Design Manager, MAS Holdings (Pvt.) Ltd. and Founder and Design Director, 'Charini', Ms Lakmini Wijesundera, CEO, Asia Pacific, IronOne Technologies and Ms Linda Speldewinde, Founder & Managing Director, Academy of Design Colombo, Design for Sustainable Development Foundation, Sri Lanka Design Festival, Fashion Market.lk. The panel discussion was based on life experiences of panellists as an entrepreneur. And also they shared the tips of success in their lives and challenges they had to overcome in their executive and leadership roles.



In the mid of the forum there were technology presentations from Dialog which were conducted by Ms Sandra De Zoysa, Group Chief Customer Officer, Dialog Axiata PLC and Dr Danushka Meegahawatte, Head of Technology for Enterprise Solutions Dialog Axiata PLC. A leadership presentation from MillenniumIT was conducted by Ms Nishadi Malalgoda, Senior Consultant, MillenniumIT. There was also an interesting demonstration session which was conducted by British Cosmetics before the lunch.

IEEE WIE Tech Forum 2016 brought in leading female role models and professionals from a wide range of industries in the country to a single platform and participants were able to learn and gain experience about many new technological opportunities.

Ranga Rodrigo, Ph.D.

Editor, IEEE Sri Lanka Section



Participants of WIE Tech Forum 2016

IEEE R10 Young Professionals News and Highlights

IEEE Young Professionals Kerala Section

Student Transition and Elevation Partnership (STEP) 2016

The STEP program was conducted on 20th February 2016 at Model Engineering College, Kochi, for the graduating student members and budding professionals. The program was intended towards introducing the new opportunities and benefits of IEEE Professional membership during the onset of one's professional career and to motivate them to continue their volunteering aspirations in IEEE.

The event was inaugurated by Ms. Mini Ulanat (Chair, IEEE Kochi Subsection) followed by welcoming of gathering by Mr. Bibin Parukoor Thomas (Vice Chair, IEEE Kerala Young Professionals). Mr. Shahim Baker (Chair, IEEE Kerala Young Professionals) gave the Presidential address which was followed by felicitation; by Mrs. Vinitha George (IEEE Student Branch Counsellor).

A talk on 'Disruptive Technology' by Ms Mini Ulanat commenced after the inaugural function. It focused on the pros and cons of excessive usage of technology. It was rather alarming to hear how human lives have become highly dependent on smart gadgets. Next in line was a session on Introduction to IEEE Kerala Young Professionals by Mr Shahim, giving an insight into the past activities and the future plans of IEEE Kerala Young Professionals Affinity Group. While sharing his experience he made the delegates aware of the benefits of being an IEEE Young Professionals.

The delegates were enlightened by the session on 'Ascension of Personal Branding', by Mr. Bibin Thomas. The session focused on various sorts of personal branding and its requirement in today's world. Some important tips were given on how to stand out in a crowd and make yourself recognized in a positive way.

A Managerial workshop was conducted by Mr. Suncy Varghese, Executive Partner and Trainer, Elateminids. Apart from speaking about the various assessment parameters during job interviews and how to carry ourselves in a professional environment, the participants were given many group activities that imparted a spirit of teamwork and competitiveness among them.

The interactive workshop was followed by an Open Forum by a panel to know the perspective and address the concerns of the delegates. The panel comprised of five experienced Professionals of IEEE Kerala Section. The delegates actively participated in the forum and shared their ideas and suggestions on how they would like to contribute to the society as an IEEE Young Professional member. The ideas and suggestions were well taken with further review assured.



