IEEE R10 TODAY

IEEE REGION 10 NEWSLETTER

IEEE

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CONTENTS

WELCOMING MESSAGES

Message from IEEE Region 10 Director

Dear all IEEE Region 10 Members,

Though we had a great start of the year 2020 with Prof. Toshio Fukuda, the first IEEE President from Region 10, neither I (nor probably any of you) imagined the difficulties of the situation we now find ourselves in caused by the outbreak of COVID-19.

We held a successful IEEE Region 10 Executive Committee Meeting in Queenstown, New Zealand, in early January, but I had to cancel our "IEEE Region 10 Meeting" scheduled to be held at Ho Chi Minh City on 7th - 8th March. Instead, on 7th March we participated in a virtual WebEx meeting. Since it is challenging for members to concentrate online for a full day, we restricted our meeting time to just seven hours (including lunch and afternoon tea breaks).

Thanks to a dry run a few days before and to excellent technical and procedural support from IEEE HQ, I believe we had a good meeting, although some may not have been one hundred percent satisfied. I understand that we need the type of discussion available face-to-face, but please do accept my apologies during this crisis mode. To recoup hotel cancellation fees, Deepak Mathur, the next Region 10 Director, has scheduled our Region 10 Meeting for the identical hotel in Ho Chi Minh City.

As the 15th May 2020 "IEEE VICS and Honors Ceremony" has likewise been canceled, it is possible that the COVID-19 pandemic may also affect our annual flagship conferences and even our biennial "SYWL Congress". The Organizing Committees have excellent contact with local authorities, as well as with IEEE HQ, the R10 Office, etc. We shall determine whether or not to hold these events as the year unfolds, with paramount attention to all members' safety and well-being. Online conferences may be an option. IEEE is the world's largest technical professional organization, and our technological savoir-faire is bound to help mitigate any issues that arise out of present constraints.

At the Board of Directors meeting in February, the elevation of the "Vizag Bay Subsection" to Section status, the establishment of a new "Laos Subsection" directly under Region 10 and a "Quetta Subsection" under the Karachi Section were all approved. Note that Region 10 now comprises 59 Sections and 36 Subsections. We are a big family, the biggest of all 10 IEEE Regions. That is one reason why we have been discussing Regional realignment at Board level. I hope to see increased diversity at all levels of IEEE going forward.

As you know IEEE has adopted a New Diversity Statement, but in fact there are further improvements to be made. Nonetheless, I am convinced that Region 10 can provide a model of diversity. As always your enthusiastic participation in as many of our varied IEEE activities as possible will be greatly appreciated.

In the meantime, stay safe and healthy!

With warmest regards,

Akinori Nishihara
IEEE Region 10 Director

Message from IEEE Region 10 Newsletter Coordinator

Dear Region 10 Members,

It is my pleasure to welcome you to the second edition of IEEE Region 10 Newsletter for 2020. This edition features special reports on the 2020 IEEE Region 10 Executive Committee Meeting in Queenstown, New Zealand and the virtual 2020 IEEE Region 10 Annual General Meeting. The 2020 AGM was initially planned to be held in Ho Chi Minh City, Vietnam, but due to the COVID-19 outbreak, it was changed to be virtual meeting instead. This is the first time the R10 AGM has to be conducted virtually, and IEEE Region 10, with the help of IEEE Meetings, Conferences and Events (MCE) team, successfully carried out the virtual meeting.

As has been the practice since last year, the newsletter continues the *Personalities of the Month* and *Organizational Units of the Month* column, where we are fortunate to have another five Region 10 personalities as well as five Region 10 organizational units contributing to the column. I am very grateful for all the invited personalities and units for taking some time off their busy schedule to prepare high-quality articles that can benefit all Region 10 members. I hope to continue receiving similar supports from other members and units when we approach them for future editions.

We have also received more than 35 activity submissions from various organizational units for inclusion in this newsletter issue. We would like to thank all these units for their contribution to this newsletter. A special interview with IEEE R10HTC2019 contest winners is also featured. Besides, there are also several articles on the recently concluded conferences sponsored by various Region 10 units. Finally, I would also like to thank the R10 Committee Chairs for providing highlights on their committee's activities and plan as part of the R10 Meeting Special Report.

Besides regular release of newsletter, the plan for the newsletter team for this year includes preparing the web newsletter version, and increased visibility through social media marketing. For this, we have expanded our team to include two more members: Naila Mukhtar and Nabeel Ahmed Masoodi, whose short biographies are available in the next page. A special thanks to all our existing and new R10 newsletter committee members for their incredible efforts in preparing this edition. And thanks again all of you for your support. Wishing you for a very exciting 2020 ahead, and stay safe amid the COVID-19 outbreak.

Mohammad Faizal Ahmad Fauzi
Chair, IEEE R10 Newsletter Committee

2020 Newsletter Committee

Committee Member	Portfolio
Mohammad Faizal Ahmad Fauzi	Chair/Chief Editor
Prashant R. Nair	Editor
Shaikh A. Fattah	Editor
Redwan Ferdous	Editor
W. M. W. Sharika Jayalath	Editor
Mohd Naim bin Mohd Ibrahim	Webmaster/ Social Media
M Naila Mukhtar	Webmaster/ Social Media
Nabeel Ahmed Masoodi	Graphic Designer/Social Media

Mohd Naim bin Mohd Ibrahim

Mohd Naim bin Mohd Ibrahim is an IT Officer at Ministry of Home Affairs, Malaysia. He currently is a team member of Special Task Force which manage procurement and specification requirement for next Malaysia immigration system. Mohd Naim was a committee of IEEE Region 10 (Asia Pacific) Electronic Communications and Information Management, executive committee for Public Sector System Analyst Association (PERJASA), and currently a webmaster for Putrajaya Professional Cooperation Berhad (KOPROJAYA) and webmaster for IEEE Malaysia Section and various conferences. He has been invited by various organization to deliver training for social media awareness, marketing and management such as Ministry of Home Affairs, Institute of Medical Research (IMR), Public Service Department (JPA) for DPA course and others.

M Naila Mukhtar

M Naila Mukhtar is currently doing PhD from Macquarie University Australia. She has over five years' experience in industry and her research interests include Embedded System Security, Artificial Intelligence, Cryptography and Information Security. Currently, she is serving as Webmaster and social media coordinator of IEEE Region 10 Newsletter, Chair IEEE New South Wales (NSW) Women in Engineering (WIE) Affinity Group (AG), Vice-Chair IEEE Computer Society NSW Chapter and Treasurer IEEE NSW Young Professionals Affinity Group. She has actively participated in various technical and non-technical conferences and hosted/co-hosted the WIE track receptions, including Tensymp2018, ANZSCON 2017, IEEE WIE International Leadership Summit Brisbane, and Macquarie University Leadership Summit. She has collaboratively organized prolific events to support students and young professionals, promote gender diversity and inclusion, and professional development. She was the recipient of Macquarie University Best Student Services award (2018), and IEEE WIE Inspiring Student Member of the year award (2019).

Nabeel Ahmed Masoodi

Nabeel Ahmed Masoodi is an undergraduate student in Electronic Engineering. He is 19 years old and lives in Karachi, Pakistan. He is working as the Head of Media in IEEE Dawood University of Engineering and Technology (DUET) Student Branch. It has been a year since he started Graphic Designing, and he also has interest in robotics. He has learned C, Java and Python and like to learn more to achieve one of his goal to become a full-stack developer. He has also enrolled in many different courses such as Internet of Things, Artificial Intelligence, Ethical Hacking and WordPress. He is looking to start freelancing soon.

SPECIAL REPORTS ON IEEE R10 MEETING

1. SPECIAL REPORTS ON IEEE R10 MEETING
2020 IEEE Region 10 Executive Committee Meeting

2020 IEEE Region 10 Executive Committee Meeting
11 January 2020, Queenstown, New Zealand

IEEE Region 10 Executive Committee held their 2019 meeting on 11th January 2020 at Crowne Plaza Queenstown Hotel, Queenstown, New Zealand. The meeting was hosted by the IEEE New Zealand South Section, and attended by all the executive committee members of IEEE Region 10 for the year 2020 (refer Table 1). There are only two changes in the committee from the 2019 lineup; Jong Chang Yi replacing So Young Kim as the R10 History Committee Chair, while Rajendra K. Asthana replacing S.V. Sankaran as the R10 Life Members Committee Chair. A total of 28 members attended the meeting. Due to visa issues, Parkash Lohana (R10 Membership Development Committee Chair) and Huynh Thi Thanh Binh (R10 Student Activities Committee Chair) joined the meeting via video conferencing.

The one-day meeting started with pre-meeting during breakfast led by the three Vice-Chairs (VC); Takao Onoye (VC Professional Activities), Sri Niwas Singh (VC Technical Activities) and Zia Ahmed (VC Membership Activities). This was followed by the formal meeting, which started at 8.30am and concluded at 5.15pm. Andrew Lapthorn, Chair for the IEEE New Zealand South Section gave his

welcoming remark to all the committee members, followed by the address by R10 Director, Akinori Nishihara, which summarized the Region's activities and achievements in 2019 and plan for 2020.

Throughout the meeting, activities and plans were presented and were due for review and approval at R10 AGM scheduled on 7th March 2020. This included the presentation by all committee chairs (grouped into and led by the three Vice-Chairs), financial report, meeting calendar, advisory and nomination, as well as plans for 2020 R10 Annual General Meeting (Ho Chi Minh City, Vietnam) and 2020 Sections Congress (Ottawa, Canada). Two items which would be further discussed and voted during the R10 AGM, the proposed region alignment and R10 e-Notice fee, were presented by the Director and Secretary, Takako Hashimoto, respectively. The day concluded with a networking dinner at the Public Kitchen restaurant, not far from the hotel.

Table 1: IEEE Region 10 Executive Committee 2020

	Region 10 Operations Committee	
1	**R10 Director**	Akinori Nishihara
2	**R10 Past Director**	Kukjin Chun
3	**R10 Director Elect**	Deepak Mathur
4	**R10 Secretary**	Takako Hashimoto
5	**R10 Treasurer**	Seishi Takamura
6	**R10 Vice-Chair of Membership Activities**	Zia Ahmed
7	**R10 Vice-Chair of Technical Activities**	Sri Niwas Singh
8	**R10 Vice-Chair of Professional Activities**	Takao Onoye
	Region 10 Larger EXCOM	
9	**R10 Awards & Recognition Committee Chair**	Elmer Dadios
10	**R10 Conference & Technical Seminar Committee Chair**	Michael, Ling Chuen Ong
11	**R10 Educational Activities Committee Chair**	Chun Che (Lance) Fung
12	**R10 Information Management Committee Chair**	Kurnianingsih
13	**R10 History Committee Chair**	Jong Chang Yi **New**
14	**R10 Humanitarian Technology Activities Committee Chair**	Jing Dong
15	**R10 Industry Relations Committee Chair**	Gwo Giun (Chris) Lee
16	**R10 Life Members Committee Chair**	Rajendra K Asthana **New**
17	**R10 Membership Development Committee Chair**	Parkash Lohana
18	**R10 Newsletter Committee Chair**	Mohammad Faizal Ahmad Fauzi
19	**R10 Professional Activities Committee Chair**	Nirmal Nair
20	**R10 Section & Chapter Committee Chair**	Supavadee Aramvith
21	**R10 Strategic Planning Committee Chair**	Byung-Gook Park
22	**R10 Student Activities Committee Chair**	Huynh Thi Thanh Binh
23	**R10 Student Representative**	Saaveethya Sivakumar
24	**R10 Women In Engineering Committee Chair**	Emi Yano
25	**R10 Young Professionals Committee Chair**	Takuo Suzuki
26	**R10 Advisory Committee**	Lawrence, Wai Choong Wong
27	**R10 Advisory Committee**	Toshio Fukuda
28	**R10 Advisory Committee**	Ramakrishna Kappagantu

