

Editor: Zia Ahmed

Invited Column

On editor's invitation Professor V. K. Damodaran, R10 Life Member Activities Coordinator for 2016, has posted following very motivating message for R10 volunteers. Professor Damodaran is a recipient of the 2014 IEEE Education Board Meritorious Achievement Award for his outstanding contributions for the Continuing Education.

Dear Life Members and Section Chairs,

Very innovative involvements by IEEE Life Members have happened in R10 during 2016, which stand out as pointers for future activities: Leading a Children's Science Congress, Mentoring socio-economically disadvantaged children at school level to appreciate and opt for science & technology related topics for their higher studies, elevating the minds of depressed children with 'do it yourself mini projects' of technical nature and make them feel 'we can do it', training young entrants to IEEE to become leaders, to make new members feel the benefit of continuing with IEEE membership, mentoring for industry-institute interactive action research for solving technical problems of local nature, enthusiastic technical tours with spouses and young members, leadership in organizing major technical conferences, joint lecture meetings with other professional groups and public, advice to governments and municipalities, and the list is longer. I congratulate all the elders for showing what they can.

It was a year of getting to know of how active and busy are our Sections in Asia Pacific region. Almost a quarter of century before when I was a Section Chair, I vividly recall the 'stable pace' of activities in most Sections – but mostly technical. Students used to attend some of these, just to listen to stalwarts who shared their knowledge and experience with other members as well as non-members in the Section Office towns. But, today several Sections have more than one activity on every single day. Student members and young professionals – both men and women - are coming up with a number of activities in the up-to-date frontiers of knowledge related to electrical, electronic, computer as well as many other sister subject areas, and in humanitarian technologies, also seeing to it that such activities culminate successfully, as well as letting them benefit from these activities.

This phenomenal change has been as a result of vision, hard work and handholding by the then Section leaders, shoulder to shoulder with the present newsmakers, and who have now retired from arduous activity platforms - being 65, 70 or more on the age indicator scale. They are now called Life Members of IEEE. They number more than 1500 in R10. During 2016 – just for a year, I was on this tender task of coordinating the activities of some among them who still feel not tired.

I spotted more than 25 clusters where there are enough LMs who could still assist the present leadership and the newer members to get more out of what they want to organize within the Sections. Seven Affinity Groups of LMs (LMAGs) were already active in Japan, Australia and India. I explored through e-mails and direct conversations with the Chairs of potential other Sections and

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Upcoming IEEE Conferences in Region 10

**WISHING ALL IEEE MEMBERS
A VERY HAPPY NEW YEAR
&
PROSPEROUS 2017**

with Life Members who I knew earlier, whether more LMAGs could be formed in R10. Not because the ratio of LMAGs to LMs in other regions are any better; but as I believe R10 can do more. The result has been promising: 4 Sections have initiated actions to get together professionally and physically active LMs in their reach and to start petitioning to launch new LMAGs - actions are yet to fructify. I do hope they will help raise the number of LMAGs in R10 in the coming year.

Long travels, long hours of sitting, frequent physical meetings of LMs in disorderly traffic scenarios are naturally shunned by LMs. But, modern day communication facilities and the thought that even a single person or a very small group can still help in igniting young wicks into bright torches for the betterment of humanity as a whole, can drive even an isolated LM to get active once again. The love and respect given by most Section Volunteers to LM volunteers and getting them involved in multifarious activities within the region have been very inspiring experiences to me. I wish my successor to have more LMAGs to



coordinate as well as more such inspiring experiences. In the coming year, I will continue to interact with you all as a member of the MGA Life Member Committee and learn more on how not to get tired with activities.

V. K. Damodaran

R10 Life Member Activities Coordinator (2016)
Member, MGA Life Member Committee (2017)

IEEE R10 News and Highlights

IEEE R10 Humanitarian Technology Activities in 2016

Mission – The mission of IEEE R10 Humanitarian Technology Activities (HTA) committee is to inspire professionals and engineers to become socially responsible and be engaged in developing technological solutions which are cost effective and sustainable; improve living conditions and livelihood of people thus making a difference in peoples' lives.

Goals – The goals of the HTA 2016 were:

- Promote engineering and technology for the development of solutions to humanitarian problems through competition and conference.
- Encourage R10 Sections and individuals to work in the area of Humanitarian Technology.
- Enhance visibility of HTA and give recognition to significant humanitarian work and projects done by R10 members.

The IEEE Region 10 HTA Committee consists of:

Chair: Rajnish Gupta (Singapore)

Members:

Ang Boon Chong (Malaysia)

Darwin Jose Raju (India)

David B. L. Bong (Malaysia)

Parkash Lohana (Pakistan)

Huynh Thanh Binh (Vietnam)

Takao Onoye (Japan)

Key Activities in 2016 – The significant HTA activities for 2016 were as follows:

a) All IEEE Young Engineers Humanitarian Challenge (AIYEHUM) 2016

- AIYEHUM is a project-contest to encourage young scientists and engineers to solve real-world challenges applying science and technology.
- This year, we developed a new logo, presentation and website for the AIYEHUM this year for publicity purpose.
- A total of 272 project proposals from 10 countries were received. We also received 68 and 54 applications for Jury members and mentors respectively.
- 20 projects proposals were shortlisted for R10 funding and all shortlisted projects have been provided US\$500 for to complete their projects.
- The final reports from the funded projects are expected to appear in the coming issues of this newsletter.
- AIYEHUM Website: <http://aiyehum.ieeer10.org/>



b) Humanitarian Technology Conference (HTC), Agra

- Region 10 Humanitarian Technology Conference (R10-HTC-2016) is the premier annual cross disciplinary conference that provides a common platform for people to discuss recent advances in Humanitarian Technologies to foster a sustainable way of life.
- This year, R10 HTC will be held in Agra, India between 21 and 23 December.
- A total of 215 papers have been received. A special track on Students' Innovation Pavilion has been organized for promotion innovation in students' work.
- 21 Plenary/Keynote speakers have been confirmed.
- Prof Barry L. Shoop, 2016 IEEE President has confirmed his attendance for the conference.
- Conference website: <http://www.ieeehtc2016.com/>

c) R10 Outstanding Individual / Section Award for HTA

- IEEE R10 has established an Outstanding Individual/Section Awards for humanitarian technology activities to inspire IEEE volunteers and sections to become socially responsible and engaged in developing cost effective and sustainable technological solutions to improve living conditions and livelihood of people.
- This year the recipient of IEEE R10 Outstanding Section Award for HTA was Bangladesh Section. We received 3 nominations for the Individual award category but could not find a suitable candidate for it and therefore the award was not given.

d) Nepal Rehabilitation Project

- A project proposal on Nepal rehabilitation after the devastating earthquake in Nepal was submitted and presented by R10 director at the June 2015 Board Meeting. The Board agreed to the proposal and requested HAHC to

fund the proposal. HAHC/Smart Village suggested that a two-step funding mechanism will be followed. In the first step Smart Village and Region 10 would contribute \$10k USD each for the development of a detailed operational project plan. Given the detailed project plan and associated budget, HAHC would provide the remainder of the requested funds (\$50k USD).

- Nepal Sub-section had sent the project schedule and proposals for electrification in the two villages, Simigaon and Rigu in September.
- The electrification work has already started. The project is expected to complete by early next year.

e) Encourage Sections for HT Activities

All R10 Sections were divided among the members of HTA Committee. HTA Committee members have communicated with the Section Chairs and treasurers to encourage them to start (if they have no HT activities) humanitarian-related activities. It was communicated that the initial partial funding will be given by R10. However, we have yet to receive any positive response.

Impact made on IEEE membership

The HTA activities, especially, AIYEHUM and HTC, have created an impact on the members and people beyond IEEE. More and more people would like to contribute to HT activities. The Nepal Project will also create a significant impact in the lives of Nepal people who are living in the two villages.

It won't be unreasonable to expect enhancement of the IEEE membership due to these activities.

Rajnish Gupta

R10 HTA Coordinator (2015 – 2016)

IEEE WIE Special Session at TENCON 2016

A special session of IEEE WIE was organized at TENCON 2016 on 23rd November at Singapore. The organizers were Hla Nu Phyu and Huang Shaoying from IEEE WIE Singapore Section and Celia Shahnaz, 2016 IEEE R10 WIE Coordinator.

Celia Shahnaz provided a presentation on Region 10 WIE vision and activities in 2016 for participants to embrace an effective training for enhancing WIE activities in their Sections and to lead, engage and inspire each other. There were 8 technical papers presented in the WIE special session on emerging topics of research. The presenters were from Japan, Malaysia, Singapore, India, and Bangladesh. The participants were Bangladesh, Indonesia, Philippines, Singapore, Australia and different Sections of India and Japan.

Benefit/Outcome: The WIE Special Session provided a great opportunity to share the contribution of women scientists in the progress of modern research. Speakers also shared WIE activities of their respective Regions or Sections. Ample scope was created for interaction and to work together for future research, WIE activities. The WIE special session at TENCON 2016 created a wide platform to collaborate, connect and network within WIE members across IEEE Region 10.

Arokiaswami Alphones, Chair, IEEE Singapore Section and Hla Nu Phyu, Chair, IEEE WIE Singapore Section along with other WIE members provided an extra ordinary effort and a great support to make the IEEE WIE Special Session at TENCON 2016 a mega successful event.

Celia Shahnaz, Ph.D.

R10 WIE Coordinator (2016)

Inaugural Session of the IEEE HardTech Summit

In 2015, IEEE Young Professionals introduced the Signature Events Model to create a global networking experience at different IEEE Conferences. As a part of this, IEEE Young Professionals in Region 10 set out to organize an IEEE HardTech summit in conjunction with The TENCON, the R10 flagship conference. What started off as a small idea resulted in a full-fledged summit of sessions, demos and exhibits with a participation of more than 150 attendees from across the Asia Pacific region.