Participants and the volunteers of STEP

Shahim Baker
Chair, IEEE Young Professionals, Kerala

IEEE Young Professionals Thailand Section

R10 Young Professionals Meetup

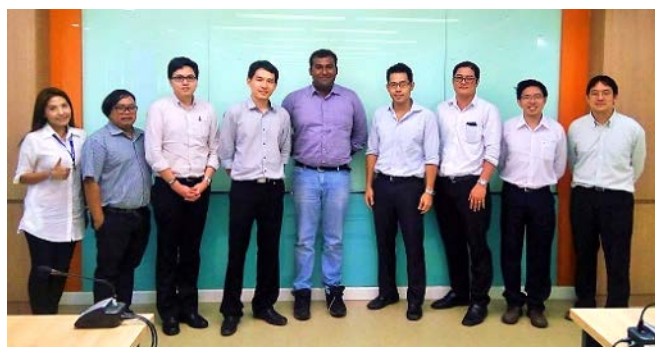
R10 Young Professional Meetup in Bangkok was held at Metropolitan Electricity Authority of Thailand Pleonchit Head Quarter on March 4th, 2016.

After the welcome speech by Dr Amorn Jiraseree-amornkun, the present Chair, to lead Thailand Young Professionals for the next 2 years, Dr Kriangkrai Sooksood from King Mongkut's Institute of Technology Ladkrabang, was elected as the incoming Chair.

Then there was a talk about "Revitalizing Thailand Electronic Design Industry through Undergrad Design Challenge Approach" by Karn Opasjumruskit, a member of the technical staff at Silicon Craft Technology Co. Ltd., a successful local integrated circuit design company, and Vice President of Thai Embedded Systems Association (TESA). Karn explained that, though Thailand has a big electronic manufacturing industry which is responsible for 23% of export goods and 11% of country's GDP, it is hard to find a large electronic design company in Thailand. Due to the lack of opportunities, a less number of graduates are joining the electronic design field, and it is harder to justify the requirement to set-up a design company or division. It has turned into a lock-up situation for Thailand as it can't add more value to the electrical and electronic products it produce. As a solution, Silicon Craft Technology Co. Ltd. in collaboration with a few IC design laboratories has successfully inspired and developed a group of more than 10 top IC-design students via a set of activities that use design challenge as a key.

Later on, Nivas Ravichandran, R10 Young Professionals Coordinator, presented some useful information about IEEE R10 Young Professionals activities, people and supports. Several fruitful discussions happened during the presentation. The main topic was about the benefits of IEEE membership and the improvements that Thai members expect the most from IEEE membership.

Final challenging topic was about the lack of value been put up by the Thai Government and industries towards IEEE, which is not the case in countries like the USA or India. This has created limitations in adequate support and also is the reason for the small number of IEEE members in Thailand. The mission of Young Professionals in Thailand would be to expand the network of Young Professional members working closely with productive local Society Chapters to conduct more interesting activities. This will help to highlight the importance of IEEE Thailand Section and will bring the attention from young electrical engineers and eventually the government and industries.



Speakers and participants of the meeting in Bangkok

Amorn Jiraseree-amornkun
Chair, IEEE Young Professionals, IEEE Thailand Section

IEEE Young Professionals Lahore Section

IEEE Young Professional Breakout and Training Session

IEEE Young Professionals Affinity Group of Lahore Section organized a one-day event on 27th February, 2016 at FAST-National University, Lahore Campus for members interested to volunteer for IEEE. The session aimed at providing comprehensive training on conduction of programs/projects under IEEE in Lahore Section along with collection of nominations for the new tenure of the Young Professionals Lahore projects from active and motivated members.

The session commenced with recitation from the Holy Quran after which an introductory lecture was delivered by Dr Syed Amjad Hussain Shah, MD Chair of IEEE Lahore Section on the activities of the Section and the spirit of volunteerism. This was followed by a motivational talk on ethics and code of conduct for working in IEEE in general and Young Professional affinity group in particular by Dr Khaver Zia, Treasurer IEEE Lahore Section. Mr. Usman Muhammad Ali, Chair IEEE YP Lahore briefed the attendees about the past activities and achievements of IEEE YP Lahore Section along with a discussion of the future opportunities/programs/projects under it. Next in line was a comprehensive session on "Opportunities and Approach in IEEE" by Mr. Usman Munawar Ali, SAC Chair, Lahore Section. He elaborated on how to effectively utilize this forum for community development and urged the attendees to come with true spirit of serving humanity through technology.

Later, Mr. Amir Zahoor, General Secretary, IEEE Lahore Section presented his views on the professional way of communicating and coordinating with IEEE organizational units and about the reporting ethics.