2020 IEEE Region 10 Annual General Meeting

Due to the potential public health risks and uncertainties associated with the COVID-19 pandemic, the 2020 Region 10 Annual General Meeting, initially scheduled to be held at the Lotte Legend Saigon Hotel in Ho Chi Minh City, Vietnam on 7th & 8th March 2020, was cancelled and replaced with a one-day virtual meeting instead. The virtual meeting was conducted via WebEx on 7th March 2020, with the help from IEEE Meetings, Conferences & Events (MCE) team in New Jersey, USA. Besides the Executive Committees and Section Chairs from Region 10, which itself spans members from eight different time zones, the meeting was also joined by IEEE President, Toshio Fukuda; IEEE Executive Director, Stephen Welby; IEEE Vice-President MGA, Kukjin Chun; MGA Managing Director, Cecelia Jankowski; as well as 2021 IEEE President-Elect Candidates, K. J. Ray Liu (University of Maryland, College Park, USA) and S. K. Ramesh (California State University, Northridge, USA). To ensure a smooth proceeding of the meeting, a 2-hour dry run session was conducted on 4th March 2020. Despite some minor hiccups, the virtual meeting went smoothly, started at 9.30am and concluded at 5.00pm Japan Standard Time, with over 100 participants.
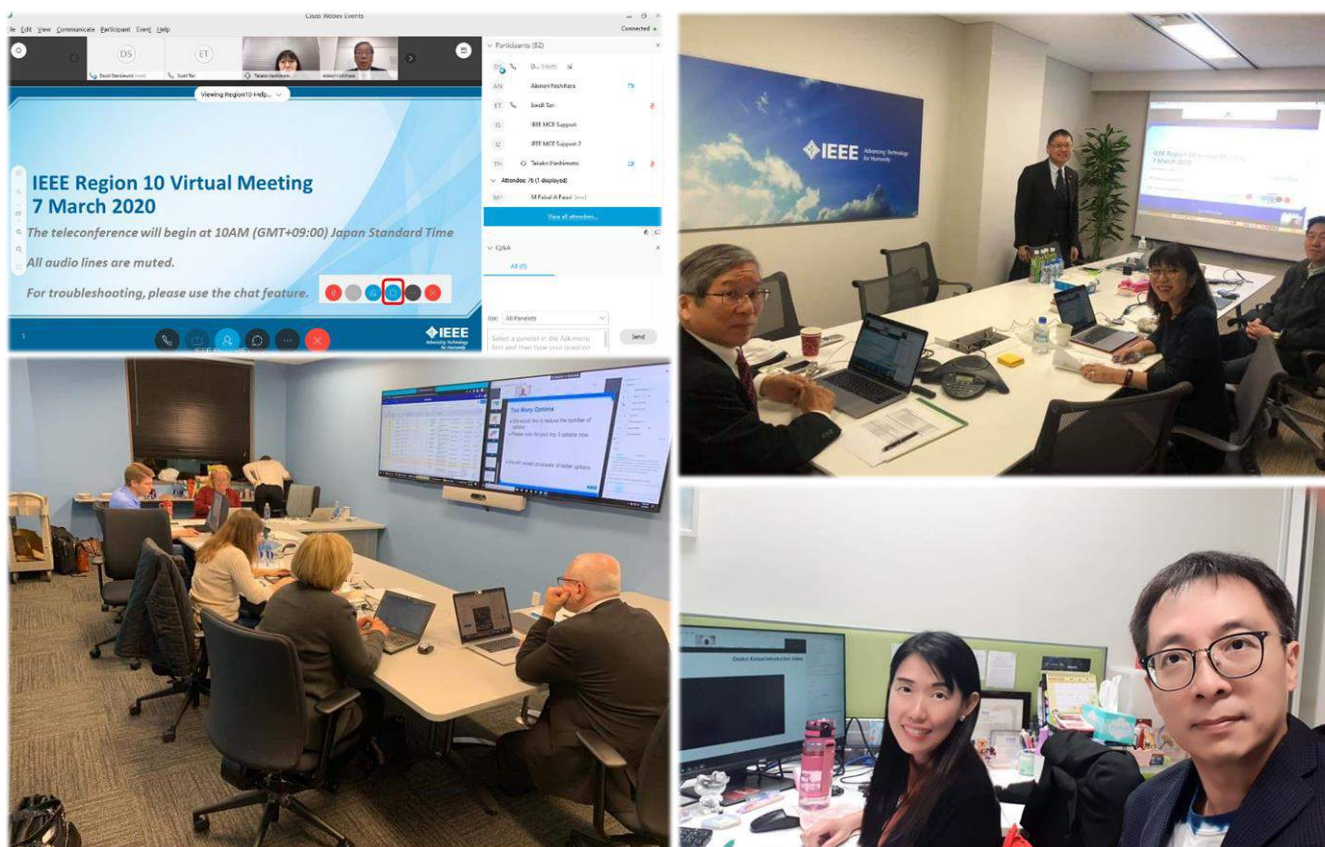
The meeting started with a roll call by the Secretary, Takako Hashimoto, followed by a welcome address by the Director, Akinori Nishihara. After brief addresses by IEEE President, IEEE Executive Director, IEEE Vice President MGA, and Managing Director MGA, the Director presented the Section Incentive Scheme and the proposed Region Re-alignment for discussion. The Director briefed that discussion on IEEE region re-alignment started in March 2018 to improve diversity at Board level. The total number of Regions has to be kept at 10, and after the Governance Committee denied having 2 Directors in a Region, the only option left was to split or merge existing Regions. Eleven options were presented, with the Section Chairs and Executive Committees asked to select their top 3 preferences through online form (the list of alignment options can be obtained from the Regional Realignment poster below).

Then Takako Hashimoto presented a motion on R10 e-Notice Fee. The motion was put forward as a way to avoid mailbox flooding of IEEE R10 members. The motion was discussed and subsequently approved with some changes. Ramakrishna Kappagantu then chaired a discussion session between the delegates and the 2021 IEEE President-Elect Candidates, K. J. Ray Liu and S. K. Ramesh. The election statement for both candidates is attached in Page 45-47 of this newsletter. In the afternoon session, the meeting continued with presentations by the three R10 Vice-Chairs on their activities and plans, financial reporting and budget by the Treasurer, as well as updates on 2020 Sections Congress. Nominations and Advisory Committee Chair, during his presentation informed the candidates for 2020-2021 Director-Elect: Lance Fung (Australia), Norliza Noor (Malaysia) and Supavadee Aramvith (Thailand). The rest of the afternoon session focused on the reports and updates from the region's three flagship conferences (TENCON, TENSYMP, HTC) for the 2019, 2020 and 2021 editions, as well as SYWL2020 Congress.

Despite the virtual nature of the meeting, every R10 Committee Chair was asked to prepare a poster for their activity reports and plans, to be uploaded to IEEE Collaboratec® for Virtual Q&A. All posters can be accessed through the links below, and important messages from some of the posters are highlighted in the next Section.

Posters	Committee In-Charge
R10 Director – Regional Realignment	Akinori Nishihara
R10 Vice-Chair of Membership Activities	Zia Ahmed
R10 Vice-Chair of Professional Activities	Takao Onoye
R10 Vice-Chair of Technical Activities	Sri Niwas Singh
R10 Awards & Recognition Committee Chair	Elmer Dadios
R10 Conference & Technical Seminar Committee Chair	Michael Ong
R10 Educational Activities Committee Chair	Chun Che, Lance Fung
R10 History Committee Chair	Jong Chang Yi
R10 Humanitarian Technology Activities Committee Chair	Jing Dong
R10 Industry Relations Committee Chair	Gwo Giun (Chris) Lee
R10 Information Management Committee Chair	Kurnianingsih
R10 Life Members Committee Chair	Rajendra K Asthana
R10 Membership Development Committee Chair	Parkash Lohana
R10 Newsletter Committee Chair	Mohammad Faizal Ahmad Fauzi
R10 Professional Activities Committee Chair	Nirmal Nair
R10 Section & Chapter Committee Chair	Supavadee Aramvith
R10 Strategic Planning Committee Chair	BG Park
R10 Student Activities Committee Chair	Binh H T Thanh/S Sivakumar
R10 Women In Engineering Committee Chair	Emi Yano
R10 Young Professionals Committee Chair	Takuo Suzuki
Sections Congress 2020 R10 Coordinator	BG Park

With this successful virtual meeting, IEEE Region 10 truly leverages on its motto "Advancing Technology for Humanity".

Conference and Technical Seminar

Michael Ong, IEEE Region 10 Conferences and Technical Seminar Chair

The Conference and Technical Seminar Committee has the following activities planned for 2020:

1. Monitor R10 flagship conferences, provide information and assistance to conference organizers and liaise with IEEE MCE on issues related to conferences.
2. Organize conference leadership programs and R10 POCO workshops for conference organizers, and working with other regional CTS coordinators for best practices.
3. Provide updates on emerging technologies most relevant to our economic activities and most beneficial to the professional development of our members through technical seminars.

This year Region 10 flagship events will be held in the following cities:

- ❖ TENSYMP2020 – Dhaka, Bangladesh, 5th – 7th June 2020
- ❖ TENCON2020 – Osaka, Japan, 16th – 19th November 2020
- ❖ R10HTC2020 – Kuching, Malaysia, 1st – 3rd December 2020
- ❖ SYWL2020 – Bangkok, Thailand, 24th – 27th September 2020

We are also pleased to announce the following organizational units have been awarded the 2021 R10 flagship conferences:

- ❖ TENSYMP2021 – Seoul Section
- ❖ TENCON2021 – New Zealand North Section
- ❖ R10HTC2021 – Bangalore Section

Professional Activities

Nirmal Nair, IEEE Region 10 Professional Activities Chair
Web: http://pa.ieeer10.org   email: ieeer10pac@ieee.org

We would like to share with members the overall objectives and 2020 project directions of R10 Professional Activities Committee (PAC). Our objectives are: (1) Maintain and enhance members' lifelong employability and career prospects, (2) Enhance the R10 PA process and leadership for professional activities, (3) Support R10 versions of SMARTECH/HARDTECH & IEEE Future Directions workshops, (4) Design events for members interested in reaching out for Government Activities & Technical Policy Activities.

The 2019 activity report can be obtained at the link below:

https://www.ieeer10.org/wp-content/uploads/2020/03/2020-PAC-Nirmal-Nair.pdf

Our planned projects/tasks for 2020 are:

- R10 PA Challenge – Invite proposals for initiatives targeted like lifelong learning (non-technical), communication/public speaking skills, developing consultant database etc. particularly for long-term members (**watch out for the Call for Proposals soon**).
- Encouraging R10 sections for having a PACE coordinator and develop annual activity calendar.
- SMARTECH/HARDTECH or IEEE Future Direction stand-alone workshops for enhancing R10 members' career and life-long learning needs.
- To have PA tracks or activities during R10 conferences like TENCON, TENSYMP and R10HTC.

Educational Activities

Lance Fung, IEEE Region 10 Educational Activities Chair

The 2020 IEEE EAC Plan was presented at the recent IEEE R10 Virtual meeting on 7th March 2020. A copy of the poster summarizing the 2019 report and 2020 plan can be found at: https://www.ieeer10.org/wp-content/uploads/2020/03/2020-EAC-Lance-Fung.pdf

Four projects have been proposed and approved:
1. Call for 2020 EAC New Innovative Challenge - Support for up to 10 projects will be provided and the focus has to align with the MGA, EAB goals and the IEEE 2020-2025 Strategic Plan on Life-Long-Learning.
2. Call for 2020 EA Awards to acknowledge and recognise the contributions made by outstanding individuals and groups towards EA within the Region.
3. EA Awareness Sessions will be organised in the forms of Webinar and forums in R10 Flagship events.
4. EA and TISP workshops are encouraged and will be supported by R10 EAC budget. Please contact Emeritus Professor Lance Fung for any queries at Lanceccfung@ieee.org.

Industry Relations

Chris Lee, IEEE Region 10 Industry Relations Chair

The vision of the Industry Relations Committee (IRC) is to provide leadership in bridging industry and academia. Our mission is to cross pollinate between industry and academia to foster innovation, internship & entrepreneurship. With good experiences accumulated in innovating industry forums in 2019, IRC should further extend to foster internship and entrepreneurship in 2020. With the theme for this year being "**Human-Centric: Thriving for Health & Wellness in Balancing Mind Body Soul**," we have proposed to extend our experience in IEEE TENCON2019 to TENCON2020 in Osaka, Japan and IEEE HYDCON in Hyderabad, India for the organization of one-day Special Industry Track. A half-day special industry track should also be organized in our biannual SYWL congress in Bangkok, Thailand. Furthermore, industry forums shall also be organized in IEEE R10HTC2020 in Kuching, Sarawak, Malaysia and IEEE Life Science Workshop in Tainan, Taiwan.

Humanitarian Activities

Jing Dong, IEEE Region 10 Humanitarian Technology Activities Chair

The IEEE R10 Humanitarian Activities Committee (HAC) provides multiple opportunities for IEEE individuals and organizational units (OUs) to apply for and receive funding for projects, events, and conference participation support and awards to encourage our members to contribute for humanitarian activities. In 2019, the R10 HAC supported 2 projects for the HAC proposal competition (TENHUMCH 2019) and 3 regional HAC event activities. We also awarded the R10 HTA Outstanding Volunteer Award to Ms. Celia Shahnaz from Bangladesh Section and the R10 HTA Outstanding Section Award to Pune Section.

We would like to share our overall project directions in 2020 with all members and encourage submissions on time. Among our projects for 2020 are:

- R10 HAC Initiate Program Supporting Fund: Inviting proposals supporting impactful humanitarian activities at the regional and local level. The goals for this supporting fund is to connect with R10 Sections and Councils to interact with international HT-focused organizations and pre-design of R10 HTC for maximum activities for IEEE members and volunteers, promote and train volunteers, and networking/meeting of hundreds of members within R10. The proposals must demonstrate consultation with and a clear understanding of the needs of target communities, and demonstrate a needs-driven approach to strengthening local capacity through technology deployment. The R10 HAC committee will review all submissions and support the best proposal up to USD2000 per proposal.
- TENHUMCH2020 in R10 Flagship Conferences (such as R10HTC, TENCON, TENSYMP, SYWL): Proposals are encouraged to be submitted across sections as we encouraged before. Proposals also needs to demonstrate humanitarian-driven technology. USD1000 will be funded for each selected proposal. The R10 HAC committee together with R10 Flagship Conference TPC will review the submissions.
- Training Sections & Volunteers in HTA: Training/discussion will be made online or during conferences and IEEE mementos or certificates will be awarded for the best activity in the whole year.
- 2020 HAC Awards and Recognition: Implement and administer 2 categories of awards: 1) R10 Outstanding HAC Section Award and 2) R10 Outstanding HAC Individual Award to recognize significant work and projects done by IEEE R10 Sections and individual members.

Thank you for supporting R10 HAC!!!

Women in Engineering (WIE)

Emi Yano, IEEE Region 10 WIE Chair

Region 10 WIE promotes women involvement in STEM by enhancing networking, knowledge sharing and recognition of outstanding WIE achievement in R10. Our objectives are: (1) Promote women involvement in science and engineering in R10, (2) Facilitate the development of supporting program and activities of WIE in R10, (3) Enhance networking and knowledge sharing of WIE, (4) Recognize WIE's outstanding achievement in R10 and promote nominations for MGA awards from R10.