In the current technology trends where software technology start-ups often take up most of the limelight, IEEE Young Professionals in Region 10 came together to give hardware technology entrepreneurs, leaders, makers, researchers and enthusiasts from across Asia Pacific region, a common platform, and hosted their inaugural session of the IEEE HardTech Summit. Held in the upcoming hardware start-up hub of Asia - Singapore, the summit provided a unique opportunity for its attendees to obtain a first-hand view on the new hardware technology products being developed, to share insights from their product development journeys and discuss investor expectations when pitching hardware technology ideas. Hosted with support of the Smart Nation initiative of Singapore, the summit attracted a host of enthusiastic sponsors and partners - Rolls Royce, Indiegogo, Ruvento Ventures to name a few. The initiative was also widely supported by various IEEE societies such as IEEE Power & Energy Society, Communications Society, Industry Applications Society, EPICS in IEEE & IEEE ITSS.



Participants looking and learning about the driverless car.

The opening plenary session, which happens to be the one of the exciting sessions at the summit was that of Mr. Han Boon Siew, leader and developer of the A*STAR Driverless Vehicle Program. He captured the enthusiasm of the audience from the moment he arrived at the venue with his driverless vehicle. His talk gave an insight to the technological aspects of the vehicle development as well as reflected on the opportunities and challenges that surrounded materializing his vision of creating a driverless world. Another interesting session was that of Aisa Mijeno, Co-Founder and CEO of SALt – a product venture that fundamentally looks at sustainable alternative lighting. Her product received global attention after she was invited by President Barack Obama to a panel discussion with Alibaba Group Holding Ltd.'s Jack Ma at the Asia-Pacific Economic Cooperation summit in Manila in 2015.

The summit also witnessed a panel discussion where panellists Alejandro Alonso - CTO of Infinium Robotics, Kelvin Ong - CEO of Focustech Ventures and Alexa Zotova - Principal of Ruvento Ventures tackled questions on the different hardware

technology opportunities and challenges. The session was moderated by Mohan Belani - CEO at e27.

A summary report

Region 10 Education Activities

It was my honour to serve as Region 10 Educational Activities Coordinator from 2011-2014 and 2016. Over the years, Region 10 Educational Activities has encouraged vast area of activities in the Asia Pacific with significant achievements as follows:

1. From 2011-2014 and 2016, over 75 projects (out of 200+ projects submitted) were awarded EA Support Fund for the successful implementation with USD 20,000 from Region 10 with 50% matching fund from corresponding Sections. EA Support Fund aims to encourage Pre University activities such as Teacher in Service Program (TISP), Educational Outreach, professional development, continuing education, and accreditation activities. This is significant in terms of the impact of educational activities with several thousands participants (IEEE/non-IEEE members) in the Asia Pacific region.

2. TISP – Four projects were granted funding each year under the R10 EA Support Fund. Each year in cooperation and support from IEEE Educational Activities, one TISP training workshop was organised in each strategic cities. This impacts over 1000+ participants (IEEE/non-IEEE/pre-university educators)

3. Two regional EA awards are given each year (since 2013-2014, 2016, six awards were given). In 2013-2014, winner of the R10 EA award received EAB Meritorious achievement in Continuing education as well. Higher number of EAB award nominations from Region 10 were noted in 2013-2014. This provided and enhanced more recognition for members in the form of awards offered by region and EAB.

4. The number of dedicated Section EA Chair in Region 10 is 53% which is the highest among all regions with the target to increase 5% per year. The appointments of dedicated Section EA Chairs resulted in creating more leadership positions, enhance the stronger linkage and improved information dissemination from EAB to members in the region.

5. For the effective information dissemination from Region to section level, the followings are implemented,

- R10 EA web page on R10 Web site
- R10 EA Facebook with more than 2,150 likes
- R10 EA Twitter Chat (starting 2016)
- Section EA chair face to face meeting & Teleconference & Webinars
- EA track at R10 Meet & R10 SYPW Congress & R10 Flagship technical conferences such as TENCON and TENSYSM.



Apart from the speakers and panel sessions, the summit also featured a product showcase where young start-ups got an opportunity to pitch their hardware products to the audience. Products featured in this segment included SmartEgg- a universal remote control device created by AICO technologies, TinyMOS- the world's smallest astronomical camera and Rero - a reconfigurable robotics construction kit developed by Cytron technologies. They also exhibited their products for feedback which further lead to a healthy interaction with the participants.

In a nutshell, the IEEE HardTech Summit brought the latest technologies under its banner, and accelerated the knowledge exchange among the masses, which was well appreciated by all the sponsors, partners, speakers, attendees and volunteers who were associated with this event as well as the rest of the IEEE community. Several partners have already shown interest in being a part of the future editions of the summit.

The expectations for the future sessions of the HardTech Summit are high and we definitely would wish to ramp up the level with more speakers, sessions, partners and participants. We would like to extend our sincere thanks and gratitude to Nanyang Technological University's Graduate Student Council and World of Wisdom along with IEEE Singapore Young Professionals for hosting this massive initiative with their active support. We would also like to thank all the partners, sponsors, fantastic volunteers, participants and the IEEE fraternity for trusting us with the initiative and providing us with their support.

Nivas Ravichandran

R10 Young Professional Activities Coordinator (2016)



The participants and organisers of the inaugural IEEE HardTech Summit

6. An initiative for enhancing the Industry-Academia collaboration was introduced in 2016 by establishing three grants for joint-projects and one award on Industry-academia collaboration. This has helped to make the visibility of IEEE to the industry and cross collaboration concept to members, both academia and industry. With more industry engagement, it will bring more Industry IEEE member and joint projects which offer collaboration in the more sustainable way in the future.

With continuous development on Regional 10 Educational Activities passing to next coordinator, I am confident many activities would be prosper for a positive impact in the region. I would like to thank you Region 10 Directors, executive committees, R10 EA subcommittee members, EA volunteers and



IEEE Educational Activities for the strong support resulting in the achievement in the past years and the way forward.

Assoc. Prof Dr Supavadee Aramvith,
Chulalongkorn University, Bangkok,
Thailand
R10 Educational Activities Coordinator
(2016)

IEEE TISP Training Workshop in Bangkok, Thailand

August 6 – 7, 2016

This year Teacher in Service Program (TISP) training workshop was held in Thailand for one and a half-day on 6th and 7th August, 2016 in Bangkok. The event is co-organized between IEEE Region 10 Educational Activities led by Assoc Prof Dr Supavadee Aramvith (Also HKN Mu Theta Faculty Advisor), IEEE Thailand Section Educational Activities (Asst. Prof Dr Watt Ana Kewanee), and IEEE Educational Activities. There were fifty-two individuals participated from eight countries, two representative sections (Madras and Chengdu Sections), two IEEE staffs (Lynn Bowlby and Yvonne Pelham), and a speaker from Educational Activities Board (EAB), Mr. Sohaib Qamar Sheikh. In those eight countries, there were thirty-one from Thailand, four from Cambodia (three university lecturers and pre-university teacher), one from China (IEEE volunteer), three from Indonesia (two IEEE volunteers and pre-university teacher), two from Laos (two IEEE volunteers), four from Malaysia (two IEEE volunteers, one pre-university teacher, and guest), three from Philippines (two IEEE volunteers and pre-university teacher), and two from Vietnam (two IEEE volunteers). In Thailand, there were people from different organizations attending this program as IEEE volunteer, pre-university teacher, pre-university teacher (Thailand Ministry), Director of Chulabhorn Science High School Center, OBEC activity, and Educator of the Office of the Basic Education Commission.

The program consists of the presentation on understanding IEEE, IEEE's interest in pre-university education, IEEE pre-university programs, and IEEE TISP to the participants to get more information of this program. There were two engineering workshops, working with wind energy and building robot arm. The participants had to work in groups divided in each country during these workshops. The objectives of these workshops are to achieve in teamwork and time management, be creativity, be flexibility, be adaptability, be broad-minded, and be analytical and critical thinking skills. Additionally, the director of Chulabhorn Science High School Center presented one education model in Thailand which is focused on Science, Technology, Engineering, and Mathematics (STEM). After this presentation, the participants are divided into groups to develop

a partnership with other pre-university schools, a school system and an action plan for next steps. The breakout group is very important for the pre-university educators and IEEE volunteers in order to cooperate to each other and share ideas, issues, and solutions. Once trained, IEEE volunteers were able to connect with pre-university schools in their local communities to deliver the hands-on program as a community service, leading the students to improve their community with these engineering knowledge. The section of breakout group reports also enables the participants to consider various ways of approaching, communicate with others, develop program and lead, and have a clear vision for future planning.



According to the activities mentioned above, the main focus of the TISP training workshop is to enhance the performance of local pre-university educators to teach students in technically engineering subjects and lead them to engineering career to further improve their community. The local pre-university educators are able to lead the enhancement of student's academic skills and demonstrate several hands-on activities that can be integrated into classroom instructions, including mathematics, science, engineering, and technology disciplines. Furthermore, these workshops can be potentially provided to the communities to help people learning how to use technology and inquiry-based learning in daily life. Our expectation for the future is to encourage more students to continue studying engineering in university and to increase the general level of technical literacy, which can pursue engineering career, throughout their educational paths.



Assoc. Prof Dr Supavadee Aramvith
R10 Educational Activities Coordinator (2016)

R10 EA & EPICS Sessions at the IEEE Special Track on Humanitarian Technology and EPICS at the IEEE Hardtack Summit, Singapore.

The objective of the participation was to facilitate the experience sharing of founders of technology products and innovative designs for the humanitarian needs as a solution to several scenarios. The R10 EA and EPICS sessions consisted of several speakers, notably:

Dustin Jefferson, a Co-Founder of uHoo Air Monitor spoke about uHoo as an Air Quality Sensor Monitor which helps indoor environmental protection from toxins and allergens. Air Quality is the single biggest environmental hazard in the world according to World Health Organisation. uHoo is especially helpful to those suffering from asthma, rhinitis, and allergies, but also useful for parents of young children, the elderly and those interested in knowing the air they breathe.

Aisa Mijeno, Co-Founder & CEO of Sustainable Alternative Lighting (SALt), explain about how the salinity of ocean water can operate the lamp. The use the ocean-water to power up a lamp and can give up to 8 hours of running time. SALt has caught the attention of not just local but international competitions and has already received several awards. Philippines, South Korea, Japan, Singapore, Malaysia, Netherlands, USA, France

Supavadee Aramvith spoke about EPICS in IEEE & R10 Education Activities. She delivered information about EPICS in IEEE and how Hardware Technology developers [university students] jointly with NGO and high school students' involvement can get funding for their initiative through the EPICS program. This would enable the promotion of IEEE as an organization which supports products and technological solutions for humanitarian needs.