At the end of this, all the attendees were served with lunch and tea during the lunch and prayer break.

After the lunch break, Mr. Ijlal Haider, Education Activities Chair, Lahore Section gave a session on "Development and Execution of Programs and Projects", which was followed by filling of a project model canvas by the participants against their interested areas. Every participant filled the model with different parameters of feasibility for successful execution of program.

At the end of this inspirational session, a token of gratitude was presented to all the participants, presenters and organizers along with certificate of participation to everyone.



Group photo of guests and participants

Ijlal Haider
Membership Development Lead, IEEE Young Professionals,
Lahore

IEEE Young Professionals Singapore Section

Wireless Devices – Recent Trends and Developments

The deployment of wireless devices has become a very common practice in many of the technological fields in today's context. User friendliness and mobility are key factors that are contributing for the increasing usage of wireless devices in various domains ranging from communication, wearable health technology, agriculture and other industrial applications.

In this regard, the IEEE Young Professional Chapter of Singapore Section successfully conducted its first event for the year 2016 – A technical talk on "Wireless devices – recent trends and developments" delivered by Prof Howard Luong from Hong Kong University of Science and Technology (HKUST) on 6th January 2016 at Nanyang Technological University, Singapore. Prof Luong is a distinguished IEEE Fellow and also a MediaTek endowed Visiting Professor at Nanyang Technological University (NTU), Singapore. He currently serves as an editor in the IEEE Virtual Journal on RFIC and also a technical program committee member in various international conferences.



Prof. Howard Luong delivering the talk

The target group for the event was masters and post graduate students, researchers and engineers from various domains of Electrical and Electronic Engineering.

The objective behind conducting this talk was to give an insight to the audience about the recent trends and developments of upcoming wireless devices used in mobile communication, Internet of Things (IoT) and bio-medical electronics, from the industrial point of view. The talk highlighted few recent innovations in the areas of IoT, communication and bio-medical electronics that were done in collaboration with HKUST, NTU, MediaTek and A*STAR, Singapore. The audience was encouraged to engage in inter-disciplinary research which is quite essential in the future and also a requirement of semiconductor industries. The talk also focused on the industrial – academic collaborative projects which motivated the students and graduates to pursue their PhD research exploiting multiple disciplines.

Abhaikumar Sakthi & Ramaswami Palaniappan Arjun
Young Professionals, IEEE Singapore Section

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IEEE Young Professionals Malaysia Section Entrepreneurship Workshop

IEEE Young Professionals of Malaysia Section conducted an Entrepreneurship Workshop in collaboration with IEEE Region 10 Entrepreneurship Adhoc Committee, IEEE Region 10 Young Professionals, and MAD.TU, on 17th April, 2016 at Taylor's University (MAD stands for Make a Difference). The workshop aimed to equip participants with entrepreneurship skills, provide exposure to IEEE's global presence and initiatives of university student bodies in Kuala Lumpur. The event gathered about 50 participants from various disciplines.

The event began with an introduction to MAD.TU by Mr Chen Zi Juin, President (MAD.TU). This was followed by an introduction to IEEE by Dr Rahim, IEEE Malaysia Section representative and an introduction to IEEE Entrepreneurship Initiative by Mr Nivas Ravichandran, IEEE Region 10 Young Professionals Coordinator. Mr Ganesh Muren, CEO, Saora Industries then shared his experience on building Saora Industries. He showcased how he applied engineering and technological knowledge into developing a water filtration system powered by solar power. Mr Faez Fadhilillah, CEO, Tripfeez and a Forbes Asia top 30 under 30 recipient, provided a very informative session on the principles of viral marketing. Next in queue was a dynamic session on pitching and idea generation delivered by Mr Oko Daavasuren (APAC Director, Techstars) which was followed by a fun event wherein, the participants were requested to shout out verbs, adjectives and nouns, after which formed groups by pointing across to strangers and separating into teams of 5. Each team would then choose one word from each category to develop a business idea and pitch within 5 minutes.