Among our projects for 2020 are:

1. **WIE Engagement Project**: We still have 14 sections without WIE Affinity Group in R10. WIE Engagement Program is aiming to promote R10 Section WIE Affinity Groups initiatives as well as WIE membership development and retention. We will support the establishment of new WIE Affinity Groups and motivate and guide less active or inactive groups in performing activities. We will also encourage and guide inactive WIE affinity groups and engage them in activities via networking and connecting with each other through R10 SYWL Congress, website and social media.
2. **WIE Change Makers**: Opportunities to attend WIE ILS (partial travel funding): We will offer partial travel funding to WIE volunteer members for attending IEEE WIE International Leadership Summit 2020 in Coimbatore (India), Lahore (Pakistan), Nagpur (India). This will provide opportunities for active volunteers to meet & learn from successful people, especially from women who have successfully built their careers. It is also hoped that attendees will take back the knowledge gained at the summits to implement best practices in their Sections, Student Branches, and Affinity Groups.
3. **WIE Visibility Enhancement through R10 Events:** We will promote networking, sharing of knowledge and launch new initiatives to support R10 WIE objectives through R10 flagship conferences. We will support WIE track at TENSYMP/TENCON/R10HTC and WIE track across sections.
4. **2020 IEEE R10 WIE Awards**: IEEE R10 WIE will identify outstanding WIE Affinity Groups, Student Branch WIE Affinity Groups and outstanding WIE volunteers (student/professional) for IEEE R10 WIE awards. 2020 R10 WIE awards are for activity/contributions during 2019.

Young Professionals (YP)

Takuo Suzuki, IEEE Region 10 YP Chair

Region 10 Young Professionals Committee support activities of YP Affinity Groups and strive for establishment of YP Affinity Groups in Sections that do not have one. It is important to increase the number of active YP volunteers to vitalize YP AGs and establish new YP AGs. So, we have set up the following projects for 2020 and continue to discuss other projects.

1. Construction of Sustainable R10 YP System
2. Support for Efficient Operation of YP AGs
3. Enhancement of YP-Industry Interaction
4. Synergy with Local Professional Societies

In the first project, we will request Council Chairs to build a position for YP volunteers as the Council YP Coordinator. Council YP Coordinators will support activities of YP AGs under their Councils and may organize nationwide activities with the help of their Councils. In the second project, we will support operations of YP AGs using the official website of R10 YP, the mailing list for YP AG Chairs, and on-site workshops that will be held at R10 flagship conferences.

In the third project, we will deepen the exchange with industry through SNSs to make the IEEE YP programs well-known. We hope we can find cooperative local industries and conduct technical tours along with R10 flagship conferences. In the fourth project, we will collaborate with the Chinese Institute of Electronics to organize a special session in order to introduce the IEEE YP Program to Chinese young researchers. This is a pilot study, but we hope this project leads to the establishment of YP AGs in China.

We believe that we need to provide YP Membership value not only for YP AGs but also for YP individuals, so if you have any ideas, please let us know.

Student Activities

Huynh Thi Thanh Binh, IEEE Region 10 Student Activities Chair
Saaveethya Sivakumar, IEEE Region 10 Student Representative

The Region 10 Student Activities Committee takes care of the needs of 45,000+ student members spread over 1250+ student branches in the Asia-Pacific region (R10) of the IEEE. The committee conducts regular and special activities for students to improve technical knowledge and management skills and to enhance networking among members and student branches.

Our objectives are: (1) Improve student engagement in IEEE R10 SAC activities, (2) Improve student member retention rate in R10, (3) Progress students to Young Professionals transitions.

We propose some projects which are given below:

1. Contests:
   * Postgraduate Paper Contest: Aims to improve the engineering students' written communication skills and reporting research results to science & technology community. The contest will facilitate the recognition of these skills and encourage other student members to develop technical, written and verbal communication skills.
   * Student Website Contest: Aims to motivate student volunteers to use electronic media.
   * Undergraduate Project Video Contest: Aims to improve the engineering students' communication and presentation skills to a wider online viewing community.
2. Awards: Three awards will be considered including IEEE Region 10 SAC Student Branch Award and IEEE Region 10 SAC Volunteer Award. The purpose of these awards is to recognize the work done by individual IEEE members in (a) their service to members and (b) increasing student membership by conducting activities beneficial to student members.
3. SAC Student Ambassador Program: To reach out to inactive sections/student branches locally via appointment of student ambassadors.
4. Joint SB Initiative: The initiative is targeted so that the newly revived student branches (SBs) will have guidance after revamping the committee in order to make it active.
5. Webinar Series: The topics focus on leadership, education and IEEE resources.
6. SAC Operation Manual: The Operations Manual for Section Student Activities Committee Chair and Student Representative issued by IEEE Region 10 SAC provides guidelines for Council/Section Student Activities Committee Chair (SAC Chair) and Council/Section Student Representatives (SSR) for conducting student activities, managing Student Branches and streamlining their operations. It can be accessed from http://bit.ly/R10SACnSSR.

IEEE Region 10
Student Activities Committee

The Region 10 Student Activities Committee takes care of the needs of 17,731+ student members spread over 1610 student branches in the Asia-Pacific region (R10) of the IEEE. The committee conducts regular and special activities for students to improve technical knowledge, management skills and to enhance networking among members and student branches.

Committee Members

Chair: Huynh Thi Thanh Binh

Advisor: Akinori Nishihara, Takako Hashimoto, Zia Ahmed   **Student Representative:** Saaveethya Sivakumar   **Secretary:** Shams Shad Islam Khan

Members: Rajesh Ingle, Pasan Pethiyagoda, San Murugesan, Alpha Agape, Yoshinobu Kajiwa, Jennifer Dela Cruz, Tran Minh Triet

Muzamil Mahmood | Peshan Sampath | Amesh Gomes | Md. Tauhidur Rahman

Supporting Committee
Members:
Honey Shirley Sabu
Gaurav S Sonawane
Syed Samak Hussain
Dilrukshi Gamage

Training and Webinar Committee
Members:
Tharushi Perera
Dimple Khilwani

Outreach Committee
Members:
Sheng How Kong
Thittaporn Ganokratanaa
Zheming Zuang

Media and Publicity Committee
Members:
Shartaz Khan Akash
Hasinthaka Eranga Hewapathirana
Reon Saji
Akarsh Ashok
Mehak Azeem
Mallellu Sai Prashanth
Janani.R
Pranav Raikote
Animesh Das

Student Members
Graduate Student Members
Student Branches
Student Affinity Groups
Student Branch Chapters

0   35   58   102   369   704   1149   1610   11585   17731

To see the R10 SAC operations manual scan this

OBJECTIVES
1. Improve student engagement in IEEE R10 SAC activities
2. Improve student member retention rate in R10
3. Reviving and Closing Student Branches
4. Progress Student to YP transitions

PROJECTS / TASKS

1. **Membership Development**
   - SAC Student Ambassador Program
   - R10 SAC and SSR Forum
   - Joint SB Initiative Fund
   - Membership Drives and Leadership Training Fund
   - R10 SAC and SSR Manual (Release of Issue 2)
2. **Webinar Series (Leadership & Educational)**
3. **Regular Activities**
   - R10 SAC Contests
   - R10 SAC Awards
4. **R10 SYWL Congress 2020**
5. **Support MGA SAC Awards and Contests**
   - LKW Regional Student Volunteer Award
   - Exemplary Student Branch Award
   - Global Website Contest

JULY 2020 — **AWARDS**

SYWL — SEPTEMBER 2020

OCTOBER 2020 — **CONTEST**

MEMBERSHIP DEVELOPMENT — OCTOBER 2020

NOVEMBER 2020 — **WEBINAR SERIES**

• The membership data stated above are based on February 2020.

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Life Member (LM)

Rajendra K. Asthana, IEEE Region 10 Life Member Committee Chair

2020 Region 10 Executive Committee meeting was held in Queenstown, New Zealand on 11th January 2020. Few highlights for 2019 were that 5 new LMAGs were formed against the initial plan of 3. New LMAGs were established at Bangalore, Sendai, Hyderabad, Thailand and Madras Sections. Activities like lectures, seminars, symposium, lunch/dinner get together, visit to historical places, support to Section events etc. were accomplished. Total number activities during the year exceeded 50. Australia received its first IEEE milestone in May 2019. Life Member track was part of the SYWL Congress held in Hyderabad on 29th September 2019. A meeting was also arranged for LMAG Chairs from India. 6 LMAG Chairs plus a few more Life Members attended the meeting at SYWL Congress. Similar activities are planned for 2020 but these may be affected by the COVID19 pandemic. Immediately after this, Life Members Committee face-to-face meeting was held at San Antonio, Texas on 17th & 18th January 2020, where plans & budget were discussed.

R10 PERSONALITIES OF THE MONTH

2. R10 PERSONALITIES OF THE MONTH

R10 Personality of the Month – Jong Chang Yi

Seoul Section

Jong Chang Yi became an IEEE member in 1987 and has been actively contributing as an IEEE volunteer since 2005, when he was invited to join IEEE Seoul Section's Executive Committee. After serving in various positions, he was appointed as chair in 2017 and re-elected in 2018. Yi started his IEEE volunteer career as the section's newsletter coordinator in 2005 and 2006. His next assignment was to serve as the student activity committee chair in 2007 and 2008, which motivated him to start a student branch in his campus. He attended the 2016 IEEE Rising Star Conference, a Region 6 student branch workshop, where he realized how undergraduate students could play important roles in enriching and enhancing section activities. On his return, he motivated undergraduate students to organize their own student branch and help them to participate in and even contribute to various university-wide programs such as the open campus events for middle school students and the multidisciplinary creativity competition events. Luckily, the undergraduate student body had developed enthusiastic leadership and produced wonderful results such as organizing municipal VR art festival funded by city offices, developing safety devices for kindergarten students, and opening weekend coding classes for elementary students. Yi invited the student leaders to participate in 2018 R10 SYWL Conference, Bali, Indonesia, and on their return, they played a key role in hosting 2018 IEEE TENCON in Jeju, Korea.

Welcoming Prof. Toshio Fukuda, who visited Seoul National University for Student Workshop on AI Robotics, 2018.

All the members from various sections and 30 odd chapters in Korea circulate correspondence at least once a year, and that is for the student paper contest. The focus on student activities is not limited within sections or chapters. 2017-2018 R10 Director Kukjin Chun invited research scholars for various events and promoted student activities all over the region. One such event was when Prof. Toshio Fukuda visited Seoul to give a lecture on AI robotics in 2018. Prof. Byung-Gook Park and other section members also invited many researchers from industry. Yi took the responsibility of organizing those workshops and conferences with enthusiasm and pleasure, especially for 2018 IEEE TENCON, 2017 IEEE Smart Tech Seoul, and special seminars.

Yi and Hyungkyun Kim at the IEEE Booth at 2019 CES, Las Vegas, USA.

Jong Chang Yi's research area is focused on photonic devices such as LEDs, solar cells, and LDs for optical communications. He served as Head of School of Electronics and Electrical Engineering at Hongik University, Seoul, Korea, and Vice-President of the Optical Society of Korea. He also served as on-campus Director of Wired and Wireless Optical Communication Research Center, and Metamaterial Electronic Device Research Center. His current research projects focus on smart blocks and smart toys for kindergarten students and elderly persons utilizing photonic devices and smart sensors. For the exhibition of these products, he used to regularly attend the CES (Consumer Electronic Show). Taking advantage of that annual event, Yi supported undergraduate students to participate in Rising Star Conference as well as the CES. In 2019, two students participated in the conference and one of them served as a volunteer for the IEEE Booth at CES for three days. One of them now runs his own on-campus venture company and another served as the chairperson of Hongik University Student Branch. Yi's devotion to the students gained him the prestigious R10 Outstanding Volunteer Award in 2019, which was awarded only for the second time to a Korean after Prof. Kyun Hyun Tchah in 2003.

R10 WIE Personality of the Month – Takako Hashimoto

Tokyo Section

Vice-President, Chiba University of Commerce (Professor); IEEE R10 Secretary (2019-2020); IEEE Educational Activities Board TAB Representative (2020); IEEE Award Board Publicity & Presentation Committee Member (2020)   Email: takako@cuc.ac.jp

Takako Hashimoto graduated from Ochanomizu University, and received a Ph.D. in computer science from the Graduate School of Systems and Information Engineering at University of Tsukuba in 2005. She worked for 24 years at the software R&D center of Ricoh Co. Ltd., Japan. During her tenure at Ricoh, she spearheaded the development of many software products as a technical leader. She acquired enormous project management experience including international collaborative research handling. In April 2009, she joined Chiba University of Commerce (CUC) as an Associate Professor. In due course, she was promoted as a Professor of CUC. In 2015, she was a visiting researcher at the University of California, Los Angeles. In 2016, she was appointed as Director of Institute of Economic Research and as Vice-President of CUC in 2018. Her research interests include data mining research and social media analysis, especially topic extraction from millions of tweets related to disasters such as the East Japan Great Earthquake. She has conducted global researches on SDGs for achieving 100% renewable energy environment as well.

Various IEEE leadership positions held in the past included IEEE MGA Membership Recruitment and Recovery Committee Chair (2017-2018), IEEE Women in Engineering (WIE) Chair (2015-2016), and IEEE R10 WIE Coordinator (2011-2014). She was an honorary recipient of the 2019 MGA Larry K. Wilson Transnational Award, one of the most prestigious awards in IEEE MGA. Her citation for the 2019 MGA Larry K. Wilson Transnational Award reads as: "For inspiring leadership and contributions to IEEE Women in Engineering across the world with the mission: Inspire, Encourage, Engage and Empower."

"Simay Akar, Bozenna Pasik-Duncan, and Nivas Ravichandran! Thank you for all the support and trust. Also my gratitude to Hideko Kunii, Akinori Nishihara, Nita K Patel, Ramalatha Marimuthu, Lisa Lazareck-Asunta, Keyana Tennant, Charmain Williams, Paola Bringas, Georedna Brown Onyesoh, Francesca Mingione and all the friends in IEEE for their valuable support and trust for allowing me to contribute IEEE WIE activities. I am what I am today. Thank you very much everyone!

Through IEEE WIE activities, especially by being the IEEE WIE international chair, I was able to have experiences as a leader. Generally, especially for Asian women, it is a struggle to be given opportunities to take lead roles. Actually, I used to fear to be a leader. But through the IEEE WIE Chair experiences, I was able to face my fears and hesitations. Now I am the Vice-President of my university. In Japan, it is not easy to be in a high position for a female professor. I am sure that IEEE volunteer experiences helped me to be promoted in my chosen field as well.

Therefore I really recommend STEM professionals to join IEEE. IEEE motivates you, and definitely helps your career development. You can enhance your network, find new friends, mentors, and role models, be global, and be a leader. In addition, you can find the joy of being a volunteer and contribute to society.