Assoc. Prof Dr Supavadee Aramvith
R10 Educational Activities Coordinator (2016)

R10 Membership Development Update

Dear R10 Section Chairs, Council Chairs and Section MD Chairs,

This November MD report marks the first quarter period of the 2017 membership cycle. At this juncture, a lot of Sections are below the 25% target for recruitment. Good news is that there are a lot of Sections that have surpassed the 25% point to their retention targets. However, one particular concern is the low retention rate of 4.3% for Student Members. I am urging the Section Chairs and MD Officers to start early on their student member engagement to retain them. We should also engage the graduating students and elevate them to Young Professionals to make them stay with IEEE.

The IEEE 5G initiative – Call for Volunteers

The IEEE 5G initiative is designed to demystify 5G technologies and technology trends and to equip industry teams with the knowledge of 5G. The IEEE 5G Initiative kicked-off on 29 - 30 August, 2016 at Princeton, USA and seeks to create robust cross-society working groups. The first face-to-face Steering Committee meeting was held on November 17 at New Brunswick during the Board Series of meetings. If you are interested in participating, please fill out the contact form at the 5G Initiative website (5g.ieee.org), and your information will be communicated to the appropriate working group consisting of:

- Web Portal / Content Development
- Publications
- Education
- Community Development
- Brand Development
- Standards
- Industry Engagement
- Conferences and other events
- Technology Roadmap: Based on horizon scanning, interviews and expert knowledge, the mission of the 5G Roadmap working group is to identify short (~3 years), mid-term (~5 years) and long-term (~10 years) research, innovation and technology trends in the communications ecosystem. This will enable the development of a concrete innovation and engagement roadmap guiding the IEEE community towards maximum impact contributions across its societies. The outcome shall be a live document with a clear set of (accountable) recommendations. The document shall be updated annually and will be developed in conjunction with the other working groups.

Join the IEEE 5G Technical Community to stay informed about the activities occurring throughout the IEEE 5G Initiative.

Ashutosh Dutta and Gerhard Fettweis

IEEE 5G Initiative Co-Chairs

Emails: Ashutosh Dutta (ad37@caa.columbia.edu)

Gerhard (Gerhard.Fettweis@tu-dresden.de)

In view of the low recruitment rate at the start of 2017 membership cycle, the Sections should put in more effort in their membership promotion. This is still a good time for the recruitment drive as the new members will still be getting a full-year membership. Remember, word-of-mouth is still the most effective promotion of the values of IEEE. We can also promote the Member-Get-A-Member program to our members. Every year, R10 members feature highly as the winners of this program.

As we are approaching 2017, please plan for a smooth hand over of MD duties to the incoming MD Officers. Last but not least, I would like to request the Section Chairs or MD Officers to send a heartfelt welcome message to the new members and get them up to speed with the local Section organization and activities.

Here's wishing all of you at R10 a merry Christmas and a very prosperous 2017.

Dr Michael Ong

R10 Membership Development Committee Chair

R10 Volunteers win 2016 MGA Awards

On 19 November 2016, the IEEE Member and Geographic Activities Board (MGA) approved the distribution of 14 volunteer awards that promote, recognize, and reward excellence in MGA operations and activities of IEEE geographic units.

MGA Leadership Award

Celia Shahnaz (R10), Bangladesh Section

For leadership in engineering and technology driven innovative IEEE Women in Engineering activities for enhanced membership development and engagement in Region 10 and across the globe.

MGA Achievement Award

Shaikh A. Fattah (R10), Bangladesh Section

For dynamic leadership in achieving rapid transformation of the IEEE Bangladesh Section into a vibrant large section by ensuring maximum member engagement through innovative activities.

B. Satyanarayana (R10), Bombay Section

For elevating and enhancing IEEE member engagement through innovative technical activities, notably SKEP (Skill and Knowledge Enhancement Program) and IBSS (IEEE Bombay Section Symposium).

MGA Young Professionals Achievement Award

Shahim Baker (R10), Kerala Section

For outstanding contributions to IEEE and IEEE Young Professionals, providing inspiring leadership to the community, and assisting in member skill development.

Preeti S. Kovvali (R10), Hyderabad Section

For leadership, enthusiasm, and dedication toward IEEE Young Professionals and IEEE Women in Engineering to achieve MGA goals and strategies.

Hussain Mahdi (R10), Malaysia Section

For exemplary leadership and contributions to student and IEEE Young Professional activities and for continuous efforts supporting the technical and professional development of IEEE members.

Nivas Ravichandran (R10), Madras Section

For exceptional achievement and outstanding contributions to IEEE Young Professional members across Asia Pacific as the Young Professionals Coordinator for Region 10.

Congratulations to all our well deserving winners!

R10 Voting in IEEE Election 2016

Dear IEEE members,

Thank you for participating in the 2016 IEEE Annual Elections.

James A. Jefferies has been voted in as the 2017 IEEE President-Elect.

Akinori Nishihara has been voted in as the 2017-2018 IEEE Region 10 Director-Elect.

Our Region 10's total ballots returned was 13.85% and the IEEE's total ballots returned was 16.29%. In order to encourage our members to vote, Region 10 provides an incentive to the Sections with the highest voting percentage.

I am pleased to announce the 3 Sections for its highest voting percentage amongst the 57 Sections in Region 10. They will receive US\$ 500, US\$ 300 and US\$ 200 respectively. The winners are:

- 1st Highest voting percentage: Shikoku Section (27.88%)

Call for Nominations: IEEE Awards

The IEEE Awards Board administers the highest medals, awards, and recognitions presented by IEEE on behalf of the IEEE Board of Directors. All IEEE members are encouraged to submit a nomination for a worthy candidate within their technical fields.

Nominations are due 15 January annually for IEEE Technical Field Awards (TFAs) and the IEEE Eric Herz Outstanding Staff Member Award. IEEE TFAs are awarded for contributions or leadership in a specific field of interest of the IEEE. The IEEE Herz Award recognizes sustained contributions by a present or past full-time staff member of the IEEE with at least ten years of service.

Nominations are due 15 June annually for IEEE Medals and IEEE Recognitions. IEEE Medals are the highest recognition within the IEEE awards hierarchy, with the prestigious IEEE Medal of Honor as the premier award. They embrace broad and significant contributions within the technical fields of interest of IEEE. IEEE Recognitions reward member's individual contributions to IEEE, published papers, and corporate advancements within the IEEE fields of interest. Recipients of IEEE Medals and Recognitions are recognized at the annual IEEE Honors Ceremony.

Nomination forms and award-specific criteria can be downloaded from:

http://www.ieee.org/about/awards/tfas/index_tfas.html

http://www.ieee.org/about/awards/recognitions/recognitions_herz.html

http://www.ieee.org/about/awards/medals/index_%20medals.html and

http://www.ieee.org/about/awards/recognitions/index_%20recognitions.html.

Since 1917, the IEEE Awards Program has paid tribute to technical professionals whose exceptional achievements and outstanding contributions have made a lasting impact on technology, society, the engineering profession, and humanity. By this means, the image and prestige of the organization, its members, and the profession are all enhanced.

For more information, visit www.ieee.org/awards or e-mail awards@ieee.org.

- 2nd Highest voting percentage: Kansai Section (26.14%)

- 3rd Highest voting percentage: Sendai Section (25.39%)

Congratulations to the three Sections for their efforts in helping to raise the percentage of the returned ballots for our Region.

Yours Sincerely,

Ramakrishna Kappagantu

R10 Director (2015 – 2016)

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2017 Class of IEEE Fellows from R10

(Fellows are listed in the alphabetic order by the Section)

Following is the list of IEEE Fellows in Region 10 of 2017 Class. It is worth noting that Region 10 Fellows make almost 24% of all Fellow elevation this year and is an all-time high record for the Region. Also for the first time there are a significant numbers of new Fellows from China and India

Australian Capital Territory Section

Robert Mahony, The Australian National University, for contributions to control aspects of aerial robotics

Bangalore Section

Kallianpur Padiyar for contributions to education in power systems and application of power electronics

Beijing Section

Chongqing Kang, Tsinghua University, for contributions to power system operation and planning in uncertain environments

Jianyang Wang, for development of efficient data mining algorithms

Li Li, Tsinghua University, for contributions to intelligent transportation systems and vehicles

Ru Huang, for contributions to multi-gate silicon nanowire transistor technology

Tieyan Liu, Microsoft Research Asia, for contributions to machine learning for web search and online advertising

Xinzhou Dong, for contributions to traveling wave-based transmission line protection and fault location

Yiguang Hong, for contributions to nonsmooth control and distributed multi-agent control

Zhihua Wang, for contributions to circuits and microsystems for medical applications

Zi-xing Cai, for contributions to evolutionary optimization and intelligent robotics

Bombay Section

Ramgopal Raovalipe, for contributions to CMOS System-on-Chip technologies

Chengdu Section

Ce Zhu, University of Electronic Science & Tech, for contributions to video coding and communications

Yun-jiang Rao, School of Communication and Information Engineering, for contributions to optical fiber sensors and applications

Daejeon Section

Youngsoo Shin, KAIST, for contributions to design tools for low power, high speed VLSI circuits and systems

Delhi Section

Bhuvaneswari Gurumoorthy IIT, Delhi, for contributions to design and development of enhanced power quality converters

Sushil Soonee, Power Sytem Operation Corporation Ltd, for leadership in developing operational methods for power grid interconnection in India

Guangzhou Subsection

Jun Zhang, Sun Yat-Sen University, for contributions to evolutionary computation and its applications

Yuanqing Li, for contributions to brain signal analysis and brain computer interfaces

Harbin Section

Dianguo Xu, Harbin Institute of Technology, for contribution to control of electrical drives and power electronic converters

Guang Duan, for contributions to parametric control system design and applications

Lixian Zhang, for contributions to nondeterministic switched systems

Hong Kong Section

Graziano Chesi, for contributions to control of nonlinear and multi-dimensional systems