After this, in a session with Mr. Max Shangkar Chandra (CEO, Max Capital Management) the participants learned about 11 things investors look for in a potential investment. This was followed by a pitching activity, whereby 3 participants were chosen, who have submitted their entrepreneurial ideas and were asked to deliver their elevator pitches to Mr. Max Shangkar. At the end, a short talk was delivered by Simon Yeoh, who concluded the workshop by thanking the participants for their presence and elaborated more on the opportunities within IEEE. After this, he invited feedback and shared it on the stage for further events, which was followed by a lunch and networking session.

The participants were highly motivated by the end of the day and it was an avenue for them to lay a foundation to an entrepreneurial career.



The Entrepreneurship Workshop in progress

Simon Yeoh
IEEE Young Professionals, Malaysia

IEEE Young Professionals Queensland Section Seminars for Young Professionals

The Young Professionals Queensland Section started this year with a seminar on 30 March 2016 called "Leadership for Engineers" by Phoebe Tee, a project manager at Queensland Government Public Safety Business Agency. Her talk covered how engineers become great leaders in the industry, with a great focus on "leading by example". She described the key traits of successful leaders as being engaged and involved, valuing people, being consistent with integrity, and thinking positive. She later on spoke of the challenges she faced while transitioning from a design engineer to a manager, as well as being a female leader in a male dominated industry. Following the Q&A, the event was concluded with a networking session.

The second seminar "Big Data" was presented by Professor Xue Li from University of Queensland 27 April 2016. He is honoured as one of the most powerful people in Australia on Big Data by the Financial Review 2015. He started his talk with his personal experience on his journey towards Big Data and explained how the information which is extracted from a large amount of data can be utilized advantageously. As an example, he demonstrated his work on extracting information from social media and utilizing it on enhancing the public transport time table at UQ. Finally, he explained how machine learning can be used to improve life style in the era of tablets and computers. After Q&A the seminar was concluded with a networking session.



Professor Xue Li presenting his talk on Big Data

Lastly, we are excited to announce the dates of the Startup Bootcamp to be on 10 - 11 of September in Brisbane. People who would like to kick off their start-up, as well as those who just want to know more, are very welcomed. Firstly, the event will walk attendees through different topics related to starting a business from legal to business, finance and marketing. Those who would like to kick off their idea, can find their perfect team in the afternoon networking session. Second day, teams will learn how to pitch their idea to potential sponsors and work throughout the day on their marketing strategies and presentation with help of mentors. Finally, teams will pitch their ideas to judges with opportunity to win a prize.

Connect with us on Facebook: www.facebook.com/IEEEYPQ

We look forward to see you in our events.

Alexandra Posoldova
Chair, IEEE YP Queensland Section



IEEE R10 Student Branches News and Highlights

IEEE CUST SB, Islamabad, Pakistan

IEEE PSCSC 2016

The 2016 IEEE Capital University of Science & Technology Student Branch (IEEE CUST SB) organised the second episode of IEEE Pakistan Student Computer Society Congress at its campus in Islamabad, Pakistan. It was a two day event held on 29th and 30th April 2016. The congress was chaired by Mr. Moiz Chaudhry, Chair of IEEE CUST SB. The Congress would not possible without the great efforts of IEEE Computer society, IEEE Islamabad Section and IEEE Islamabad Section Young Professionals.

The theme “Cyber Secure Pakistan” for IEEE PSCSC 2016 was chosen for its relevance to the young generation who makes the majority of cyber users in developing countries of Asia and are quite often unaware of the correct use of the Internet. This lack of awareness sometimes results in worst experiences such as loss of data and breach of privacy. This motivation behind choosing the theme earned success for the IEEE PSCSC 2016 and about 240 students belonging to several universities of Lahore, Karachi and Islamabad attended the event. The congress proceedings ranged from competitions to technical seminars, hands on workshops, panel discussion and from cultural night to a splendid networking dinner.