Please open the door to a new world with IEEE".

Takako Hashimoto

R10 YP Personality of the Month – Kurnianingsih

Indonesia Section

Kurnianingsih became an IEEE member in 2011. She is an active member of the IEEE Computational Intelligence Society (IEEE CIS) and member of the IEEE Systems, Man, and Cybernetics Society (IEEE SMCS).

She started her journey as Founder and Chair of IEEE Indonesia Young Professionals (YP) from 23rd March 2016 to 29th March 2019. She has organized several YP activities such as industrial workshop on IEEE Cyberneticscom 2016 in collaboration with IEEE PES, industrial workshop on IEEE WPMC 2017, etc.

In 2017, IEEE Indonesia Section organized the 1st IEEE Indonesia WISHY Congress 2017 and Dr. Kurnianingsih was appointed as the General Chair of this event. The WISHY Congress covers

Receiving the R10 YP Award in Academia from the R10 Director Prof Akinori Nishihara in the presence of the Past Director, Prof. Kukjin Chun.

Women in Engineering, Industry, Students, Humanitarian, and Young Professionals (WISHY). The theme of the congress was "*Technology for Quality of Life*". The WISHY Congress was held in conjunction with the 6th IEEE International Conference on Communication, Networks and Satellite (COMNETSAT 2017) and attended by 150 participants.

The success of WISHY Congress 2017 resulted in her being appointed as General Co-Chair of the IEEE Region 10 Students, Young Professionals, Women in Engineering, and Life Member (SYWL) Congress 2018, which was held from 30th August to 2nd September 2018 at Prime Plaza Hotel, Sanur – Bali, Indonesia. The event was a spectacular success and attended by over 300 delegates coming from 50 sections within Region 10 as well as from other regions as well (Region 1, 2, 3, 5, 7, and 8). The theme of the Congress was "*Collaborative Innovation for Society Development".*

Dr. Kurnianingsih has been serving as an executive committee member in IEEE Region 10 (Asia-Pacific Region) since 2018 and is now presently Information Management Committee Chair. She is also currently serving as Vice-Chair of the IEEE Indonesia Section for 2019-2020 and as Secretary of the IEEE SMCS Indonesia Chapter. She was a recipient of the IEEE Region 10 Young Professionals Award in Academia in 2018 and a recipient of the Outstanding Volunteer Award of Valued Service and Contribution to Young Professional Activities in Indonesia in 2019.

Dr. Kurnianingsih is currently working as an Assistant Professor in the Department of Electrical Engineering, Politeknik Negeri Semarang, Indonesia. Her administrative duties at the educational institution and her role as an IEEE volunteer in both IEEE Region 10 and IEEE Indonesia Section are mutually aligned. She was also awarded the 2019 Outstanding Lecturer of Science and Technology, Politeknik Negeri Semarang, Indonesia.

"IEEE has made a significant impact in both my professional and personal life. IEEE has a great network which comprises of the world's leading technologists and innovators, who explore how technology drives the world and impacts current and future societies. I believe the advancing technology can revolutionize the way we live and behave. Through my IEEE journey, I have learnt many great things and I could explore myself and expand my areas of interest. IEEE has helped me to develop my career, passion, interests, and talents; and led me to self-improvement to become a good leader."   Dr. Kurnianingsih

R10 Student Personality of the Month – Mohammed Hussein Saleh Mohammed Haram

Malaysia Section

Mohammed Hussein is a recent graduate of Multimedia University (MMU), Malaysia with a Bachelor's degree in Electrical Engineering. Currently, he is pursuing his master's degree in Engineering Science as a graduate research assistant at the same university. Mohammed Hussein started his involvement with IEEE back in January 2016, when he was elected as the Vice-Chair of the IEEE Multimedia University Student Branch (IEEE MMU SB). Throughout 2016, as part of the SB leadership team, he organized various events at university, state and national level. By the end of the year, the Student Branch was awarded the Exemplary Student Branch Award in Malaysia.

Receiving the R10 MGA and SAC Awards for 2018 along with IEEE MMU SB Committee members, SB Counselor, Prof. Yusoff and Past Section Chair, Dr. Faizal

In August 2017, Mohammed was elected as the Chairman of IEEE MMU SB and during his term, the number of SB event increased significantly. These resulted in the SB winning the Malaysia Section Outstanding Student Branch Award for two consecutive years, in 2017 and 2018; making the first of its kind achievement in Malaysia. In 2019, Mohammed was appointed as the Malaysia Section Student Representative (SSR) for 2019-2020. Under his leadership, the student branch also secured two international

Along with IEEE Malaysia Section Committee 2019-2020

awards namely 2018 IEEE Asia Pacific Region Exemplary Student Branch Award and 2018 IEEE Asia Pacific Region Student Branch Award which was given to the most outstanding branch out of 1437 student branches. These are the highest honors in the 13 years of existence of the SB.

Mohammed was ranked as the top IEEE member recruiter worldwide in 2019 recruiting 169 members. In 2018, he was ranked second best IEEE Region 10 members recruiter, recruiting 111 members. He has been Malaysia Section's top recruiter for the past 4 years (2016-2019) recruiting 25, 14, 111 and 169 members respectively. In 2019, he helped IEEE MMU SB to reach 202 members which is the highest number of student members in Malaysia Section by any Student Branch since 2003.

His recent involvement was as a Director for the 6th IEEE Conference on Sustainable Utilization and Development in Engineering and Technology (2019 IEEE CSUDET) held in Penang, Malaysia. The conference received over 100 papers of which 60 high-quality papers from 18 countries were presented. He was the founder of IEEE MMU Women in Engineering (WIE) AG whose leadership was later passed on to Teo Yar Lee. He is currently a part of IEEE Malaysia Section Consultants Network Affinity Group (CNAG) and presently working on initiating IEEE PES Student Chapter at his university.

Another accolade received by Mohammed Hussein was **IEEE R10 SAC Outstanding Student Volunteer for 2019**. Mohammed has won multiple awards at university and national levels such as 2019 MMU Golden Achievement Award, MMU 2018 Student Leader of the Year and 1st Runner-up for IEEE Malaysia Best Final Year Project Competition 2019 in two tracks namely, Consumer Electronics and Young Innovator Award.

R10 Life Member Personality of the Month – Alan L. Harvey

Victoria Section

Alan Harvey became an IEEE member in 1987 and joined the executive committee as Circuits and Systems (CAS) Chair in 2008. In that role, he presided over several technical seminars for local engineers and academics as well as distinguished lecturers mainly from the United States. When he became Section Chair in 2018, he stepped down from his position as CAS chair. He was editor of Uplink, the newsletter for IEEE Victoria section for 10 years. During his tenure as Chair, he put in a successful proposal for organizing R10 administration meeting at Melbourne in 2019. This meeting was held at the Pullman Hotel near central Melbourne in March 2019 with an attendance of 115. The meeting was attended by the IEEE President José M. F. Moura, President-Elect Toshio Fukuda as well as President-Elect candidates Kathy Land and Dejan S. Milojicic.

The IEEE Victorian section has been active and operational since the late 70's and is perhaps the longest standing Section in Australia. It has 21 chapters contributing large numbers of technical meetings and personal development meetings to the IEEE community. For several years, meetings were held at RMIT but of late, meetings are held now at CQU, Central Queensland University Melbourne campus. These meetings have partially transitioned to a video conference and now with COVID 19, the section proposes to meet regularly by video or audio conference. He has given several technical lectures in Malaysia during the last decade. He attended the Circuits and Systems tea party at University of Petronas Malaysia organized by his friend Fawnizu Azmadi Hussin.

Life membership was awarded in 2018. Alan has organized several industrial visits to electrical companies during his tenure at Circuits and Systems. He has also initiated two workshops, one on rapid electronic system prototyping and the other on sensors and sensor networks. After finishing his term as Chair, Alan took over as vice-chair of the Life Members affinity group and also continues to take active interest in the Circuits and Systems chapter. Dr. Harvey is currently employed at company Acupak Pty Ltd which sells medical lasers. He had a 34-year career at RMIT University and a 15-year career in industry including some years at BP Australia and BP UK. He was Senior Engineer at Automatic Accessories in 1973.

IEEE Victoria E- Textiles workshop for secondary teachers.

R10 ORGANIZATIONAL UNITS (OU) OF THE MONTH

3. R10 ORGANIZATIONAL UNITS OF THE MONTH

R10 Large Section of the Month – Kerala Section

Prepared by: Sabarinath Pillai, Vice-Chair for IEEE Kerala Section

IEEE Kerala Section was formed as a Subsection of the Bangalore Section in 1975 and later elevated into a Section in 1983. Since 1975, IEEE Kerala Section has been involved in the technical development of the southern Indian state of Kerala in terms of providing technological knowhow to policy/decision makers as well as the future generation of Engineers, all the while upholding the ethics of the IEEE towards contributing to its Vision.

AWARDS AND ACHIEVEMENTS

Over the years, Section volunteers, Affinity Groups and the Section as a whole has been appreciated both by the R10 and the MGA in terms of awards. Individual awards like the Larry K Wilson Transnational Award, the Young Professionals Achievement Award, Outstanding Student Branch Counselor Award or Affinity Group awards like the Women in Engineering Award, The Life Member AG Award and even society awards like those from PES definitely have contributed towards the Section receiving the Outstanding Large Section award in 2004, 2009 and 2014.

PRE-UNIVERSITY

The e-Scientia project installed at the Centre of Science in Society, Cochin attracts close to 10,000 school-level students on a yearly basis; thus contributing towards enthusing students at the pre-university level to pursue STEM education. Kerala Section, in collaboration with an NGO, Chakshumathi works towards helping the visually challenged pursue science education.

CONFERENCES

Kerala Section annually hosts a series of conferences. Apart from the TENSYMP 2017 and the TENCON 2019 conferences which are flagship events of Region 10, Kerala section has hosted the IEEE India Council conference, INDICON and also organizes RAICS & SPICES both bi-annually as Kerala Section flagship conferences. The recent TENCON needs special mention as it has been highly appreciated in terms of quality of technical content, quality of planning and execution and quality in terms of financial utilization.

MEMBERSHIP AND STRENGTH

As of 31st December 2019, Kerala Section stands strong with 10000+ members. The strength of Kerala Section lies in its student network backed by the energetic Young Professionals, who work under the advice and guidance of the veteran senior members of the section.

CONTRIBUTIONS TO THE SOCIETY

IEEE Kerala Section and its volunteers believe in giving back to the society which creates and upholds humanity. Activities in giving back to the society are spread across various fronts.

Humanitarian Activities

Right from the devastating 2004 Tsunami which hit the coast of South India till the ongoing COVID-19 pandemic, the volunteers of Kerala Section have jumped right into the battle ground to provide technological solutions to ease the situation on the ground. Volunteers from Kerala Section travelled close to 500km to a coastal township, Nagapattinam, on a weekly basis and set up initial communications systems right after the Tsunami hit this coastal area. Later, volunteers from Kerala went on to set up coordination centers which was later accepted by

the Government of Tamil Nadu state as the central coordination center for emergency relief activities. Volunteers from Kerala travelled to Nepal after the earthquake, and also engaged in relief activities in Haiti. The Student Initiative, Keralarescue.in, which was started by 7 student members in Kerala as a data collection portal immediately after the 2018 floods in Kerala went on to be accepted by the Government of Kerala state as the central relief measures coordination portal which later also saw contributions pouring in from 1519 professionals/technocrats from various parts of the globe. Currently, during the COVID-19 pandemic, our engineers and young professionals have stepped forward to design and implement low-cost ventilators, robotic sanitizers, all accepted by the Government of Kerala to be used in the field for immediate relief activities.

It was perhaps the activities of Kerala Section, especially the 2004 Tsunami related activities, that got recognized at the global scale which led to the formation of Humanitarian Technologies Adhoc Committee and later SIGHT, even including the adoption of the tagline Advancing Technology for Humanity.

Recognitions to Professionals

IEEE Kerala Section takes a forward outlook in appreciating the contributions of the general public who provide technology-related solutions for the benefit of mankind. Initiating a KPP Nambiar Memorial Award, in remembrance of the founder Chair of Kerala Section is one of many such activities. Mr. E.Sreedharan, the Metro Man of India, who designed and executed the world-class Delhi metro and Dr. K. Sivan, Director of Indian Space Research Organization (ISRO) are distinguished persons, who have been bestowed with this award in past years. In addition, awards like Friend of IEEE, Best Teacher Award, Best Researcher Award are bestowed on eminent personalities, who have proved themselves in their respective domains.

Student-Centric

Kerala Section is perhaps the first section in the world to pilot a unique hub and spoke model, the Local Integrated Network of IEEE SBs in Kerala (LINK), for sensitizing the 7500+ student members of the section. From 5 student branches across Kerala in 2003 to 91 Student Branches in 2019, the journey was a smooth sail with this unique approach. This model gained publicity and was adopted on a global scale as the Global Integrated Network of IEEE SBs (GINI) which has resulted in tremendous growth in the student activities across the globe.

Apart from these, IEEE Kerala Section hosts an annual IEEE Job Fair for the Graduate Student Members; connecting employers with employees.

IEEE Kerala Section team and Nissan Team with the honorable Governor of Kerala state, Mr. Arif Mohammad Khan at the TENCON 2019 Venue near the Nissan LEAF exhibit

R10 Medium Section of the Month – Nagoya Section

Prepared by: Jun Sato, Secretary for Nagoya Section

The IEEE Nagoya Section was established in 1999 under Japan Council, and currently has about 1,300 members including the President of IEEE, Prof. Toshio Fukuda. Since Nagoya and its surrounding area is the largest industrial center of Japan, the Section has long standing collaborations between academia and industry. These collaborations have resulted in several IEEE Milestones of history, including the Milestone of Bullet Train "Shinkansen". Fundamental research is also strong in this area, and the Section has Nobel laureates as Nagoya Section members.