Hang Li, Huawei Technologies, for contributions to machine learning for information retrieval and natural language processing

James Kwok, for contributions to computational algorithms for kernel methods

Qingfu Zhang, for contributions to multi-objective evolutionary computation methodologies

Wenping Wang, for contributions to computer graphics and solid modeling

Wing C Daniel Ho, for contributions to stability and control for stochastic systems

Wing-kin Ma, for contributions to optimization in signal processing and communications

Kansai Section

Tatsuya Kawahara, Kyoto University, for contributions to speech recognition and understanding

Kolkata Section

Debatosh Guha, for contributions to microstrip and wideband dielectric resonator antennas

Kwangju Section

Yosung Ho, Gwangju Institute of Science and Technology, for contribution to video coding and 3D image processing

Nagoya Section

Akimasa Hirata, for contributions to safety assessment and standardization of human exposure to electromagnetic fields

Kenji Itoh, Kanazawa Institute of Technology, for contributions to microwave harmonic mixers and applications to mobile terminal devices

Masahito Hayashi, Graduate School of Mathematics, Nagoya University, for contributions to Shannon theory, information-theoretic security, and quantum information theory

New South Wales Section

Brett Ninness, for contributions to computational methods in system identification

Eduardo Nebot, for contributions to robotics and applications in vehicle navigation and mining

Josep Pou, for contributions to multilevel converters and renewable energy conversion

Stephen Hanly, Macquarie University, for contributions to capacity analysis and optimization of wireless communication networks

Zhaoyang Dong, The University of Sydney, for contributions to development of computational methods for power system stability and planning

Sendai Section

Akihiro Nitayama, for leadership in 3-dimensional NAND Flash memory technology development

Seoul Section

Deog-kyoon Jeong, for development of Digital Video Interface and High Definition Multimedia Interface standards

Kiyoung Choi, for contribution to low-power, real-time, and reconfigurable systems

Sang Bin Lee, Korea University, for contributions to off-line testing and on-line condition monitoring for ac electric machines

Soonhoi Ha, Seoul National University, for contributions to hardware/software code-sign

Shanghai Section

Ronghong Jin, Shanghai Jiao Tong University, for development of high efficiency planar antenna arrays and miniaturized antennas for wireless systems

Wei-ting Chien, for leadership in reliability management

Singapore Section

Dusit Niyato, Nanyang Technological University, for contributions to resource allocation in cognitive radio and cellular wireless networks

Guaning Su, for leadership in defense technology and management of educational institutions

Lap-pui Chau, Nanyang Technological University, for contributions to fast computation algorithms for visual signal processing

Rui Zhang, National University of Singapore, for contributions to cognitive radio and energy harvesting communications

Shuicheng Yan, National University of Singapore, for contributions to subspace learning and visual classification

Teng-joon Lim, National University of Singapore, ECE, for contributions to statistical signal processing in wireless communications

Zhongxiang Shen, for contributions to 3D frequency selective structures and slot antennas

Sri Lanka Central Region Subsection

Janaka Ekanayake, for contributions to education in renewable energy integration and smart grid

Tainan Section

Kuen-jong Lee, for contributions to low-cost testing of digital VLSI circuits

Taipei Section

Ching-chih Tsai, National Chung Hsing University, for contributions in intelligent adaptive learning control for industrial systems and machinery

Faa-jeng Lin, for contributions to intelligent control systems for motor drives and motion control

Gwo-bin Lee, National Tsing Hua University, for contributions to micro- and nano-fluidic technologies for biomedical applications

Hsien-hsin Lee, TSMC / DMKD, for contributions to 3D integrated circuits and computer architecture

Phone Lin, National Taiwan University, for contributions to resource management and service development for mobile networks

Tian-wei Huang, National Taiwan University, for contributions to design and development of millimeter-wave CMOS RFICs

Tokyo Section

Hideto Hidaka, for leadership in high-density memory technologies for automotive applications

Hironori Kasahara, for contributions to multicore architectures and power reducing parallelizing compilers

Junichi Nakamura, for leadership in CMOS image sensors

Kenichi Kagoshima, for contributions to antennas for satellite communication and mobile wireless access systems

Shu Namiki, AIST, for contributions to optical amplification

Takao Kobayashi, Tokyo Institute of Technology, for contributions to expressive speech synthesis based on a statistical parametric approach

Toshihisa Shimizu, Tokyo Metropolitan University, for development of reliable power converters for industrial and renewable energy applications

Uttar Pradesh Section

Sri Niwas Singh, for leadership and contributions to power engineering education

Victorian Section

Saman Halgamuge, University of Melbourne, for contributions to computational intelligence in bioinformatics and mechatronics.

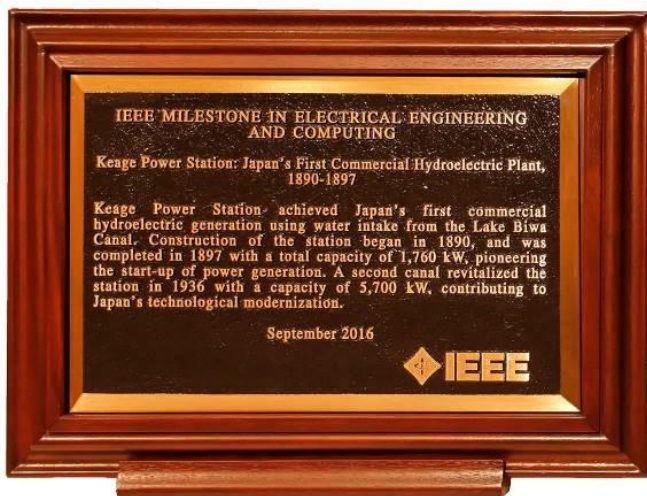


IEEE R10 Councils & Sections News and Highlights

IEEE Kansai Section

IEEE Milestone in Electrical Engineering and Computing

The Dedication Ceremony of the IEEE Milestone for Keage Power Station, Japan's first commercial hydroelectric plant was held on September 12, 2016, at the Westin Miyako Kyoto, Japan. The IEEE Milestone in Electrical Engineering and Computing is a program of the IEEE History Committee administrated through the IEEE History Center to honour significant achievements in electrical, electronic, and computer engineering and the associated sciences. Milestones recognize technological innovations and excellence for the benefit of humanity found in unique products, services, seminal papers and patents. IEEE established the Milestones Program in 1983 in conjunction with 1984 Centennial Celebration to recognize the achievements of the Century of Giants who formed the profession and technologies represented by IEEE. More than one hundred Milestones have been approved and dedicated around the world. Each milestone recognizes a significant achievement that occurred more than twenty-five years ago in an area of technology represented in IEEE and having at least regional impact.



The Keage Power Station was approved for the IEEE Milestone on November 23, 2015. Professor Hironori Yamauchi, the Chair of IEEE Kansai Section, hosted the dedication ceremony for the IEEE Milestone in Electrical Engineering and Computing plaque. Invited guests included Prof Howard E. Michel, IEEE Past President, Kansai Section Executive Committee members, and executives from Kyoto City and the Kansai Electric Power Co., Inc.

Keage Power Station achieved Japan's first commercial hydroelectric generation using water intake from the Lake Biwa Canal. Construction of the station began in 1890, and was completed in 1897 with a total capacity of 1,760 kW, pioneering the start-up of power generation. A second canal revitalized the station in 1936 with a capacity of

5,700 kW, contributing to Japan's technological modernization.

Prof Hironori Yamauchi addressed the gathering and Prof Howard E. Michel presented the commemorative plaques to Mr. Daisaku Kadokawa, Mayor of Kyoto City and Mr. Shigeki Iwane, President & Director of the Kansai Electric Power Co., Inc.

The Keage Power Station is the 29th Japanese milestone. After the Dedication Ceremony and the celebration lunch party, a lecture session entitled "Commemoration of IEEE Milestone Award" was held at Keage Power Station and Lake Biwa Canal Museum of Kyoto, Japan with 50 participants.

To start, Mr Masao Yakuwa, the Kansai Electric Power Co., Inc., gave an introductory talk entitled "Overview of Keage Power Station". The Second lecture entitled "Overview of the Lake Biwa Canal" was presented by Dr Michitake Hisaoka, Kyoto City.



(From left): Prof Hironori Yamauchi (Chair, IEEE Kansai Section), Mr Shigeki Iwane (President & Director, the Kansai Electric Power Co., Inc.), Mr Daisaku Kadokawa (Mayor, Kyoto City), Professor Howard E. Michel (Past President, IEEE), at the IEEE Milestone Dedication Ceremony

Dr Nobuyuki Takamori Secretary, IEEE Kansai Section

IEEE ACT Section

ACT Section Students Congress

Supported by the funding from the IEEE Region 10 Student Activities Committee (SAC), a Student Congress was successfully held in ACT Session, Australia, at the Australian National University on September 6, 2016. The theme of the event was how to speak engineering languages and it was organized by the Section Chair Dr Fouad Karouta, the Student Activity Coordinator, Dr Xiuping Jia and the Young Professionals Coordinator, Miss Quyen Do with wide support from the Executive Committee members. All Student Branches active in ACT as well as the YP and WIE groups contributed to the congress organisation.

This was the first congress organised by the ACT Section targeting our member students with the aim to give them practical guidelines on how to present a scientific work in a conference both for oral and poster presentations. Twenty people attended the event, including 3 guests. The Section Chair Dr Fouad Karouta gave a presentation about the art of presenting a scientific work as oral and as poster presentations. Three experienced students, Meng Xu, Yiqing Guo, and Xuejie Liu, then shared their experience in technical presentations followed by ample discussions with 4 panel members, Ross Summerfield, Greg Milford, Xiuping Jia and Fouad Karouta, about the pros and cons - and how to improve. The event was open to a limited number of non IEEE students to promote IEEE and attract new memberships.



The Section Chair Dr Fouad Karouta gave a presentation about the art of presenting a scientific work.



The panel discussion (Panel members: Ross Summerfield, Greg Milford, Xiuping Jia and Fouad Karouta).