Goals set for IEEE PSCSC 2016 were to activate Computer Society in Islamabad Section, establishing academia linkage with professionals, efficient networking, to increase memberships, to increase member engagement, to promote cooperation and exchange of technical information among members. In short, inspire, enable, empower and engage students in making a better and safe tomorrow was the driving fuel which governed the event. Information Areas covered under this national event were Cyber Security Awareness, Information Security, Cloud Computing, Security Digital Forensics, Ethical Hacking and Cyber Security in Pakistan.

The Congress organized by the CUST Student Branch was versatile in nature as it was a well-balanced combination of industry oriented, information dripping and technicality overflowing seminars with a fun packed engrossing Culture Night & Gala Dinner. The speakers who honoured IEEE CUST Student Branch with their presence were highly learned people in their fields. Each speaker was a high achiever and an

institution in himself from whom the students benefited in many ways. The honourable guests and presenters included:

Mr. Wahaj Siraj (CEO, NayaTel & Member BOG of CUST)
Mr. Babar Zahoor (Founder Open Source Foundation)
Mr. Kamran Saifullah (Ethical Hacker, Bounty Hunter Security Researcher at C-Atrax)
Mr. Muhammad Yaseen (Chairman PTA)
Mr. Mansab Chaudhary (CEO & Founder, C-Atrax)
Mr. Mustafa Qasim (IT Expert, Security & Strategic Consultant at Ebryx (Pvt). Ltd)
Ms. Asma Sajid (Lecturer at GCU, Faisalabad)
Mr. Khurram Javed (Assistant Director at RISE, Assistant Professor RIPAH Islamabad)
Dr Naveed Ikram (IEEE CS Chair Riphah)
Mr. Tahir Chaudhary (President & CEO, Pakistan Institute of Entrepreneurs)
Dr Amir Iqbal Bhatti (IEEE CSS JS Chair, Founder CASPR Research Group)
Dr Naveed Bin Rais (Assoc. Professor at CUST Islamabad)
Mr. Ameen Sharif (CTO at ITnIS Consulting)
Mr. Parsanth Mohan (R10 RSR IEEE CS YP Software Engineer at Google)
Mr. Sakib Shabbir (Lecturer at CUST Islamabad)

As planned the IEEE PSCSC 2016 was successful to enthral the students who were looking for knowledge, entertainment and a chance to socialize at the same time. The seminars delivered by the distinguished speakers were full of technical knowledge giving a profound insights into the technical trends prevailing across the globe.

Muhammad Ahsan Farooqui

Chair, Student Activities Committee, IEEE Islamabad Section

IEEE HIT Student Branch, Harbin China

2016 IEEE China Student Congress

The 2016 IEEE China Student Congress (CSC2016) was held at South University of Science and Technology of China (SUSC), in Shenzhen, China on April 9th, 2016. The IEEE CSC works as a communication platform for colleges and universities. Student representatives come to join the congress and share their scientific research experience every year. As for the CSC2016, it was the first time to be held in Shenzhen attended by nearly 90 student representatives who come from several universities. The plenary meeting was held on the afternoon of April 9th, also



Delegates of the IEEE Pakistan Student Computer Society Congress 2016



Delegates of 2016 IEEE China Student Congress with Dr Howard Michael, IEEE Past President.

attended by IEEE Past President Howard Michael along with officers Simay Akar (responsible for WIE and other AGs), Lan Wang and Jing Li (Information Manager) from IEEE China Office. As the members of the IEEE Student Branch of IEEE Harbin Section, Mr Zhi-Hang Liu and Ms Zhuo-Chao Wang from the Harbin Institute of Technology participated in the congress. The conference effectively promoted the interaction between IEEE Student Branches of different institutions (HIT, THU, PKU, HKU), and it laid a solid foundation for further communications and cooperation.

Wu qun, Vice Chair, IEEE Harbin Section, China

IEEE MANIT Student Branch, Bhopal (M.P.) INDIA

SCEECS'16

The third iteration of the IEEE International Students' Conference on Electrical, Electronics and Computer Science was conducted by Maulana Azad National Institute of Technology (MANIT) IEEE Student Branch on 5 – 6 March 2016 in Bhopal. The tracks of the conference encompassed research areas of electrical, electronics and computer science. This year a total of 693 papers were submitted, of which 100 papers were shortlisted by an expert panel. These included 7 International papers. 73 papers were presented in 6 technical sessions while the remaining 37 were presented in two poster sessions. The multidisciplinary conference also featured a series of keynote lectures by eminent personalities.