The Nagoya Section recently started WIE affinity group activities. For celebrating its establishment, Nagoya WIE Startup Event was held last December. IEEE R10 Director Prof. Nishihara and former chair of IEEE WIE Prof. Hashimoto delivered special lectures. This event helped strengthen collaboration across genders and generations. The Nagoya Section also has YP and LMAG affinity groups, and close cooperation amongst these three affinity groups is the plan for the future. Since the Nagoya Section exists in the industrial center of Japan with lots of support from these companies, the Section awarded two domestic companies with the IEEE Supporting Friend of MGA award.

Nagoya section is also awarding young researchers and students. Two local conferences are held every year, and excellent student presenters are awarded the Student Awards. The Young Researcher Awards and the International Conference Presentation Awards are also awarded to young people who published high quality work in journals and conferences. All of these activities encouraged young researchers and students, and contributed to enhancing the Section activities.

Nagoya Section was recently awarded the 2018 R10 Best Membership Retention Medium Section Award, the Gold Medal of 2018 Outstanding Section Membership Recruitment and Retention Performance, and the 2017 R10 1st Place in Retention Category.

R10 Small Section of the Month – Kharagpur Section

Prepared by: Debarati Sen, Chair for Kharagpur Section

The IEEE Kharagpur Section is a Section coming under India Council and IEEE Region 10. It is a unique Section in IEEE in the sense that the Section is rooted at the Indian Institute of Technology Kharagpur, unlike other Sections where activities usually spread over a number of institutions and industries. The Section office is located in the campus of Indian Institute of Technology Kharagpur.

The beginning of the unit were as a small chapter with 60 members under IEEE Kolkata Section (formerly IEEE Calcutta Section) in 1983. On 13th May 1985 it emerged as the IEEE Kharagpur Section. Since its inception, the Kharagpur Section has had a sustainable growth of its members, distinguished activities and targeted initiatives.

IEEE Day Celebration,1st October 2019

One of the Section's key focus areas has been to improve the support networks and funding opportunities for its student members. There are two Student Branches and seven Chapters in Kharagpur Section. The Student Branches focus on conducting social and technical activities for students, and also encourage the students to take full advantage of the benefits of IEEE membership, including scholarships, competitions, and conference grants, thereby encouraging students to be a part of the global IEEE community. In 2010, the Student Branch of Kharagpur Section joined IEEE University Partnership Program (UPP), an elite group of 17 top engineering schools/universities worldwide.

Distinguished lecture on "Are we alone? NASA's search to find life beyond earth" by Dr. Goutam Chattopadhyay, NASA, JPL, Caltech, USA, Feb. 06, 2019

A second focus area has been membership value. The IEEE Kharagpur Section has helped its members advancing their careers with a goal towards the development of mankind. The Section organizes workshops, conferences,

symposia, colloquium, and lectures by renowned personalities frequently. Apart from this, IEEE Kharagpur Section also organizes industrial trip every year to enhance industry-academic relations.

Industrial Field Trip organized for the members and their families and student body members at the Air Force Station, Salua on 2nd February 2020

Another targeted initiative is the IEEE Student-Teacher and Research Engineer/Scientist (STAR) Program, which was developed to address the growing concern that, at a young age, girls are discouraged from careers in mathematics, science, and engineering. The Section is looking forward to organizing the STAR program at schools near Kharagpur area and enlightening the young minds with various career opportunities which can be explored.

Below is a list of major activities of the IEEE Kharagpur Section in the last one year:

- 12 technical talks organized by Section
- 50 technical talks organized by Chapters
- 6 workshops on classical and emerging technologies
- 3 co-sponsored international conferences

The Section has won several awards and accolades, which include:

- 2020 IEEE Brand Ambassador, N. Aditya Kameswara Rao
- 2019 R10 Outstanding Small Section Award
- 2019 R10 SAC Leadership Training and Membership Development Fund
- 2019 Membership Growth Reward of US$ 300 to SPS chapter
- 2019 Richard E Merwin Scholarship (Spring, 2019) by IEEE CS, Devarpita Sinha
- 2019 Richard E Merwin Scholarship (Autumn, 2019) by IEEE CS, Sobhan Dhara
- 2019 IEEE Xtreme, IIT Kharagpur got Country Rank 1, Meet Joshi, Vivek Gupta, and Vishal Raj, Proctor was Prof. Debdoot Sheet
- 2019 Asian Test Symposium Doctoral Thesis Award 2019, Rajit Karmakar
- 2019 NOKIA-IEEE University Collaboration Programme, a group of IEEE student members from IIT Kharagpur got an opportunity to visit Nokia R&D, Bangalore

R10 Subsection of the Month – Vizag Bay Subsection

Prepared by: M Chisti, Secretary of Vizag Bay Subsection.

IEEE Vizag Bay Subsection has organized several events, conferences, and workshops for the benefit of professionals, student members & research scholars, as also given paramount importance towards technological development. These events have witnessed active participation and opportunities for volunteers to gain knowledge. 40 events were organized in 2019 and 42 events in 2018 that included conferences (ICISGT 2019, MiniPOCO 2018), technical events, professional talks, workshops, hands-on training programs for student members, and administrative activities. IEEE Vizag Bay Subsection includes more than 1,500 professional and student members, and 25 active Student Branches. IEEE services and benefits are provided to 15 universities with 200 + engineering institutions and 250+ IT and related companies. IEEE Vizag Bay Subsection volunteers also received funding of US$1000 for SIGHT program from IEEE.

Some of the major milestones include Subsection Student Congress 2020 with the theme, 'Sustainable Employment with Industry 4.0' on 25th January 2020. 154 students from 16 colleges across the state of Andhra Pradesh participated in the congress. Project expo, Student Branch exhibits, and entrepreneurship talks were organized. In the project presentation session, students presented their innovative models which included a gesture control laptop using an ultrasonic sensor & IoT based smart irrigation system for farmers. Branch counselors meet was organized to train the branch counselors in managing their Student Branches, improving membership retention and support provided by the Subsection to organize events at their institutions.

Teacher In-Service Program was organized on 30th November 2019 at Government High School, Payakaraopeta, Near Tuni, Andhra Pradesh, India. 39 science teachers from 19 Government High Schools of Visakhapatnam District participated in this event. Mr. M.G.P.L. Narayana, Past Chair of IEEE Hyderabad Section was the Chief Guest for the program. Mr. K. V. Sriram, Chair for IEEE Vizag Bay Subsection mentioned that school teachers need to develop a curiosity in learning science amongst children. Dr. Abraham spoke on recent scientific developments. Dr. Lakshminarayana Sadasivuni spoke on "Research in social networks and how traditional science helped the modern age". Mrs. Ili Abraham, another resource person spoke on "Teaching science in modern age".

Group Photo of the TISP Participants

A major milestone of the Subsection was the International Conference on Intelligent Systems and Green Technology held on 29th and 30th June 2019 at Y.V.S. Murty Auditorium in Visakhapatnam, India. The conference received 110 paper submissions of which 27 papers were accepted for presentation in compliance with IEEE standards. Activities planned in the future include INDISCON-2020, scheduled in July 2020 and the second edition of ICISGT in November 2021.

The Subsection aims to spread knowledge on the latest technological trends by organizing various workshops. A 2-Day Workshop on Hyperspectral data analysis techniques was successfully conducted in training government faculty, researchers and students on the application potential of resources evaluation and management, climate change and environmental ramifications, water resources and their improvement, sea-level rise and coastal inundation. This workshop was organized by IEEE CIS/GRSS Hyderabad Joint Chapter, in collaboration with IEEE Vizag Bay Subsection and Department of Geo-Engineering, Andhra University. A one-day workshop on Digital Signal Processing using Python (via Raspberry Pi) was organized on 16th July 2019 by IEEE Communications and Signal Processing Societies Joint Chapter in collaboration with IEEE Vizag Bay Subsection & GITAM (Deemed to be University) with the objective of skilling professionals and students in DSP using open-source software (Python) and Raspberry Pi hardware. IEEE Computer Society Hyderabad Chapter in collaboration with IEEE Vizag Bay Subsection also organized a workshop on robotics and digital reality at PSCMR, Vijayawada on 20th July 2019. Along with IEEE ComSoc/SPS joint society, the Subsection organized a one-day workshop on Channel Coding in 5G at MVGR College of Engineering on 24th August 2019.

Apart from these, IEEE Vizag Bay Subsection also organized several IEEEXtreme promotional events in different colleges in the month of September 2019. IEEE Vizag Bay Subsection petition to become a full-fledged Section has been approval by IEEE R10 in February 2020. With this elevation, IEEE Vizag Bay Section looks forward to foster the advancement in technology for the benefit of humanity.

R10 Student Branch of the Month – IEEE American International University Bangladesh Student Branch

Prepared by: Alve Rahman, Publication Coordinator for IEEE AIUB Student Branch

IEEE American International University Bangladesh Student Branch (IEEE AIUB SB) was established under the Bangladesh Section in 2006. From 2009 onwards, the branch has been very actively pursuing various activities to "advance technology for the benefit of humanity". IEEE AIUB SB has emerged as the largest Student Branch in Bangladesh Section for the past few years, comprising of over 350+ members with 4 successful Student Branch Chapters and one Affinity Group (WIE). Several years of hard work, passion and dedication of its volunteers have resulted in the success and glory of this Student Branch.

One key area of focus of this SB has been to organize and conduct technical seminars by both the academicians and Industry experts for the student members. In 2019, IEEE AIUB Student Branch organized over 20 seminars and workshops. These seminars covered various state-of-the-art topics and hands-on workshops that helped the participants in better understanding of the industry standards. IEEE AIUB SB regularly celebrates IEEE Day, Arduino Day and International Women's Day every year. In the year 2019, IEEE AIUB SB organized the IEEE flagship event Student Professional Awareness Workshop 2.0 (SPAW) for the second time and Student Professional Awareness Venture 4.0 (SPAVe) for the fourth time in the history of IEEE Bangladesh Section. The SB also organized an IEEE Distinguished Lecture by Dr. V R Singh, a Life Fellow of IEEE, in collaboration with IEEE Bangladesh Section and in association with IEEE AIUB EMBS chapter, Faculty of Engineering AIUB and IEEE Bangladesh Section EMBS chapter.

The second area of focus of the Student Branch is to engage with the student members annually through general meetings and interactive sessions. The EEE AIUB Student Branch organizes Membership Drives annually to inform students about IEEE membership benefits. The branch also arranges industrial and recreational tours annually to keep the members thoroughly engaged into the organization.

The third area of focus has been to improve daily communication between the branch and the members. The branch regularly updates its activities through means of social media (Facebook, LinkedIn, etc.). All members receive regular emails prior to every seminar or event hosted by the student Branch.

The IEEE AIUB Student Branch has won several prestigious awards both locally and globally for last several years. Some of the recent achievements include:

- 2019 IEEE Regional Exemplary Student Branch Award in Region 10
- 2017 IEEE MGA Regional Exemplary Student Branch Award.
- 2014,2015 & 2016 Best Student Branch Award at IEEE Bangladesh Section.
- 2018 & 2019 Best Student Branch – Honourable Mention Award at IEEE Bangladesh Section.
- 1st Place Website Contest at IEEE Bangladesh Section SYW Congress 2017.
- 2nd Position in IEEE Region 10 Student Branch Website Contest 2019.

OTHER ARTICLES

4. OTHER ARTICLES

Interview with Team Bend, Winner of IEEE R10HTC 2019 Project Competition

"GAMING IS NOT AN ADDICTION BUT A THERAPY"

A student team, Team Bend from department of Computer Science & Engineering (CSE), Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore Campus, India has won the IEEE Region 10 (Asia-Pacific) Humanitarian Technology Project Competition 2019 held at University of Indonesia, Depok on 12th November 2019. Team Bend developed a Virtual Reality (VR) game to reduce lower back pain which is rampant among young professionals especially for those working long hours in coding, IT and service companies. With the tagline for their project, "Gaming is not an addiction but a therapy", Team Bend competed against student innovators from countries like Japan, China, Indonesia, Singapore, and Malaysia to emerge on top of this Engineering Festival for Humanity. IEEE R10 Today interviews this team consisting of students, B. Nehal Ram Surya, Kishore Ramesh, Mohan Karthik V., Ragul P along with their faculty mentor, Prof. Prashant R. Nair from Amrita Vishwa Vidyapeetham (University), India.

Q: What motivated you guys to work on this project?

Nehal: Billions of dollars are being spent annually for back pain now-a-days. Most of the people experience back pain for a number of reasons and this is for people of all ages. An average age of experiencing back pain in recent times is 16 years. We did not start thinking about this all of the sudden, it all started in a train journey. Once I was traveling to Bangalore for an event in September 2018 in a general class, which made us sit for 8 long hours in the train. It was not even 2 hours since the train started, some of my friends stood up and started walking here and there. When I asked one of my friends the reason, he said "How could one sit straight for two hours, we should have booked a sleeper seat". That is when I started thinking about this. We are just 20/21 years old and how come back pain is so common among most of us. As an engineering student, I wanted to do something with the knowledge I had. Soon after I reached home at Coimbatore from Bangalore, and I had a discussion with my team mates.

Q: What are the reasons for back pain, especially among youngsters that motivated you to work on this problem?

Kishore: There are several reasons. But majorly, we found out in our research, the following reasons:

- Sitting in front of computer for a long time which in-turn becomes a wrong sitting posture especially gamers, IT and software professionals,
- People riding vehicles,
- To be more precise, the most common reason was people sitting at a same place in a wrong posture for a long time.

Q: But can't these be avoided by changing one's behavior?

Kishore: True. It's very difficult to change one's behavior all of sudden. You can imagine the results when we advise people to sit properly. Or not to sit in front of the computer system for long time. Or do not ride vehicles. We wanted an effective solution that is well suited for the youth. Since it is a gaming era, we thought of an interactive gaming solution.

Q: What are the technologies that you have used for the VR game?