After a light dinner four teams of three participants each were formed for the trivia part with questions related to IEEE in general, R10, Australia and ACT section. A few questions were also dedicated to Women who won Nobel prizes. Dr Ambarish Natu chaired the challenging trivia session. After the trivia some mathematical quizzes were played to differentiate between the students in one team. Four prizes were distributed to the winners: Meng Xu, Tim Burgess, Xuejie Liu and Adnan Awan. All participants enjoyed the event and found the gathering valuable.

Dr Fouad Karouta, ACT Section Chair

Dr Xiuping Jia, ACT Section Student Activity Coordinator

IEEE Indonesia Section

The Power & Energy Space for Young Professionals An Industrial Workshop

The Universitas Hasanuddin in conjunction with IEEE Indonesia Section organized an Industrial Workshop for the Power & Energy Space for Young Professionals and Students on 23 Nov 2016. The theme for the workshop was "The ASEAN Economic Community (AEC) Market and the Need of Empowerment for Young Professionals in Power and Energy Field".



The workshop was held at the Swiss Bell Hotel Makassar, attended by over 100 participants from academics, practitioners and industry. Mr. Satrio Dharmantyo, Chair of IEEE Indonesia Section was also present at the workshop.

The speakers for the workshop were Dr Indrabayu (Head of the Research Group AIMP Universitas Hasanuddin), Dr Muhammad Bachtiar Nappu, (Energy and Electricity LP2M Kapuslitbang Universitas Hasanuddin), Dr Sarjiya (Chair, Power and Energy Society, IEEE Indonesia Section), Sudarjo Katu, (Human Research and Development Manager PT Semen Tonasa), Ir. Muhammad Muhayang, ST, IPM, (Industrial Relations Manager of PT Eastern Pearl Flour Mills), Nivas Ravichandran (Young Professional Region 10 Coordinator), Kurnianingsih (Chair, Young Professional IEEE Indonesia Section), and Ardiaty Arief, (Head of Power Systems Stability Research Group Universitas Hasanuddin) as moderator.

This workshop covered various perspectives on the development of technical and professional workforce to meet the future energy needs of the world, especially to face AEC's era. The development process remained focused on the transformation process of knowledge, skills, and ability which can be used to generate professional services. The participants also gain additional insight and direct exposure to the experience of experts for the skill, training and experience necessary to build a qualified workforce in the service of the electric power industry.



A group photo of the workshop attendees

Baizul Zaman,

Chair of IEEE SB Universitas Hasanuddin, Indonesia

IEEE Harbin Section

Inaugural Ceremony IEEE Women in Engineering (WIE) Affinity Group Harbin Section

With nearly 30 women members, IEEE Harbin Section Women in Engineering (WIE) Affinity Group is initiated at Harbin Institute of Technology (HIT). This is the first WIE Affinity Group in mainland of China. As women are playing important roles these days in all aspects of technical fields more than ever before, the WIE Affinity Group (Harbin Section) dedicates itself to promote female engineers and scientists in north China by organizing conferences, guest lectures, women seminars, workshops and events on a very routine basis. The newly elected officer of WIE AG Harbin are:

Chair: Associate Professor Min Jia, School of Electronics and Communication Engineering, HIT

Vice Chair: Associate Professor Yang Yu, Department of Automatic Test and Control, HIT

The inaugural ceremony for the establishment of the Harbin Section's WIE Affinity Group was held in the afternoon of 1st Nov 2016 at the Harbin Institute of Technology. The Chief Guest at the inaugural ceremony was Professor Guohui Yang, Secretary of IEEE Harbin Section. Other important guests included Professor Weixiao Meng, Chair of IEEE ComSoc, Vice President of School of Electronics and Communication Engineering, Associate Professor Kuang Zhang, Chair Harbin YP, Associate Professor Xuanli Wu, Chair of IEEE VTS and Associate Professor Shuai Han, Vice Chair of IEEE VTS.



Dr Min Jia addressing the inaugural session.

The inaugural ceremony was presided by Dr Min Jia (Chair, IEEE Harbin WIE), who welcomed all the guests and informed that the IEEE WIE AG Harbin Section was established on 21st September 2016. She described the mission of the affinity group as to facilitate producing perfect female scientist/engineer by disseminating knowledge, encouraging ideas, respecting values,

fostering professionalism, providing resources and recognizing excellence.

Prof Guohui Yang in his address praised the Harbin Section for establishing the WIE Affinity Group. He said that forming the group is one step but continuing it is the next bigger task. He added that once the group is formed people will be very enthusiastic in the beginning to do events but eventually the energy levels will come down drastically over a period of time. Hence, he suggested the women scientists to continue this spirit and spread it for furthering the engineering and academic careers. Later, he brought to light the benefits of IEEE Harbin Section. He concluded his talk by stressing the need for publishing more papers in international journals and to utilize all the resources provided by IEEE. The session was really inspiring and all the attendees got a good insight of IEEE and its benefits.

Last, the VIP guest of the event Professor Weixiao Meng in his talk described the IEEE a service organization, whose mission is to provide the members with more opportunities for exchange of information and assist the members in their scientific research. He congratulated the IEEE WIE AG Harbin Section pointed the important role of the group to influence the School of Electronics and Information Engineering of HIT. He said IEEE WIE is really a special and important group in HIT.



Cake cutting at the inaugural ceremony

For the future plan, IEEE WIE of Harbin Section will hold the academic meeting periodically, and invite the outstanding experts and scholars to present at the meetings, all the participants will understand the latest trends of the technology fields, as well as improve the ability of scientific research by the academic meetings. It hoped that these activities will promote more female scientists/engineers and students to join WIE Affinity Group of Harbin Section.

Professor Wu Qun
Harbin Section, China



A group photo of the attendees at the inaugural ceremony of the IEEE WIE AG Harbin Section

IEEE UP Section

ETNCER-16

National Conference “Emerging Trends in Non-Conventional Energy Resources” (ETNCER-16) Organized on October 22, 2016 at Integral University, Lucknow.



The first national conference titled “Emerging Trends in Non-Conventional Energy Resources” (ETNCER-16) was organized by the Department of Electronics and Communication, Physics & Electrical Engineering on October 22, 2016 at Integral University, Lucknow. This was a one day national conference and was technically/financially supported by IEEE UP Section, WIE IEEE Affinity Group, UP-NEDA, SEEM, ISTE and UPCST. The conference was well attended by eminent academicians, faculty members & students from various universities and educational institutions from different parts of the India & representatives of government bodies and industries. The conference started with the welcome address by Prof S. Hasan Saeed, convener ETNCER-16, and Head of Dept. ECE, wherein briefed about the Integral University and its achievements in the fields of research & technology. Chief Guest, Pro Vice-Chancellor Prof T. Usmani addressed the audience and provided an insight to the fact that in future non-conventional energy resources are going to be very vital. The conference souvenir was released by Honourable Pro Vice Chancellor and all the dignitaries on the dais. The Technical Session started with the keynote addresses by eminent speakers Dr Usha Bajpai, Professor at Center of Excellence in Renewable Energy Education and Research, University of Lucknow, and. Professor Dr Syed Naseem Ahmad, Department of ECE, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi. In her key note address Dr Usha Bajpai discussed the sustained reliable power generation as key to nation's growth. She also discussed about solar energy and its physical significance. Dr Syed Naseem Ahmad delivered the concept and idea on the latest research, technology, innovation and commercial aspects related to renewable energy sources.

The Conference theme played around the following research areas: Renewable energy systems, Integration energy management, Policy & Economics, Materials for non-conventional energy applications and nano materials for energy production. Four parallel tracks were held in which a total of 60 papers were presented. The presentation were reviewed by panel of session Chairs Dr Suresh Bajpai, Director FIETE, Lucknow, Dr N. R. Kidwai, Dean JIT, Barabanki, Dr Mohd. Tariq MBP Govt. College, Gorakhpur, Dr Isht Vibhu, Head of Physics Dept., YDPG College, Lakhimpur, Dr Puneet Mishra, Department. of Computer Science, Lucknow University, Dr Mahendra Agnihotri, Department of Physics, Lucknow University, Dr. Mohd. Tariq, MBP Govt. College, Lucknow, Dr. P. K. Bharti, Head of ME Department, Integral University. The authors were queried both by the experts as well as the audience. Sessions' best papers were selected by the session Chairs. During the

valedictory program conducted in the evening, the Chief Guest Prof M. Abdel Wahab, Department of Engineering Science, Suez University, Egypt, congratulated the University and the Management on organizing a national conference on a contemporarily relevant theme and offered his respective organizations help and support in organizing such programs in the future too. Dr. Imitiyaz Ashraf, Professor at AMU, Aligarh was also a Guest of Honour on this occasion. A few participants who gave their feedback on the conference praised the department for hosting its first ever conference in such an impeccable manner and said that they were overwhelmed by the hospitality offered by the organizers. On behalf of the departments of ECE, EE & Physics, Dr Mounawer Alam, Head of EE, delivered vote of thanks. He thanked all the sponsors, advertisers, delegates, representatives from the media and the faculty and student for their magnanimous support and assured that university will organize more such activities in the future. That concludes a remarkable, memorable and knowledgeable conference ETNCER-16. The Conference Souvenir CD was released by the Chief Guest on the occasion and the certificates to the participants too were given away. After the valedictory program, high tea was served and the conference came to an end, leaving fond memories in the minds of the guests and delegates and great sense of satisfaction and accomplishment in all members of the faculty and staff and student volunteers who were associated with its preparation and organization over a period of three months.

Assoc. Professor Imran Ullah Khan
Dept. of ECE, Integral University, Lucknow, India

IEEE UP Section

SMART 2016

Fifth International Conference on “System Modeling & Advancement in Research Trends” (SMART 2016), in technical co-sponsorship with IEEE UP Section, was organised by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad from 25th to 27th November, 2016. This conference brings together leading researchers, engineers and scientists in the domain of interest from around the world by providing a platform to present new advances and research results in the fields of Computational Sciences, system modeling and computer science. The main objective of SMART 2016 was to provide platform for the researchers, engineers and scholars in the field of computer science and information technology to disseminate their latest research results and exchange views on the future research directions in these areas. The purpose of this conference is to make a scientific contribution to the field of computational creativity through discussion and publication on progress in fully autonomous creative systems, modelling human and computational creativity, computational support for human creativity, simulating creativity, and human/machine interaction in creative endeavours. Contributions come from many relevant disciplines, including computer science, artificial intelligence, engineering design, cognitive science,

The conference focuses on the study and exchange of academic achievements of international researchers. It serves as academic discussion communication platform which is beneficial for research in the field of computer science aiming to stimulate researchers in their work. The collection of papers in this conference proceedings are on Algorithms and Computational Mathematics, Machine learning and optimization,

Communication, Networking and Broadcast Technologies and Digital India Initiative.