Scientists study the world as it is; engineers create the world that has never been. Dr H.C Verma's lecture marked the beginning of SCEECS 2016. He spoke about the "challenges of mass scale science education." And discussed how the component of thinking has been demolished from the education system and how education and reality have become mutually exclusive. Innovation must be the keyword he said. Dr A.S Pillai talked about the recent developments in Aerospace technologies. He spoke about the birth of rocket science changing dimensions of war scenario and the evolution of launch vehicles and satellites in India.

Dr Richard Stallman explained to the students what FSF is all about. Proprietary software is the enemy of the spirit of education and all educational activities must use free software and also share free copies of the same, he said.



Dr Richard Stallman

Dr John C. Mather interacted with the attendees via Skype. He shared amazing facts about how the universe started with a Big bang and the theory of the expanding universe. He also shared his experience about the COBE satellite project

which was completed in a period of 15 years to validate the Big Bang theory.

Mr. Sachin Gupta spoke of his journey of building a tech-recruitment company from scratch and discussed the importance of bracing failures and living through them.

Mr. M.S Pannirselvam talked about the objectives of the nation's prestigious interplanetary Mars Mission and the challenges encountered in its execution. He was also a part of the valedictory function of the conference. The conference also included a workshop on the "Internet of Things" which received an overwhelming response from the attendees. The two day conference was a grand success and concluded with gusto.



SCEECS 16 Organizing volunteers of IEEE Student Branch of MANIT with Branch Counsellor Dr Shailendra Jain.

Prachi Jain

Chair, IEEE MANIT SB, Bhopal, M.P., INDIA

IEEE RUET Student Branch, Bangladesh

Robo-Droid Championship - 2016

Combining the excitement of sport with the knowledge of science and technology a contest entitled “Robo-Droid Championship - 2016” was organized by the IEEE RUET Student Branch on 5 – 6 May 2016, at the Rajshahi University of Engineering and Technology (RUET).



The contest was designed to develop mobile application development and robotics skill of students. 101 teams from various universities across Bangladesh participated in the contest in three different categories, namely (1) line follower robot competition (2) Maze solver robot competition and (3) mobile app contest. Champion of line follower robot competition was ‘Back Benchers’ from RUET. In the maze solver robot competition the champion is ‘SUST Parina’ from Shajalal University of Science & Technology (SUST) and in the mobile app contest ‘Scorpion’ from RUET. The total prize money was 135K BDT.

There were three technical seminars given by: (1) Mohamad. Anwarul Abedin, Professor, Dept. of EEE, Dhaka University of Engineering & Technology, (2) Muhammad Abdul Goffar Khan, Professor, Dept. of EEE, RUET and (3) Abdullah Ash-Saki, Membership Development Coordinator, IEEE Bangladesh Section.



Prize distribution ceremony.

The Chief Guest, Vice Chancellor of RUET, said that the importance of robotics is increasing day by day and IEEE RUET Student Branch is providing a great platform in the field of engineering and technology. He hoped that such events will increase the participation of students in robotic research and study in Bangladesh.

The prizes were distributed among the winners by the guests. Prof Dr Abdul Goffar Khan, Counsellor of IEEE RUET Student Branch, Prof Dr Md. Rafiqul Islam Sheikh, Dean, Faculty of ECE was also present at the closing ceremony.

Milton Kumar Kundu

Chair, IEEE RUET Student Branch



Prize winners, participants and volunteers with the guests.