Mohan: The technology stack consists of two hardware modules and an interactive game. One module is a self-designed IoT device, which consists of a MPU6050 (9 DOF) to track the body movements, an Arduino-nano programmed to record the readings and an nRF24l01 to transmit the signals to the game through radio frequency. Second module is the market's readily available VR/MR headset.

Q: Sounds exciting. What about the gaming part?

Ragul: In our product for the demo purpose, we used Lenovo's Mixed Reality headset. We created a 3D game using Unity3D. First we developed an endless runner game like Temple Run, Subway-Surfers. We created game character such that both model and camera are in the same game object. Any movement we applied was on this game object. We also made sure camera had a 360-degree field of view without obstruction. We then interfaced our hardware to move our character in-game using Unity's Serial Communication package. After which we added SteamVR plugin to our camera. This ported our game to VR and with the help of SteamVR we can play with almost all Mixed/Virtual Reality headsets available in the market. So at last it becomes a portable and compatible product with all the available headsets.

Q: What is your plan for the next two years?
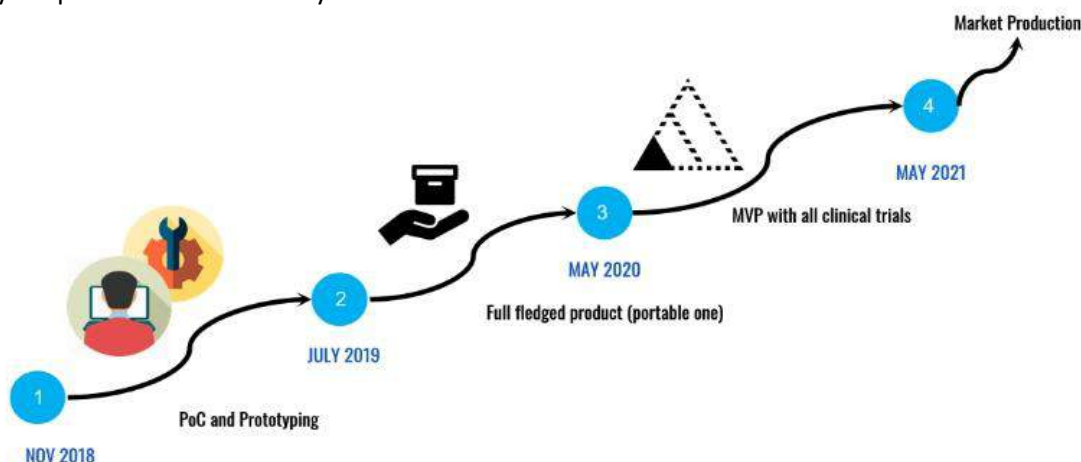
Mohan: The team is in the full-fledged product development phase and we face a significant amount of challenges here; we estimate to complete a full-fledged product by the end of October 2020. After which, we have planned Beta testing of our MVP (Minimum Viable Product) with all clinical trials under the supervision of physiotherapist, adhering to the medico-legal guidelines of the Indian government. After the successful trials, we will initiate the process to get accreditation from IMA (Indian Medical Association) and also patent our product design which will be by end of May 2021. Then the product will be ready for market sales, where we have planned a subscription-based revenue model for our B2B customers (Health Centers, Physicians) which excludes the initial setup cost of the equipment. In the mean-time, we are also looking for some potential investors. Then we can go global.

Q: How did your university support this project?

Prashant: Our University, Amrita Vishwa Vidyapeetham, which is India's number one private university, is very supportive of student innovation. We have been very much encouraged by the success at the prestigious IEEE R10HTC2019 project competition. This student innovation not only addresses the UN Sustainable Development Goal (SDG) of Healthcare but is line with the vision of our University Chancellor, world-renowned humanitarian leader, Sri Mata Amritanandamayi Devi's vision of compassion-driven research. The university is supporting team Bend in patenting the idea as also publishing this work. Till now, we have also got support from our University's Cisco ThingQbator IoT makerspace program for all the equipment and technical support for our proof of concept.

Nehal: Our team would like to place on record the encouragement of our university's senior administration especially, Chief Operating Officer, Prof. C. Parameswaran and Dean, Faculty of Engineering, Dr. Sasangan Ramanathan.

IEEE PESGRE2020

A highly successful inaugural edition!
Written by Biju K, Vice Chair for IA/IE/PELS Jt. Chapter Kerala

The first biennial IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy (PESGRE2020) was held from 2nd to 4th January 2020. The conference was productive three days of non-stop activities, stimulating discussions, and prolific exchange of ideas amongst 450 Power Electronics and Energy Systems professionals and researchers from 15 countries. This conference was organized by IEEE IA/IE/PELS Kerala Jt. Chapter and co-sponsored by IEEE Industry Applications Society, IEEE Power Electronics Society, and IEEE Kerala Section. The conference focused on the challenges, latest developments and upcoming technologies in power electronic systems, electric drives, renewable energy resources and the operation in the smart grid environment. With this year's conference located in Cochin, Kerala, India, PESGRE2020 emphasized the theme of "Power Electronics and Renewable Energy for Sustainable Development" and the conference opened with an inaugural address from Prof. Wang Peng of Nanyang Technological University, Singapore.

PESGRE2020 received 483 submissions from 19 countries and after a rigorous review process involving 38 technical program chairs and 386 reviewers, 320 papers were accepted for camera-ready submission. Special care was taken to ensure a very good peer review stage with quality reviews for the benefit of the authors. Subsequently, 301 camera-ready submissions were received and finally, 298 papers from 15 countries were presented in the conference. All the presented papers in the conference are eligible for submission to IEEE Transaction on Industry Applications, subject to further round of review by the journal editors.

The technical program of PESGRE2020 consisted of four tutorials, four plenary talks, two student forums, one industry session, and 44 technical sessions. The tutorials were delivered by well-known experts, Prof. Prasad Enjeti, Prof. Krishna Vasudevan, Dr. Dinesh Kumar, Prof. Anurag K Srivastava, Prof. Sukumar Kamalasadan, and Prof. Sheldon S. Williamson. Plenary lectures were delivered by Dr. Tomy Sebastian, Prof. Wang Peng, Prof. Kashem Muttaqi and Prof. Biplab Sikdar on topics of interest to power engineering community. The sessions were chaired by active researchers from reputed institutes. There was a lot of interaction and exchange of information during the technical program and during industry exhibits.

The Young Professionals also had variety of activities at PESGRE2020. There was a YPP student forum led by Dr. Sanjib K Panda, Dr. Anurag K Srivastava, Dr. Harish S Krishnamoorthy and Dr. Akshay Rathore followed by a social gathering. Thirty young professionals received travel grant from IAS society to attend PESGRE2020.

The conference proved to be an excellent forum for technical exchange among researchers from academia, research groups, and industries. The next edition of the conference, PESGRE2022 will be held at Kovalam, Kerala, India from 2nd to 5th January 2022.

Inauguration

Keynote

Oral Session

Poster Session

From Oral Session

Tutorial Session

Exhibit Stalls

Industry Session

CONFLUENCE2020

29th to 31st January 2020

Report by Abhay Bansal

The department of Computer Science and Engineering, Amity School of Engineering and Technology (ASET), Amity University, Uttar Pradesh organized the 10th International Conference CONFLUENCE-2020, on the theme of "Cloud Computing, Data Science and Engineering" at Amity Campus, Sector-125, Noida with the support of IEEE. The three-day enthralling conference was organized in industry partnership with AWS and academically with The University of Queensland, Australia; University of Florida, USA; Western Sydney University, Australia; RMIT University, Australia; University of Canberra, Australia; Memorial University of Newfoundland, Canada; Deakin University, Australia; La Trobe University, Australia; University of Essex, UK; Liverpool John Moores University, UK; Iowa State University, USA; ESTP Paris; Curtin University, Australia; University of Salford Manchester, UK; University of South Alabama, USA; CITANDA; Melbourne Clouds Lab and Network N+i Educational Institution, France.

Confluence has been regularly held in the last ten years to ignite young minds and to be the change of tomorrow as per the vision of Honourable Founder President Dr. Ashok K. Chauhan, who himself stands as a visionary leader and an inspiration for all Amitians. The summit got initiated under the dynamic leadership of Honourable Chancellor Dr. Atul Chauhan and support of the Vice-Chancellor, Prof. (Dr.) Balvinder Shukla.

Confluence witnessed 30+ international speakers from across the globe including University of Michigan, USA; Honda Research Institute, Japan; Technical University of Madrid, Spain; Deakin University, Australia; University of South Florida, USA; Monash University, Australia; University of Waikato, New Zealand; Liverpool John Moores, UK; Cranfield University, UK; Emory University, Atlanta; Universiti Putra Malaysia, Malaysia; University of Pretoria, South Africa; University Technology Petronas, Malaysia and Open University, UK.

Honourable Chairperson, Amity Group of Schools, Dr. (Mrs.) Amita Chauhan speaking during the Valedictory session of Confluence 2020

600 research paper submissions were received on the conference theme from faculty members and Ph.D. scholars from across the globe such as United States, United Kingdom, Australia, Argentina, South Africa, Malaysia, Greece, Spain, United Arab Emirates, Indonesia, Myanmar, Nigeria, Oman, Saudi Arabia, South Korea, Bangladesh, Guadeloupe, and Yemen to name a few. With an extensive review process, 147 manuscripts which met stringent requirements of high scientific quality and significance, originality, and priority were accepted and got registered for presentation during the three days of the Conference in various technical sessions. All the papers registered will be sent to IEEE Xplore Digital Library for publication and all published papers would be indexed in SCOPUS.

The guests of honor included Prof. (Dr.) Parosh Abdulla, Uppsala University, Sweden; Prof. (Dr.) John Domingue, Professor, Open University, UK; Prof. (Dr.) Mike Hinchey, Director of Lero & Professor, University of Limerick, Ireland; Dr. Kazuhiro Nakadai, Professor, Honda Research Institute, Japan and Prof. (Dr.) Bernhard Pfahringer, Waikato University, New Zealand, alongside Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Patron, Confluence 2020; Prof. (Dr.) Abhay Bansal, Jt. Head, ASET & HoD CSE; Prof. (Dr.) M.K. Pandey, Jt. Head, ASET; and Dr. Abhishek Singhal, Deputy HoD(CSE), ASET.

Prof. (Dr.) Balvinder Shukla shared Confluence's vision to promote the spirit of waving the flags of research and innovation in order to infuse one and all with the essence of being the change of the globe and to build a solid foundation in technology. Prof. (Dr.) Abhay Bansal motivated the students to use this golden opportunity through concrete interactions with the renowned academicians.

Through a range of keynote speeches, special sessions like CXO Forum and plenary sessions, participants witnessed new ways to deal with the challenges faced in cutting-edge areas of cloud computing, data science and engineering. The conference highlight was the first ever AWS Workshop on Cloud Computing, wherein it's speaker Mr. Pratap Singh, a technical instructor at AWS, sparked a sense of motivation in the students by telling them about Amazon's journey and how it caters to million+ customers, comprises of a vast ecosystem of products and is a part of the leader's quadrant for the 9th year.

During the Conference, Amity University signed MOUs with University of South Florida, USA; Eastern International University, Vietnam and LOI with University of Waikato, New Zealand to augment the ties between the organizations and profit from the inter disciplinary research. The MoU signing and collaboration session was chaired by Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity University. Valedictory Session was graced by Chairperson, Amity Group of Schools, Dr. (Mrs.) Amita Chauhan. Top officials from Ministry of Human Resource Development Innovation Cell, Government of India and National Board of Accreditation (NBA) graced the event. Amity Researcher Awards were conferred upon distinguished researchers and academicians for their significant contribution in their respective fields. Amity University also conferred Honorary Professorship to following eminent scientists, during Confluence 2020:

- Prof. (Dr.) Parosh Abdulla, Uppsala University, Sweden
- Prof. (Dr.) David Chesney, Michigan State University, USA
- Prof. (Dr.) Frada Burstein, Monash University, Australia
- Prof. (Dr.) Bhuvanesh Unhelkar, University of South Florida, USA
- Prof. (Dr.) Bernhard Pfahringer, University of Waikato, New Zealand
- Prof. (Dr.) John Domingue, Open University, UK
- Dr. Kazuhiro Nakadai, Honda Research Institute Japan
- Dr. Sushil Chandra, Scientist 'G'- INMAS, DRDO, Delhi
- Prof. (Dr.) Shanika Karunasekra, Melbourne University, Australia
- Prof. (Dr.) Ankit Agrawal, Northwestern University, USA

The colloquium concluded by presenting leadership awards to the leaders in business excellence from Microsoft, ASUS, Inxee, Gesture Research, Lakshmi Kumaran & Sridharan Attorneys, Nokia, SSRX, Hungama Digital and THALES India. Showcasing the heritage of India, the audience was entertained through an exceptionally well performed series of cultural events. Further, to help foreign delegates explore and get a taste of the diverse Indian culture, the university arranged a trip to Taj Mahal, Agra.

Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Patron, Confluence 2020, Prof. Dr. Abhay Bansal, Jt. Head, ASET & HoD, CSE Dept., Dr. W. Selvamurthy, President, Amity Science, Technology & Innovation Foundation and International Delegates releasing the Proceedings of Confluence 2020

Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity University and Prof. (Dr.) Abhay Bansal, Jt. Head, ASET & HoD, CSE Dept. with the International Speakers and faculties during MoU Signing and International Collaboration Session of Confluence 2020

ICISCT2020

Written by Saifullah Baloch, Sectional Student Representative for IEEE Karachi Section

IEEE Karachi Section Computer Chapter organized the 2nd International Conference on Information Science and Communication Technology (ICISCT) on 8th – 9th February 2020 with more than 400 participants. There were 35 volunteers involved in making this event successful. 202 papers were submitted, in which 48 papers were accepted. The acceptance rate was 23%.