SMART 2016 received 199 submissions and each submission was reviewed by external reviewers and evaluated on quality, originality, and relevance. The technical program committee accepted 63 papers. As a result, 63 submissions were selected for discussion at the meeting of the program chairs and all 63 papers were accepted for the presentation at the conference and publication in the proceeding of SMART-2016.

The papers presented at SMART 2016 were not its only highlight. In addition to the technical sessions, the conference featured keynote speeches by leading figures from industry and academia, such as:

1. Professor R.K. Mittal, University School of Management Studies, GGSIP University, New Delhi, and Founder V.C., Teerthanker Mahaveer University, Moradabad, India.
2. Professor Abu Bakar Abdul Hamid, University Putra Malaysia, Malaysia.
3. Dr Danila Parygin, Associate Professor, VSTU, Cand. Tech. Sc., Volgograd, Russia.
4. Professor Raghuraj Singh, Director, Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh, India.
5. Dr Mohamad Ridzwan Ishak, Sr. Lecturer, Department of Aerospace Engineering, University Putra Malaysia, Malaysia.
6. Professor Mohammad Sarosh Umar, Professor & Chairman, College of Computer Engineering, Aligarh Muslim University, Aligarh, India.
7. Professor J. Ramkumar, Associate Professor, Associate Dean for Student Activities (ADSA), Department of Mechanical Engineering and Design Program, IIT-K, Kanpur, India. Chair, IEEE UP Section.
8. Professor (Dr.) Dilip Sharma, Program Coordinator (CSE) & Professor, Department of Computer Engineering & Applications, GLA University, Mathura, India. Secretary - IEEE UP Section.
9. Dr. Aseem Chandel, Professor & Head-EE, BSA College of Engineering & Technology, Mathura, India.
10. Professor Ekram Khan, Department of Electronics Engineering, Aligarh Muslim University, Aligarh, India.
11. Prof (Dr.) Parma Nand Astya, Professor & Dean of CSE, School of Computing Science & Engineering, Galgotias University, Gautam Buddh Nagar, India.
12. Dr Vibash Yadav, Director, Krishana Institute of Technology, Kanpur, India.

In total, there were over 174 individual authors from five countries, representing both academic and industrial organizations. The research areas covered at SMART 2016 were thus not only technical in nature, but reflected the diverse angles from which to approach this emerging research field.

During the organisation of this conference help was received from different people, departments and institutions. First, I would like to extend my sincere thanks to the Chief Patrons Shri Suresh Jain, Chancellor, Teerthanker Mahaveer University, Moradabad and Shri Manish Jain, Group Vice Chairman, Teerthanker Mahaveer University, Moradabad, and the Patrons Prof R. K. Mudgal, Vice Chancellor, Teerthanker Mahaveer University, Moradabad and Mr. Devadesh Sharma, Registrar, Teerthanker Mahaveer University, Moradabad for their valuable support in organising such an international conference. Secondly, I would like to thank the IEEE U.P. Section, India for their enthusiastic assistance and support to this conference. Now, I

would like to thank the keynote speakers for their incredible speech on the main theme of the conference. I would like to thank both the authors who submitted their work to SMART 2016 and the external reviewers, who spent their time reviewing the research papers and providing the feedback that resulted in the selection of the papers featured in these proceedings. Several organizations provided financial and logistical assistance in organising the conference, and I would like to acknowledge their support. Lastly, I want to thank to the programme committee members for their diligent and great work that made this conference possible. In conclusion, it was the team effort of all these people that made this conference a success. I welcome suggestions that may help improve the conference in the future. I look forward to this publication providing the foundation for future developments in the field of computer science and information technology.

Prof Rakesh Kumar Dwivedi

Conference General Chair

(Report submitted by Dr Danish Ather)

IEEE Malaysia Section

4-in-1 Event Organization Strategy of IEEE OES Chapter

The IEEE Oceanic Engineering Society (OES) Malaysia Chapter was officially registered in March 2015. As a newly formed Chapter, it has been gradually progressing and marking its existence to the Malaysia Section quite well. In 2015 the Chapter successfully organized four administrative meeting, nine technical activities like workshops, visit and talk, and three membership drive activities. In order to value the knowledge, extend the networking and increase the members in 2016, the committee has launched a so called 4-in-1 event organization strategy with objectives to

1. Share knowledge and ideas within similar area of interest via technical seminar
2. Encourage people to join the chapter via membership drive activity
3. Extend practical exposure via visit to laboratories related to area of interest
4. Plan strategies for activities via committee meeting

This 4-in-1 activity take places as a one day event, starting in the morning with a meet and greet session with the hosting members. The event continues with the membership drive activity. This is the opportunity for the chapter to introduce Oceanic Engineering Society and to gain interest of the participants to join the society later on. The technical talk is the next agenda that follows. It is delivered by invited speakers who are also an IEEE OES Malaysia Chapter members. A one hour talk greatly provides a good platform of knowledge and idea sharing among participants. During this talk participants can listen to research exploration and findings made by the speaker. This helps in knowing the cutting edge technology as well as recent development in relation to oceanic engineering and marine sciences of other members. This is also an opportunity to know what other members are doing in this area.

The activity continues with a laboratory visit where participants can get a chance to see the activities that are been carried out at the hosting partner's lab. This enables to open opportunities for further research collaboration as members can plan for joint research especially if some of the facilities are available in the lab they visit but not at their own. The one day event ends with committee meeting where planning and execution for next activity is discussed.

The 4-in-1 event organization strategy provides benefit to members in many ways. Since all the members coming from various states in Malaysia travel to attend the activity, it requires time and financial commitment. Thus, compact multi objectives activity organised by the society helps to gain interest of members to come and join. As for 2016, the society has successfully conducted three series of activity of this kind listed below.

Apr 2016

Host: Malaysia Inst. of Marine Eng. & Technology (MIMET), University of KL

Speaker: Dr Ahmad Faisal Mohd Ayob (UMT)

July 2016

Host: Universiti Teknologi PETRONAS (UTP)

Speaker: Dr Zool Hilmi Ismail (UTM)

Sept 2016

Host: Universiti Pendidikan Sultan Idris (UPSI)

Speaker: Dr Khalid Isa (UTHM)



Visit to Malaysia Institute of Marine Engineering & Technology (MIMET), University of KL.

It is hope that this kind of activity can be done continuously every year. After successfully running the activity at the universities, it is aimed to run it at the industrial sector related to ocean engineering with a hope that many more industrial players will participate and join the activity and join the society.

**Assoc. Prof Dr. Rosmiwati Mohd-Mokhtar (SMIEEE)
Chair Mechatronic Program, School of Electrical & Electronic Engineering, Universiti Sains Malaysia**

IEEE Malaysia Section

TREES 2016

IEEE PES MALAYSIA CHAPTER

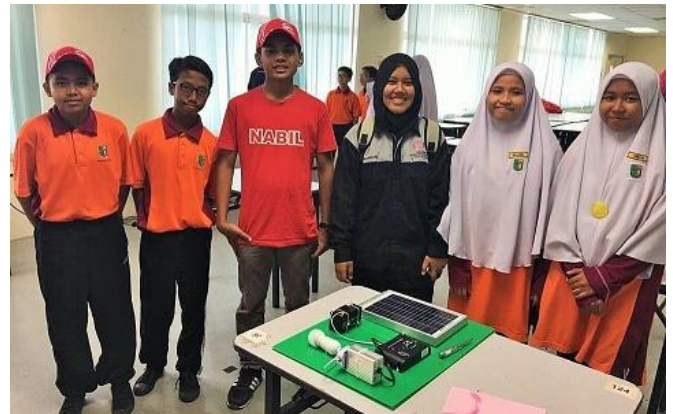
IEEE Power & Energy Society (PES) Malaysia Chapter in collaboration with the Solar Group Universiti Putra Malaysia (UPM), The Electrical and Electronics Association of Malaysia (TEEAM) and the Young Scientist Network-Academy of Sciences Malaysia (YSN-ASM) have successfully organized a one-day workshop called Transfer Renewable Energy & Electrical Safety (TREES) on 27th October 2016.

TREES is an educational outreach project with the purpose of promoting and educating school children from age 13-15 on the

fundamental theory of power engineering as well as on solar system development. Outcome of this workshop include a group's mini project on solar system development and installation and also provide awareness on electrical safety aspects. TREES received fund of USD5000 under the IEEE PES Member Driven Initiatives campaign.

This event also served as a platform for IEEE PES Malaysia members to interact with the students and instil the important role they can play in shaping the future of the nation.

The event commenced with a talk on the Importance of STEM and the Electric Safety, delivered by Associate Professor Dr Samsul Bahari Mohd Noor (UPM) and Professor Dr M. Iqbal Saripan (YSN-ASM Representative), respectively in the morning session. Before they were dismissed for their afternoon break, another one-hour session on the Electrical Safety Demonstration was conducted by the TEEAM personnel. The students showed very good response as this was a new experience for some of them. In the afternoon, a total of 67 students were grouped into 15 groups and led by one Facilitator. They were given briefing on the Solar PV system development before they were assign a task to complete the simple installation.



Students with their finished project.

**Zuhaina Zakaria & Norhafiz Azis
IEEE PES Malaysia Chapter**

Karachi Section

Building Humanitarian Engineering Skill Sets

At the tenth edition of IEEE Pakistan Student, Young Professionals and Women in Engineering Congress in Karachi, more than forty volunteers from universities across the three SIGHT Section Groups of the country, Islamabad, Lahore and Karachi, got involved in a SIGHT community engagement skill building workshop. The Congress venue for this year was the Foundation of Advancement of Science and Technology, National University of Computer and Emerging Sciences (FAST NUCES) from September 30th to October 1st, 2016.