IEEE SB SBA College of Engineering and Technology National Conference “RDEECE-2016”

BSA College of Engineering and Technology in association with IEEE Student Branch organized two days National Conference on “Recent Developments in Electrical, Electronics and Communication Engineering” (RDEECE-2016) on April 9-10, 2016. Conference was inaugurated by Chief Guest Mr. G. P. Tripathi (Senior General Manager, Telecom, Mathura), Mr Pradeep Ji Agrawal (Chair of the institution), Mr Mattomal ji Agrawal (Vice Chair), Dr Shyam S. Agrawal (Director) and other members of governing board by lighting the lamp in front of Goddess Saraswati followed by an inaugural speech of Chief guest. Inaugural session concluded with preceding release of “RDEECE-2016” by the dignitaries.

On first day the keynote lectures were delivered by Professor S.N. Singh, IIT Kanpur on Smart Grid and by Professor Chaturi Singh, IIT Kanpur on Virtual Instrumentation. There were two technical sessions in which participants presented their papers. On the second day the keynote lectures were delivered by Professor J. Ramkumar (IIT Kanpur) on the Solar Energy and by Professor Ekram Khan (AMU, Aligarh) on Digital Image Processing. Two technical session were held for research work presentations.

RDEECE-2016 Convener Professor .Aseem Chandel conducted the valedictory session and vote of thanks. Professor Chandel concluded that the overall conference was informative for the all participants who enjoyed the learning, sharing and global update of recent developments in Electrical, Electronics and Communication Engineering. He appreciated the Core Team and volunteers for their great efforts in making the RDEECE-2016 a grand success.



Guests with the Conference Proceedings

Aseem Chandel, Ph.D. SMIEEE
Student Activity Convener, IEEE UP Section

IEEE PIEAS Student Branch, Islamabad, Pakistan IEEE ETHICS COMPETITION

The IEEE Student Ethics Competition, sponsored by the “IEEE Ethics and Member Conduct Committee” is developed for use at IEEE Regional student events to encourage the study and awareness of professional ethics by IEEE student members. The contest includes a presentation and defence of a case analysis by teams of students.

This year, in Islamabad Section, IEEE Ethics Competition was hosted by IEEE Student Branch at Pakistan Institute of Engineering and Applied Sciences (PIEAS) as one of the module of PIEAS National Olympiad (PiON’16) on April 23rd, 2016. M. Shangol Haider and Haseeb-ul-Hassan along with their team members successfully hosted the competition.

The prerequisites for participation were student membership of IEEE and current standing as an under-graduate student in any

engineering university. The participants were allowed to form teams of three maximums. The main purpose of competition was to test the knowledge of the up-and-coming technical professionals regarding professional ethics. The exercise required an understanding of IEEE Code of Ethics and related bylaws, an effective problem comprehension and solving skills, keen attention to detail and good speaking and presentation skills. No doubt all of these are desirable skills when found in any employee. The competition was basically a chance for the participants to test their professional skills in a setting where the judges made it further challenging, thereby nurturing talent.

Nine teams from different Student Branches participated in the competition. Um-e-Salma and Anam Baloch from IEEE NUST-SEECS Student Branch won the competition while Amna Javed and M. Mujtaba Anwar from IEEE Bahria Student Branch were runners up.



Participants of Ethics Competition.

PiON’16

The PIEAS National Olympiad (PiON) is one of the largest events on the PIEAS calendar. It was held from 22 - 24 of April, 2016. The Olympiad was a collaborated effort from all societies at PIEAS headed by IEEE-PIEAS Student Branch and was attended by more than 500 participants from about 35 institutes all across Pakistan, cementing the event as the most important recreation place for them.

PIEAS prepared a much diversified and interactive welcome for the participants. It was both an honour and a privilege to see Noreena Shams, the aspiring triathlete, being a part of the opening ceremony. This gave the event a good start.

Spanning over three days; comprising of a series of exciting and intoxicating events along with a carnival, PiON’16 set the benchmark for the future events. The events like Hi-Q, Code Frenzy, Logic Crushers, Swift Wiring Clash, Leibniz of Pakistan, Robot, Glider Plane Competition and 3D Modelling Competition were designed to test the capabilities of the mind and to unleash intellectual potential of the participants. This was followed by Mock Trials, designed as an effective learning tool for participants and to let them understand the legal process. The participants were also given a chance to showcase their artistic skills.