Leila De Floriani, IEEE Computer Society President send a video message in which she congratulated the organizing team (https://www.facebook.com/DCS.UOK.ICISCT/videos/720286991834983/). The Chairman of Prime Minister's National Task Force on Science and Technology, Prof. Dr. Atta-ur-Rahman, was the Chief Guest and he shared the importance of the 12 disruptive technologies. He informed the audience that the Pakistani Government would spend around Rs 50 billion in areas such as Artificial Intelligence, IoT, Big Data etc. The guest of honor, member of the National Assembly, Dr. Syeda Shahida Rehmani remarked that IT is changing the world. Acting VC of KU, Prof. Dr. Khalid Mahmood Iraqi emphasized on shaping the future of sustainable development in the area of ICT.

Prof. Khalid Iraqi said that unprecedented advancements in IT and communications had their strong impact on social, economic, political and all other fields of life. Chairman for DSC, Prof. Dr. Muhammad Sadiq Ali Khan shared the areas of the conference, with the Conference Co-Chair, Prof. Dr. B.S. Chowdhry, appreciated the broad platform offered by ICISCT. Prof. Dr. Jonathan Andrew Ware from the University of South Wales, United Kingdom presented keynote address and shared the health and safety issues of construction workers. Dr. Jim Buckley from the University of Limerick, Ireland focused on helping software developers to undertake the complex tasks. Dr. Raziq Yaqub from the Alabama A&M University, US delivered his keynote address on Cyber Secure Electric Areal Vehicles (Drones), while Mohammad Helmy Abd Wahab from Universiti Tun Hussein Onn Malaysia, enlightened the audience on Internet of things: Moving Forward to IR4.0. Last but not least, Dr. D.M. Akbar Hussain from the Department of Energy Technology Section for Power Electronics Systems presented his keynote address on 'Bayesian Framework to Determine Strengths and Weaknesses of Nodes in Social Networks'.

iCoMET2020

Written by Saifullah Baloch, Sectional Student Representative for IEEE Karachi Section

With the theme "Idea to Innovation for Building the Knowledge Economy", the 3rd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET2020) was held at Sukkur IBA on 29th - 30th January 2020. Technically sponsored by the IEEE Karachi Section, the conference attracted 450 participants and 19 Keynote speakers from more than 30 countries including USA, UK, Italy, Canada, France, Netherlands, Norway, China, Poland, Spain, Korea, Turkey, Malaysia, Pakistan etc. 490 papers were submitted to the conference, with an acceptance rate of 30%.

Day 1 began with the address by the Conference Chair Dr. Rida-e Zenab, followed by a welcome speech from the VC Sukkur IBA University Prof Nisar Ahmed Siddiqui. Prof. Asghar Qadir from Abdul Salam University of Lahore gave the opening talk on Quantum Mechanics. Dr. Paolo Bottoni from Sapienza University of Rome addressed on the model for reasoning on transactions and smart contracts. Dr. Yasar Ayaz, Chairman of NCAI, Pakistan talked about AI for everyone. Prof. Izzatdin Abdul Aziz from UTP Malaysia talked about the applications of AI in oil and gas industries. Dr. Nouman M Durrani gave a keynote on distributed suspicious activity detection using lightweight deep learning models.

Dr. Umer Hayat from QAU, Islamabad shared his research on cubic curves geometry and its applications. Dr. Kijti Rodtes from Naresuan University, Phitsanulok, Thailand gave a talk on generalized matrix functions. Mr Roozbeh Aliabadi, CEO of US ReadyAI spoke about AI and the future of higher education. Prof. Dr. Mukhtiar Unar, Dean MUET addressed on swarm intelligence and its engineering and scientific applications. The Chief Guest, the Chair for IEEE Karachi Section Prof. Dr. Bhawani Shankar Chowdhary appreciated the efforts of the VC Sukkur IBA University and said this conference offered help in establishing Sukkur Subsection.

Day 2 started with a keynote speech by Dr. Peter Hines, University of York, UK on inverse semigroups in mathematics and computer science, followed by a talk by Dr. Dil Muhammad Akbar Hussain, Aalborg University Denmark on renewable energy conservation by wind. This is followed by Dr. Woojin Seok from KISTI Daejon, Korea who lectured on government-driven research network for science knowledge. Dr. Zeeshan Bhatti from UOS Jamshoro addressed the current trends and practices in graphics animation and game development. Dr. Sadiq Ali Khan of UOK Karachi delivered talk on security challenges for the future computing systems.

Prof. Dr. Saeid Azam from University of Isfahan, Iran gave his keynote talk on group of lie type in extended affine lie theory. Dr. Imran Ashraf gave his speech on memory and communication profiling for accelerator-based platforms. Dr. Imran Anwer from G.C University Lahore gave his talk on algebraic characterization of discrete geometrical objects. Finally, Mr. S. Suleyman Turnaoglu from Dantec Dynamics gave a keynote on the latest post-processing techniques in experimental fluid mechanics. The conference was concluded with thanking remarks by Registrar SIBA University and Conference Chair Ms. Rida Zehra.

K. J. RAY LIU
Candidate for 2021 IEEE President–Elect

IEEE Advancing Technology for Humanity

K. J. Ray Liu

2019 IEEE Vice President Technical Activities

2016-17 IEEE Board of Directors

2012-13 IEEE Signal Processing Society President

Distinguished University Professor of University of Maryland, College Park

kjrliu@umd.edu

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Why am I Running?
Let's together build a better future for IEEE.

I am simply one of YOU. I started as a student member over 35 years ago. I read IEEE journals, I attend IEEE Conferences, I use IEEE Standards, I participate in IEEE webinars, and I enjoy attending local Chapter events. I have also volunteered time to make IEEE a better place for all of us, starting with IEEE's Signal Processing Society and moving up to overseeing all of IEEE's Societies and Councils as Vice President, Technical Activities, and being a member of IEEE's Board of Directors. I understand the issues you are facing in your professional lives, whether getting started after graduation, excelling or struggling in academia or industry, or prospering in the "Gig economy" as an entrepreneur. I am running to represent YOU to make IEEE more relevant and useful for all of us!

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As a non-profit organization, IEEE's key thrusts are promotion of technical excellence, thought leadership, and facilitation of collaboration and networking, rather than amassing profits. I pledge to:

Provide greater value to you through new products and services:

- As the creator of IEEE DataPort, pursue more opportunities in data and analytics for open science and reproducible research
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- Develop global strategies to offset political and geographic walls against equal participation
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Who am I?

Professor: I am a Distinguished University Professor of University of Maryland, College Park, where my group conducts research encompassing broad areas of information and communications technology with recent focus on wireless AI for indoor positioning and wireless sensing.

Entrepreneur: I am a founder of high-tech start-ups. As the founder of Origin Wireless, my invention of Wireless AI won the 2017 CEATEC Grand Prix award, and a product is available as Linksys Aware, over 150 countries worldwide, which won the CES 2020 Innovation Award.

Awards/Honors: I am recognized by Web of Science as a Highly Cited Researcher, and I am a fellow of IEEE, AAAS, and U.S. National Academy of Inventors. I am a recipient of the 2016 IEEE Leon Kirchmayer Award on graduate teaching and mentoring, IEEE Signal Processing 2014 Society Award, IEEE Signal Processing Society 2009 Technical Achievement Award, and over a dozen of best paper awards.

To Learn More? Visit www.rayliu.org.

The opinions expressed are those of the author and not necessarily the opinions of the IEEE.

IEEE President Elect 2021 – S K Ramesh

Position Statement

The IEEE is the world's largest professional technical organization that is synonymous with excellence. Our members are the heart and soul of IEEE and create enormous value for the Institute through their contributions.

My # 1 priority is to serve our members and strengthen IEEE. I will work to empower and enable the IEEE Board and Staff to serve our members with clear strategic goals, measurable outcomes, and transparent fiscal leadership.

If elected, my priorities are to:

Grow IEEE globally by promoting a culture of collaboration, transparency, and inclusion; Strengthen affinity groups including Women in Engineering (WiE), Young Professionals (YP's) and Entrepreneurs.

Offer easy access to continuing education programs, industry focused workshops and conferences to keep members technically current.

Increase the value of standards, conferences, and publications.

Engage members and support their ongoing professional and career needs.

Empower our diverse worldwide membership to build leading edge technical communities and nurture strategic partnerships that lower barriers and enhance innovation.

Energize, and incentivize members to keep IEEE at the forefront of future technical directions in new and emerging areas such as 5G, IoT, Smart Grid, Cloud Computing, the Brain Initiative, and Ethically Aligned Design.

Vision and Values

Working together to make IEEE the pre-eminent membership organization of the 21st century.

IEEE has been an integral part of my technical professional life for almost four decades. I cherish my experiences in the IEEE working with diverse and inclusive teams of volunteers and staff, to serve our members, the profession and the public. The values that I have learned from these interactions are the ones that sustain and drive me every single day in support of IEEE's mission "Advancing technology for humanity". Collaboration is the key and cornerstone to our success. We are a team – volunteer led and staff supported. I am excited about our collective future and the opportunities that lie ahead for the IEEE. Feel free to contact me with your questions, ideas, and suggestions.

It would be an honor and a privilege to serve you and the IEEE as your 2021 President-Elect to bring this vision to fruition. I humbly request your vote in the upcoming elections. Thanks in advance for your participation in the elections and your support.

S. K. Ramesh,
2021 IEEE President-Elect Candidate

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S. K. Ramesh
For 2021 IEEE President-Elect

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- Increase the value of standards, conferences, and publications.
- Engage members and support their ongoing professional and career needs
- Empower our members to build leading edge technical communities
- Energize, and incentivize members to keep IEEE at the forefront of future technical directions

www.rameshsk.com
email: s.ramesh@ieee.org

BIOGRAPHY

S. K. Ramesh

Director, AIMS[2] Program, and
Professor of Electrical and Computer Engineering
California State University, Northridge, USA

Ramesh is a Professor of Electrical and Computer Engineering at California State University's College of Engineering and Computer Science in Northridge where he served as dean from 2006-17. He is the founding director of the university's Attract, Inspire, Mentor, and Support Students program, (AIMS[2]), supported by the U.S. Department of Education and recognized nationally and internationally for enhancing the graduation of underrepresented minorities in engineering and computer science. He has served with distinction on two of the largest campuses in the California State University system for the past 33 years as a dean, department chair, and faculty member. As dean, he created an interdisciplinary master's degree program in assistive technology engineering to serve students and meet emerging workforce needs.

Ramesh has been an active IEEE volunteer for 38 years and has served in several leadership roles on the IEEE Board of Directors, IEEE-HKN Board of Governors, ABET Board of Directors, and as IEEE's representative on the ABET Board of Delegates. He has served on the 2018 IEEE Fellows Committee, the 2017-18 IEEE Strategic Planning Committee, and as 2016-17 Vice-President of Educational Activities and Chair of the Educational Activities Board, and 2016 President of IEEE-HKN (the Electrical Engineering Honor Society).

Ramesh's research interests cover high-speed optical communication systems, devices, and electronic circuit design. He was elevated as a Fellow of the IEEE in 2015 and recognized for his contributions to entrepreneurship in engineering education.

Major IEEE Accomplishments (selected)

Vice President Educational Activities (2016-17)
- Restructured IEEE Educational Activities with immediate impact on continuing education products and services
- Co-championed the IEEE Learning Network (ILN) as a one-stop shop for all IEEE continuing education products and services
- Championed Try Engineering Summer Camps program
- Enhanced EPICS in IEEE program with an MOU with Purdue University

President IEEE-HKN (2016)
- Expanded IEEE-HKN globally to serve all 10 Regions in IEEE
- Revived dormant chapters, attracted professional members, and increased industry support

ABET Board of Directors/Board of Delegates
- Serves as an IEEE program evaluator performing several domestic and international accreditation site visits. (2010 onwards)
- Served on Global Council, Governance and Finance Committees (2015 onwards)
- Serves as Director of the Engineering Area Delegation (EAD) representing 32 member societies including IEEE, with ABET accredited engineering programs worldwide

Regional and Technical Activities
- Served on IEEE Fellows Committee (2018)
- Served on IEEE e-Learning Library Editorial Board, as Associate Editor-in-Chief (2012-13)
- Served IEEE Region 6 in several roles at the Area, Section, and Chapter levels (1989-2006)
- Founding Chair of the IEEE Photonics Chapter (Sacramento Section)

Conferences
- Chaired IEEE Exhibits Program Strategic Summit, University of Pretoria (2015)
- Reviewer and Program Technical Committee Member IEEE International Conference on Communications (ICC 2001-03)
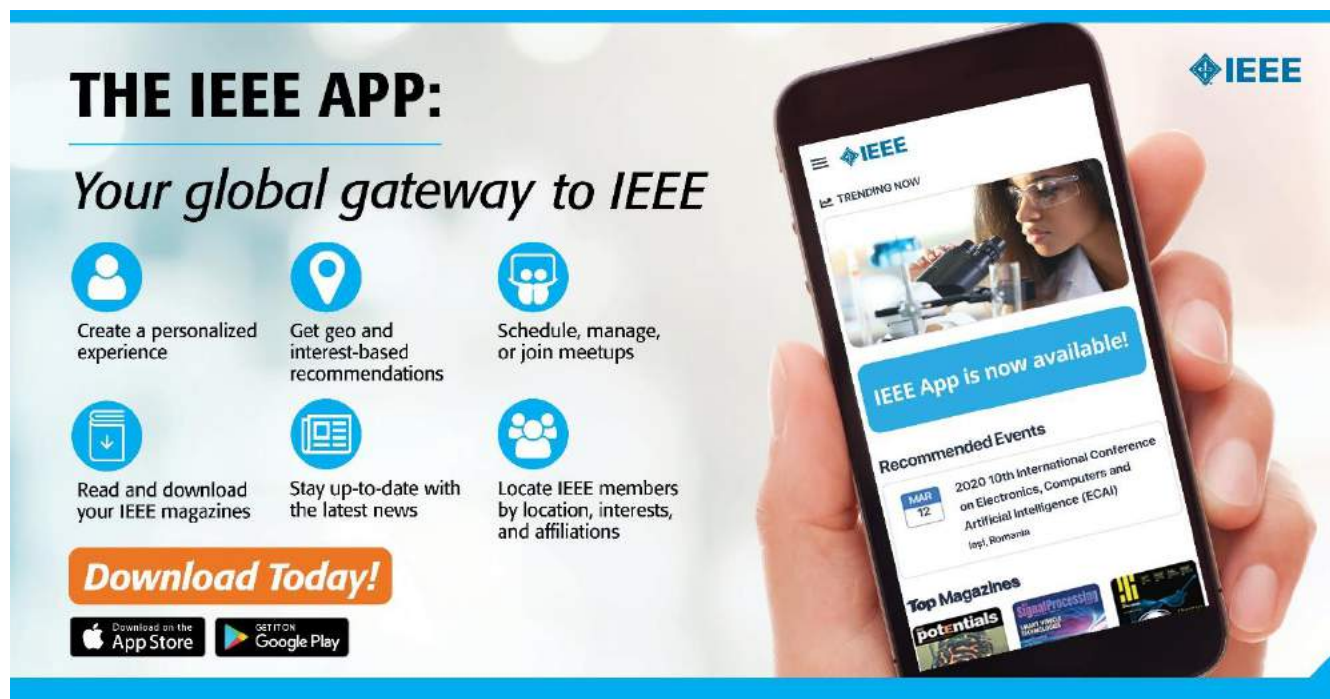
Honors and Awards (selected)

- Elevated to rank of IEEE Fellow, 2015.
- IEEE CSU Northridge Student Branch, Leadership Award, 2011, and 2009.
- Most Improved Chapter Award, Sacramento Chapter of the IEEE Lasers and Electro-Optics (LEOS) Society, 2005-06.
- IEEE Region 6 Community Service Award for leadership in developing and offering high school teachers workshops to promote engineering education, 2004.
- CSU Sacramento IEEE Student Branch, RAB Membership Growth Award, Region 6, 2002-03.
- IEEE CSU Sacramento Student Branch, Outstanding Branch Counselor, 1999.
- Largest Membership Growth Award, Sacramento Chapter of the IEEE Lasers and Electro-Optics (LEOS) Society, 1992-93.
- Most Improved Chapter Award, Sacramento Chapter of the IEEE Lasers and Electro-Optics (LEOS) Society, 1991-92.