This workshop was primarily aimed at developing the thought process among engineers for global development, especially while working on projects in SIGHT groups. The volunteers from all three Sections in Pakistan were very energetic participants of the workshop. The most important and valuable skill covered during the workshop was the "solution development process". The inspiration for this workshop was drawn from the highly successful Human Centered Design Toolkit of IDEO.org, and the Engineering for Global Development course offered by Engineering for Change (e4c).

Pakistan has a big youth bulge – around 60% of the population is young adults. It is important the young engineers in the country

have the skills and knowledge about how to tackle problems in our own backyard. We have to fix our energy crises and breakdowns in health systems,” said Hassaan Idrees, one of the trainers.

Two case studies from IDEO.org were used; one, the challenge to improve healthy food system and two, to develop social entrepreneurship. These case studies were given to the groups, who were then taken through an activity set of discussing the idea development phase, to the planning process, and to the SIGHT logic model. The activities included intense thinking and discussions using a number of tools like the PESTLE analysis, which incorporates pertinent issues from political, economic, social, technological, legal and environmental areas; risk analysis; budget development; and, project planning. The activity culminated in presentations by each team with their solutions, where they were grilled about the assumptions they made, and the solutions they proposed.



One participant, Hamza Baig, said “The event was a great experience; there was so much to learn. I suggest holding more of these workshops all over Pakistan.” On asking what could have been done differently in the workshop another participant, Muhammad Irfan Haider, said “We need to be practical in our thoughts and should do a site visit to different areas for which we are conducting a study.”

The workshop presented the attendees the opportunity to take the learning home, and implement them in more depth when working in their SIGHT Groups.

**Parkash Lohana and Hassaan Idrees (IEEE Karachi Section)
Amir Zahoor (IEEE Lahore Section)**

IEEE Islamabad Section

2nd NWPERI 2016

The Faculty of Engineering and Technology (FET) at International Islamic University, Islamabad (IIUI) organized the 2nd National Workshop on “Power Electronics with Renewable Integration” (2nd NWPERI) on 8th and 9th October, 2016 with the collaboration of IEEE IIUI Student Branch and IEEE IIUI WIE AG. The 2nd NWPERI 2016, was a product of phenomenal success of the 1st NWPERI 2014, and subsequently the momentous International Conference on Intelligent Systems Engineering (ICISE) held earlier this year in January.

2nd NWPERI 2016 invited reputed speakers from the prestigious engineering institutes of Pakistan. The workshop delivered comprehensive lectures on power electronic and provided opportunities to its young participants to meet with the experienced and highly qualified professionals where they shared knowledge and innovative ideas. This workshop covered the core contents regarding the Power Converters, its practical implementation, various switching techniques for multilevel inverters, the magnetic properties that need to be understood for designing the efficient converters, basic to advance level buck-boost converter techniques etc.

The workshop was aimed to train people associated with Electrical & Electronic Engineering and Industrial Electronics (final year undergraduate students, MS/PhD students, early career faculty members and researchers from national scientific organizations). The workshop also aimed to provide a unique platform to constitute a group in the area of Power Electronics and Advance Electronics for future interaction and collaborative research, focused on some of the important national level problems. The workshop resource persons were:

1. Prof. Nauman Ahmed Zaffar (Lahore University of Management Sciences)
Topic: Power Electronics, Electromagnetics of Power Converters, Optimal Designing of High Frequency Inductors and Transformers.
2. Dr. Syed Muhammad Raza Kazmi (National University of Science & Technology)
Topic: Practical Aspects in Power Electronic Circuit Design & Working Principles of Gate Driver Circuits.
3. Dr. Abdul Basit (University of Engineering & Technology (UET), Peshawar)
Topic: Power Electronics Facilitating Large Scale Wind Power Integration.
4. Engr. Tila Muhammad (International Islamic University, Islamabad)
Topic: Power Electronic Switch Implementation & Utilization in Multilevel Inverters.

The 2nd NWPERI 2016 was attended by 250 participants, which exceeded the expected number. The participants were not only the postgraduates and PhD students from the engineering institutes of Pakistan but there were many professionals from the defense organizations, industry and undergraduate students.

It is expected that the workshop was affluent enough in instilling the interest of Power Electronics among the students, researchers and engineers who attended it for the first time and also inspiring to pursue it for the future career.



The workshop will be followed by the National Innovative Idea Conference and 3rd NWPERI 2017

Saddaqt Ali

Chair, IEEE International Islamic University Student Branch, Islamabad, Pakistan

IEEE R10 Student Branches News and Highlights

WIE AG - University of Peradeniya SB

Technical Skills Development Programme

A workshop on 'Technical Skills Development' was organized by IEEE WIE University of Peradeniya Student Branch Affinity Group on 21st of September 2016 at Ramanathan Hall of Residence aiming non engineering female undergraduates. This was to develop engineering related technical skills of the university students, to improve the knowledge on electrical appliances, wiring, earthing, safety and simple repairs of appliances. About seventy-five students participated the workshop which was held as a half a day workshop under three sessions.

In the first session, a prototype of electrical installation circuit board which consisted of MCBs, RCCBs, Trip switches, radial circuits, ring circuits and an earthing system was shown. Then participants were instructed to identify each component and built a similar electrical installation system. The aim of this session was to let them learn about the components of the domestic circuit board, their uses and how to handle them with care. Also an introduction to safety controllers at home was given to all students.

During the second session, the students were educated about the ways of using electricity with care and to avoid fatal accidents and losses in their day to day lives as a mother and a house wife in the future. A valuable lecture was delivered on "Electrical Safety" by Mr Sanjeewa Gunathilaka, Sales Engineer at Kelani Cables PLC. He made the audience aware on how to avoid hazardous situations at home when using electric power for different appliances. The necessity of gaining knowledge on electricity was emphasized and students were encouraged towards it.



Mr . Sanjeewa Gunathilaka conducting the lecture

In the third session, students were divided into groups and few components were given to build a circuit with bulbs. They participated actively and competitively. The students were educated to adhere to good practices in using electrical appliances and to maintain a safe home for everybody. The huge enthusiasm of the participants and the support given by Kelani Cables PLC made the evening a huge success.

The support given by Kelani Cables PLC to conduct this workshop successfully for the benefit of non-engineering female undergraduates is highly appreciated. We would like to express our sincere gratitude to IEEE WIE R10 for the kind support extended through R10 WIE 2016 support funds. The commitments of Dr Maheshi Dissanayake, Advisor IEEE WIE AG SB UOP and Chairperson WIE Sri Lanka and the volunteers of IEEE WIE UOP were the basis for the success of the program.



Non-engineering undergraduate students getting hands-on safety training



Dr. Maheshi Dissanayake presenting token of appreciation to Dr. Sanjeewa Gunathilaka.

At the end of the programme, participants were fully educated and they had the ability of facing many challenges regarding electric appliances in daily life.

**Sachini Ekanayake, IEEE WIE Student Branch AG
University of Peradeniya, Sri Lanka**

Griffith University (Nathan Campus) IEEE SB

University of Queensland Solar Farm Field Trip

The IEEE Student Branch at Griffith University (Nathan Campus) started its activities with a new committee in February 2016. The SB held two events in first semester of 2016 and continued its activities in second semester of 2016 with a tour to University of Queensland solar farm and an event about Smart Buildings presenting the Sir Samuel Griffith Centre (N78) located at Griffith University.

The tour to UQ Solar farm in collaboration with Griffith school of engineering was conducted on 15 September 2016. The 3.275 megawatt Gatton Solar Research Facility comprises more than 37,000 thin-film photovoltaic panels, mounted on the campus' 10 hectare former airstrip. The GSRF contains a 3.275 MW CdTe array, bespoke Central Supervisory System, Data Hub, Research Building and Battery Storage Research Station. The installation provides about 40 percent of the Gatton Campus electricity, and during peak production exports into the local Lockyer Valley 11 kV network.

Total number of 56 students attended the tour. The tour started with a presentation about the facility by one of managers at the solar farm. Students had the chance to go to the solar farm and see how different types of solar arrays work in real environment. Dr Kaparaju and Dr Stegen explained the differences between

fixed mount systems, single axis and dual axis trackers to students.



UQ Solar Farm field trip

Smart Buildings: The Path Towards Future Cities: September 2016

Smart buildings are necessary for creating cities of the future. Such buildings are completely carbon and energy neutral and form self-sufficient nodes on distribution networks. Griffith University's Sir Samuel Griffith Centre forms the basis of smart buildings, with a large incorporated solar array powering the facility alongside Lithium batteries and Hydrogen-Metal Hydride serving as the primary energy storage systems alongside energy management systems for power distribution and control. The Sir Samuel Griffith Centre has been awarded a 6-star green star rating by the Green Building Council of Australia.



Sir Samuel Griffith Centre

The tour to Sir Samuel Griffith Centre was conducted on the 16th September 2016 from 5 to 6 pm with 33 guests from industry, members of public, university staff and IEEE student members. Professor Evan Gray and Dr. Alison Rice were requested to assist with the tour. Prof Gray presented technical aspects of Sir Samuel Griffith Centre and Dr Rice explained more about general aspects of the smart building. The seminar was followed by a building tour and refreshments.

For information about SB future events and activities, please contact by email (IEEEENathan@griffith.edu.au) or via Facebook page (www.facebook.com/GUIEEENathan).

Mojtaba Moghimi (m.moghimi@griffith.edu.au)
Chair IEEE SB Griffith University Nathan Campus

IEEE Students on Facebook



Connect with students around the world and get involved in IEEE student activities.

[View Facebook page](#)

WIE Affinity Group BSACET Mathura India

Women empowerment with Go Green Initiative

IEEE-WIE Affinity Group BSA College of Engineering and Technology, Mathura India organized a 1-day workshop on "Women Empowerment with Go Green Initiatives" on September 14, 2016. Head of institution Prof Shyam S. Agrawal inaugurated the event followed by the briefing about WIE and theme of the workshop by Branch Counsellor Prof Aseem Chandel.