For participants, Scavenger Hunt provided a wealth of opportunities for active fun. The fun got doubled with a magical night of art, performances and talent show. A number of food, gypsy and games stalls were set up in the Football Ground.

Closing ceremony was held on Sunday evening in which shields and certificates were distributed among the winners, runner ups and all participants. All in all, the event was fun for both the organizers and the participants because it allowed everyone to interact amongst each other and have fun at the same time.

Muhammad Ahsan Farooqui
Student Activities Chair, IEEE Islamabad Section

Upcoming IEEE Conferences in Region 10

2017 IEEE International Conference on Technological Innovations in Communication, Control and Automation (TICCA), 05 - 07 Apr 2017

Location: CHENNAI, India

Abstract submission deadline: 31 Oct 2016

Full Paper Submission deadline: 31 Oct 2016

Final submission deadline: 05 Jan 2017

Notification of acceptance date: 31 Dec 2016

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=38609

2017 IEEE 2nd Advanced Information Technology, Electronic and Automation Control Conference (IAEAC), 25 - 26 Mar 2017

Location: Chongqing, China

Abstract submission deadline: 15 Dec 2016

Full Paper Submission deadline: 15 Feb 2017

Final submission deadline: 15 Feb 2017

Notification of acceptance date: 10 Mar 2017

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=39409

2017 IEEE 13th International Colloquium on Signal Processing & Its Applications (CSPA), 10 - 12 Mar 2017

Location: Penang, Malaysia

Full Paper Submission deadline: 25 Nov 2016

Final submission deadline: 03 Feb 2017

Notification of acceptance date: 23 Dec 2016

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=38834

2017 6th International Symposium on Advanced Control of Industrial Processes (AdCONIP), 28 - 31 May 2017

Location: Taipei, Taiwan

Abstract submission deadline: 30 Sep 2016

Full Paper Submission deadline: 30 Sep 2016

Final submission deadline: 31 Jan 2017

Notification of acceptance date: 15 Dec 2016

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=39764

2017 8th International IEEE/EMBS Conference on Neural Engineering (NER), 23 - 28 May 2017

Location: Shanghai, China

Abstract submission deadline: 28 Feb 2017

Full Paper Submission deadline: 16 Jan 2017

Final submission deadline: 28 Feb 2017

Notification of acceptance date: 06 Feb 2017

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=36745

2017 25th Optical Fiber Sensors Conference (OFS), 24 - 28 Apr 2017

Location: Jeju, Jeju-Do, Korea (South)

Abstract submission deadline: 01 Oct 2016

Full Paper Submission deadline: 01 Oct 2016

Final submission deadline: 27 Feb 2017

Notification of acceptance date: 19 Dec 2016

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=39370

2017 IEEE International Conference on Data Science and Advanced Analytics (DSAA), 19 - 21 Oct 2017

Location: Tokyo, Japan

Full Paper Submission deadline: 25 May 2017

Final submission deadline: 15 Aug 2017

Notification of acceptance date: 25 Jul 2017

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=39724

2017 IEEE Information Theory Workshop (ITW), 06 - 10 Nov 2017

Location: Kaohsiung, Taiwan

Abstract submission deadline: 07 May 2017

Full Paper Submission deadline: 07 May 2017

Final submission deadline: 21 Aug 2017

Notification of acceptance date: 21 Jul 2017

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=38957

2017 IEEE Asia Pacific Microwave Conference (APMC), 13 - 16 Nov 2017

Location: Kuala Lumpur, Malaysia

Full Paper Submission deadline: 20 May 2017

Final submission deadline: 19 Aug 2017

Notification of acceptance date: 21 Jul 2017

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=39341

2017 International Conference on Intelligent Informatics and Biomedical Sciences (ICIIBMS), 24 - 26 Nov 2017

Location: Okinawa, Japan

Abstract submission deadline: 20 May 2017

Full Paper Submission deadline: 30 Jun 2017

Final submission deadline: 10 Sep 2017

Notification of acceptance date: 25 Aug 2017

http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=39582

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The R10 Newsletter schedule for 2016

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| September 2016 | 21 August 2016 |
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