WIE Affinity group advisor, Deepak Parashar delivered the theoretical aspects of Green working like Internet Banking, Soft Communications, and Internet Reservation etc. The Lecture session followed by a rigorous Lab session.

The girls from various colleges and universities participated in the workshop. The whole event was set up in multi objective scenario so as to have an impressive and desirable content and all the participants were given a participation certificate and a workshop Kit.

The girls from various colleges and universities participated in the workshop. The purpose of the workshop was to make them familiar with the soft skills and protect the environment with the effective use of technology. The whole event was set up in multi objective scenario so as to have an impressive and desirable content and all the participants were provided the participation certificate and a workshop Kit.



Student Branch Counsellor Prof Aseem Chandel concluded the event and added that the workshop will strengthen the female community so as to go ahead in their lives and at the same time he motivated an eco-friendly working to save the environment.

All the WIE officers, bearers and member contributed with a great enthusiasm to make the event successful.

Technical Symposium on Publication Ethics, Energy and Environment

IEEE MTTs Student Branch Chapter BSA college of Engineering and Technology Mathura India conducted a one-day technical symposium on "Publication Ethics, Energy and Environment" followed by award ceremony of various events organized by IEEE Student Branch and Microwave Theory techniques Student Branch Chapter.

In the event the expert talks were delivered by Prof. S.N. Singh (Professor in Electrical Engineering, IIT Kanpur) and Professor J. Ram Kumar (Chairman IEEE UP Section and Professor in Mechanical department, IIT Kanpur).

Prof Singh delivered his outlook on "Publication Ethics" and a brain storming session on Electrical Engineering". He discussed some of the recent issues associated with the present scenario of electricity. Professor S.N. Singh also shared the publication ethics and issues related to the conference and Journal publications. Prof J. Ram Kumar gave an expert talk on "Green

Future” and discussed many ideas and future scope related to the solar energy. The technical talks followed by the valedictory session along with the award Ceremony of various events organized under the Student Branch and Chapters of BSACET. Around ten to fifteen awards were presented to the participants for their performances in various activities. Branch Counsellor Dr Aseem Chandel delivered a motivational talk to enhance the Branch size by attracting more students for 2017 membership.



Eventually, the whole program was completed with an enthusiasm and also with a bunch of knowledge transferred.

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

APU SB, Malaysia

IEEE MALAYSIA STUDENT CONGRESS

With great pleasure and pride, we would like to share that the 2016 IEEE Student Congress organized by APU IEEE Student Branch in collaboration with IEEE Malaysia Section on 15th October at Asia Pacific University of Technology and Innovation, Technology Park Malaysia, was a great success.

The Congress was an overwhelming success, attracting 200 participants from all IEEE Student Branches in Malaysia, speakers and researchers from different parts of the country and provided great intellectual and social interaction for the participants. A large group of students, researchers and well-known experts in their respective fields from National Universities of Malaysia participated in the congress. This huge cross-disciplinary event provided a networking platform for all IEEE Student Branches in Malaysia and educated the students about IEEE, affinity groups, community services, funding opportunities and career building. The research collaborations and exchange of ideas among peers were among the highlights of this congress.

Other events like 3rd IEEE Malaysia Final Year Project (FYP) Competition which includes cash prizes, plaques and certificates for the winners from 13 different tracks, “Grab the Prize” and “Infographics” competitions were among the highlights of the student congress.



Ibrahim Waheed
Chair, APU IEEE Student Branch, Malaysia

Call for Papers

16th IEEE International Conference on Electro Information Technology

The 16th IEEE International Conference on Electro Information Technology (eit2017) is being organized in cooperation with IEEE Communication Society, IEEE Power and Energy Society, IEEE Nebraska Section, IEEE Computer Society Nebraska Chapter, University of Nebraska College of Engineering, and the University of Nebraska Medical Center in Lincoln, May 14-17, 2017. The 7 tracks part of this conference with the URLs for 6 are:

[Advances in Modeling and Simulation in Health Sciences](#)
[Emerging issues in communication systems,](#)
[Signal processing and bioinformatics](#)
[New and innovative methods and technologies in power and energy systems](#)
[Computer and software engineering](#)
[Engineering and computer science education and continuing workforce development](#)

Automotive system engineering

The deadline for submitting a full manuscript has been extended to January 29. All the submissions will be peer reviewed for the quality and originality. The URL [eit2017](#) provides an overall information about the conference and all its tracks. Please consider submitting your paper(s) before the deadline to the track of your choice.

Jerry Hudgins, PhD, eit2017 Program Chair
Professor and Chair, Dept. of ECE, UNL

Dear Researchers,

Greetings from ICBDACI 2017

The International Conference on International Conference on Big Data Analytics and Computational Intelligence (ICBDACI – 2017) will be held at Chirala Engineering College (CEC), Chirala, Andhra Pradesh, India from 23rd to 25th March 2017, technically co-sponsored by IEEE CIS, USA.

CEC offers FREE accommodation in beach resorts for foreign delegates, First-come-first-serve basis. CEC extends hostel facility for 100 male and 30 female delegates per day, first-come-first-serve basis on nominal charges for Indian delegates.

All are invited to submit the papers. All accepted and presented papers will be published in IEEE Xplorer. Last date for papers submission is 31st January, 2017.

Details are available at: <http://icbdaci-conference.org> Or for more details contact: chair@icbdaci-conference.org

With Regards,

Niranjan
General Chair ICBDACI - 2017

Upcoming IEEE Conferences in Region 10

17th Australian Communications Theory Workshop

(AusCTW) 18 - 20 January 2017

Location: Canberra, Australia

Poster submission deadline: 9 January 2017

<http://ausctw2017.org>

2017 International Conference on Information, Communication, Instrumentation and Control (ICICIC), 17 - 19 Aug 2017

Location: Medi-Caps University, Indore, India

Full Paper Submission deadline: 31 Mar 2017

Final submission deadline: 15 Jun 2017

Notification of acceptance date: 31 May 2017

URL: icicic.medicaps.ac.in

2017 13th IEEE Conference on Automation Science and Engineering (CASE 2017), 20 - 23 Aug 2017

Location: Xi'an, China

Full Paper Submission deadline: 08 Feb 2017

Final submission deadline: 12 Jun 2017

Notification of acceptance date: 11 May 2017

www.case2017.org/

2017 24th Congress of the International Commission for Optics (ICO), 21 - 25 Aug 2017

Location: Keio Plaza Hotel, Tokyo, Japan

Abstract submission deadline: 03 Mar 2017

Full Paper Submission deadline: 03 Mar 2017

Final submission deadline: 03 Mar 2017

Notification of acceptance date: 09 May 2016

URL: ico24.org

2017 9th International Conference on Intelligent Human-Machine Systems and Cybernetics (IHMSC), 26 Aug - 27 Aug 2017

Location: ZIJINGANG International Hotel, Hangzhou, China

Abstract submission deadline: 25 Mar 2017

Full Paper Submission deadline: 10 Apr 2017

Final submission deadline: 20 May 2017

Notification of acceptance date: 10 May 2017

URL: ihmsc.zju.edu.cn/index.html

2017 2nd IEEE International Conference on Intelligent Transportation Engineering (ICITE), 01 - 03 Sep 2017

Location: Nanyang Technological University, Singapore

Abstract submission deadline: 10 May 2017

Full Paper Submission deadline: 10 May 2017

Final submission deadline: 30 Jun 2017

Notification of acceptance date: 10 Jun 2017

URL: www.icite.org

2017 International Conference on Simulation of Semiconductor Processes and Devices (SISPAD), 07 - 09 Sep 2017

Location: Kamakura Prince Hotel, Kanagawa, Japan

Abstract submission deadline: 03 Apr 2017

Final submission deadline: 30 Jun 2017

Notification of acceptance date: 31 May 2017

URL: sites.google.com/site/sispad2017/

2017 IEEE International Conference on Signal and Image Processing Applications (ICSIPA), 12 Sep - 14 Sep 2017

Location: Kuching, Malaysia

Abstract submission deadline: 15 Mar 2017

Full Paper Submission deadline: 15 Mar 2017

Final submission deadline: 15 Jul 2017

Notification of acceptance date: 15 May 2017

URL: spsocmalaysia.org/icsipa2017/

2017 6th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO), 20 Sep - 22 Sep 2017

Location: Amity University Uttar Pradesh, Noida, India

Full Paper Submission deadline: 20 Jul 2017

Final submission deadline: 25 Aug 2017

Notification of acceptance date: 15 Aug 2017

URL: amity.edu/aiit/icrito2017/

2017 IEEE 12th Nanotechnology Materials and Devices Conference (NMDC), 02 Oct - 04 Oct 2017

Location: Holiday Inn Atrium, Singapore

Abstract submission deadline: 15 Jun 2017

Full Paper Submission deadline: 31 Oct 2017

Final submission deadline: 15 Dec 2017

Notification of acceptance date: 31 Jul 2017

URL: ieeenmdc.org/nmdc-2017/

2017 IEEE 3rd Information Technology and Mechatronics Engineering Conference (ITOEC), 03 Oct - 05 Oct 2017

Location: Chongqing, China

Abstract submission deadline: 10 Jun 2017

Full Paper Submission deadline: 15 Jun 2017

Final submission deadline: 20 Jul 2017

Notification of acceptance date: 10 Jul 2017

URL: www.itoec.org

2017 1st International Conference on Intelligent Systems and Information Management (ICISIM), 05 - 06 Oct 2017

Location: Aurangabad, Maharashtra, India

Abstract submission deadline: 15 Dec 2016

Full Paper Submission deadline: 31 Dec 2016

Final submission deadline: 28 Feb 2017

Notification of acceptance date: 16 Jan 2017

URL: icisim.jnec.org

2017 IEEE 19th International Conference on e-Health Networking, Applications and Services (Healthcom), 12 Oct - 15 Oct 2017

Location: Dalian, China

Full Paper Submission deadline: 01 Jul 2017

Final submission deadline: 30 Aug 2017

Notification of acceptance date: 30 Jul 2017

URL: healthcom2017.ieee-healthcom.org/

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

URL: www.itw2017.org

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Dr Zia Ahmed, Professor Wu Qun, Dr Golnar Khomami