Awards

- "John Guarrerra Engineering Educator of the Year Award", Engineers' Council, 2012
- William B. Johnson International Inter professional Award" for leadership and contributions to the Profession", Engineers' Council, 2010
- AIMS[2] program recognized as the 2019 Baccalaureate Program of the Year by Excelencia in Education
- AIMS[2] program shortlisted as a finalist for the 2018 Global Engineering Deans Council Diversity Award, 2018
- Outstanding Faculty Award, Phi Beta Delta, 2018
- Distinguished Alumni Award, NIT Trichy, India, 2007.

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SECTION AND SUBSECTION ACTIVITIES

5. SECTION AND SUBSECTION ACTIVITIES

Hyderabad Section

Mousmi Ajay Chaurasia, Execom Member for IEEE Hyderabad Section

Students Congress at IEEE Guntur Subsection

A 2-day "Zonal Student Congress - 2020" was organized on 3rd – 4th January 2020 by IEEE Guntur Subsection in association with IEEE Student Branch of VFSTR (Deemed to be University) at Seminar Hall. The theme was "Capabilities for Industry 4.0" and specially focused on providing a platform to all the Student Branches of Guntur Subsection to come together, share their thoughts, ideas and the best practices, and to learn and gain knowledge from industry leaders and each other. The opening keynote was from Sri D. Rama Krishna, CEO of Efftronics Systems Pvt. Ltd, Vijayawada. He shared about industrial revolutions across the globe. In total 45 participants attended the congress.

Students Congress at IEEE Vizag Bay Subsection

IEEE Vizag Bay Subsection organized Student Congress with the theme Sustainable Employment with Industry 4.0 on 25th January 2020. More than 150 students across Andhra Pradesh attended the event. Events such as project expo, student branch exhibits, technical talks and cultural events were part of the schedule of the congress. Prof. V. Krishna Mohan, Registrar, Andhra University and Dr. B.K. Sahu, Regional Manager, NRDC IPFC &TISC, Government of India delivered expert talk on the idea of entrepreneurship, patents and the current scope for invention and research. Ice breaking session with goodies has attracted many students. Mr. Murali Manohar Rao Bulusu, Vice President, Strategic marketing, Sankhya Technologies discussed on the theme Sustainable Employment and how to grow as an individual, while Dr. G. SreeLAkshmi showcased the benefits of IEEE membership.

All Hyderabad Women in Engineering Student Congress (AHWIESC)

All Hyderabad Section Women in Engineering Student Congress is the first of its kind in the history of the IEEE Hyderabad Section. This was a massive three-day event, which was the amalgamation of both technology and fun organized at Geethanjali College of Engineering and Technology, Hyderabad with the theme "Innovate for Change" from 5th – 7th March 2020. The objective was to spread the benefits of WIE membership and to eradicate the technological challenges that are being faced by women in the community. The keynote address was delivered through video by Susan Kathy Land, IEEE President Elect. Different technical and motivational talks were arranged by eminent persons from government and corporate sectors. More than 100 participants benefitted from this event.

Madras Section

S Joseph Gladwin, Treasurer for IEEE Madras Section

IEEE Madras Section Students Paper Contest (MAS-SPC)

IEEE Madras section with the objective of providing an opportunity to showcase the unique contributions and innovations of UG and PG students organized the IEEE Madras Section Paper Contest (IEEE MAS SPC-2019) on 31st August 2019 at Kongu Engineering College. IEEE MAS SPC-2019 provides an opportunity for the students to showcase their contributions and innovations and also to interact with fellow students, senior academicians and industry professionals. The inaugural function started with the prayer song and lighting of the traditional Kuthuvilakku. The function started after the formal welcome address by Dr. D. Devaraj, SAC for IEEE Madras Section. Dr. V. Balusamy, Principal, Kongu Engineering College gave the guest address and motivation to excel in the forthcoming years. He encouraged the students to commit themselves for the betterment of society. He advised the office bearers to bring out new ideas and more social relevant activities in this academic year. The presidential address was given by Dr. T. Michael Kumar, Secretary for IEEE Madras Section. He encouraged the students to volunteer themselves to organize the events of IEEE. Invited lecture was given by Dr. Ramakrishna Kappagantu on "Smart Grid Technology" to all IEEE students. Nearly 46 papers were presented in different sessions by the students. There was also a presentation on "Student Benefits & Funding Opportunities" given by Dr. D. Devaraj. The event ended with Valedictory function.

IEEE Student Congress 2019

IEEE Madras Section has organized the IEEE Student Congress 2019 on 20th & 21st September 2019 at SRM Institute of Science and Technology, Kattankulathur. The theme of the congress is "EMPOWERING YOUTH THROUGH TECHNOLOGY". The inaugural function was conducted at 10:00 AM on 21st September. Dr. D. Devaraj, Student Activities Chair and coordinator of the event welcomed the gathering and briefed the objective of the student congress to the participants. Dr. P.A. Manoharan, Chairman, IEEE Madras Section during the presidential address highlighted the various activities conducted by IEEE Madras Section for the student community. The event was inaugurated by Mr. S. Srinivasan, Vice-President & Head, Power Transmission and Distribution, Larsen & Toubro. In his inaugural address, Mr. S. Srinivasan briefed the students, about the skills to be acquired to succeed in engineering industries and motivated the students to identify the challenges in the community, and develop economical solutions to those issues. Dr. Sandeep Sancheti, Vice Chancellor, SRM IST released the proceedings of the event. The special topics are:

- Student funding opportunities and competitions in IEEE by Dr. D. Devaraj,
- Hardware in Loop by Mr. Solikutty Dhanapal,
- Electric Vehicle Technology by Mr. M.P. Prasad,
- Entrepreneurship and Innovation by Dr. Chandrasekhar Menon.

The event also had project contest in which the students have shown their innovative products. The program concluded with Valedictory function of the congress.

Sri Lanka Section

Chamika Sudusinghe, Sectional Student Representative for IEEE Sri Lanka Section

IEEE SL SECTION STUDENT BRANCH OFFICER TRAINING 2020

IEEE Sri Lanka (IEEE SL) Section Student Activities Committee organized the Student Branch Officer Training program for the fourth consecutive year with the participation of the Student Branch, Student Branch Chapter and Affinity Group representatives from all the 19 Student Branches operating under IEEE Sri Lanka Section. The program was held on 9th March 2020 at the Informatics Institute of Technology, Colombo 06.

The objective of this initiative was to keep the Student Branches and the officers informed on the responsibilities and the work ethics expected by IEEE and the ways in which they can improve the operation of the Student Branches to best serve the needs of the membership. More than 90 Student Branch officers participated in the event, and Dr. Tharaka Samarasinghe - IEEE SL Section Treasurer, Mr Pasan Pethiyagoda - IEEE SPAx Region 10 Coordinator, Mr Peshan Sampath - IEEE SL Section SAC, Mr Kavinga Ekanayake, Mr Dhammika Marasinghe - IEEE SL Section Industry Relations Coordinator, and Mr Chamika Sudusinghe - IEEE SL Section Section Student Representative joined the event as the speakers.

The program commenced with the introduction by Mr. Peshan Sampath, IEEE Sri Lanka Section Student Activities Committee Chair. After that Dr. Tharaka Samarasinghe, IEEE Sri Lanka Section Treasurer gave a speech on the potential of the student volunteers and the significant contribution from the student members for the Section. Mr. Pasan Pethiyagoda did an insightful session about the Student Branch operations which highlighted the fact on the importance of building the next generation of leadership in the student branches. Then, Mr. Peshan Sampath conducted a detailed presentation on student branch reporting and financial handling. There, the office bearers of all student branches were introduced to the "IEEE Student Branch Officer Manual" prepared by IEEE Sri Lanka Section, which assists student branches in streamlining their operations.

Later, Mr Kavinga Ekanayake did a presentation on event management and operations, and shared his experience of chairing the IEEE Region 10 SYW Congress 2015 in Colombo, Sri Lanka. Then Mr. Dhammika Marasinghe discussed the newly developed "Industry Engagement Toolkit", a supportive collection of trackers and documents to reduce the repetitive work done by organizing committees in terms of industry engagement. The final session was conducted by Mr. Chamika Sudusinghe focusing on the opportunities provided by IEEE, as well as awards, recognition and national projects of IEEE SL Section.

All the officer bearers were given an overall idea about the responsibilities and how they can make a substantial contribution while providing the opportunity for these newly elected officers to network with the other student branches. IEEE SL Section believes that the outcome of this program will be pivotal for the success of the projects carried out by the student branches over the year. An enormous support was given by the Student Branch of the Informatics Institute of Technology to successfully conduct the program this year.

Delhi Section

Prerna Gaur, Chair for IEEE Delhi Section

Rajasthan Student Congress

The first edition of IEEE Rajasthan Subsection Congress was held on 12th January 2020 at Manipal University Jaipur. It was jointly organized by IEEE Delhi section, IEEE Rajasthan Subsection and IEEE SB Manipal University Jaipur. Nearly 150 delegates from around 20 colleges attended the event. Dr. Gulshan Rai, former Chief Cyber Security Office, PMO, Government of India highlighted the importance of cyber-security in our daily lives and what future holds for this technology. Dr. Manpreet Kaur, Chair of IEEE WIE Delhi Section threw some light on how can one set-up a branch of IEEE WIE in their respective colleges. Mr. John Benedict Boggala, IEEE YP South Asia Coordinator, gave a presentation on how he leveraged the platform provided to reach exceptional success in his career. The last session for the congress was given by the founder of Gramiksha - a national level NGO, Mr. Shubham Singh where he emphasized on the importance of volunteering. The event ended with cultural events, souvenir distribution and a group photograph.

Tokyo Section

Takashi Yamada, Vice-Chair for IEEE Tokyo Section History Committee

"High Electron Mobility Transistor, HEMT" IEEE Milestone Dedication Ceremony and Commemorative Lectures

The "High Electron Mobility Transistor, HEMT", invented in 1979 was certified as a milestone in technology. The dedication ceremony for the IEEE milestone was held on 18th December 2019 at Empire Hotel Tokyo. First, Dr. Hideyuki Tokuda, Chair of IEEE Tokyo Section, gave a welcoming speech, followed by Dr. Toshio Fukuda, the then President-Elect of IEEE. Next, a plaque was presented by Dr. Toshio Fukuda to Dr. Hirotaka Hara, CEO of Fujitsu Laboratories Ltd. The plaque is to be put on display at their Laboratory in Atsugi, Kanagawa.

After the dedication ceremony, a lecture session was held with 88 participants. Dr. Isao Shirakawa, IEEE Japan Council History Committee Chair, Dr. Takashi Mimura, Fujitsu Laboratories Ltd. Honorary Fellow, Dr. Hiroyuki Sakaki, Toyota School Foundation Managing Director, Dr. Iwao Hosako, NICT Advanced ICT Research Institute Director General and Dr. Kenji Watanabe, Fujitsu Laboratories Ltd. Devices & Materials Research Center Director General gave the lectures.

Gujarat Section

Chirag Paunwala, Secretary for IEEE Gujarat Section

SAMPARK 2020

The mantra behind sustainable growth of any Student Branch is all about collaborative student activities from various places with intense interactive sessions and exchange of ideas at a common forum. For this, SAMPARK is organized by IEEE Gujarat section every year. SAMPARK as an event was initiated to act as launch pad to bring new innovative ideas, concerns facing students and common issues faced by various Student Branch and its members.

SAMPARK2020 was organized on 5th January 2020 at U.V. Patel College of Engineering and Technology by its Student Branch, with active participation from various student branches. With approximate participation of more than 400 members across Gujarat, the tag line is "Reach Out and Engage" as it's the only event which is organized by students, for students. There were various functions organized throughout the day with active participation from all student branches.

1. The event was started with poster presentation where participating branches displayed events organized during the previous year as well as shared various other events to be organized by them in the coming year. This is very important aspect as it provides new student branches an idea about good practices followed by various established branches. They also get an idea about the activities planned with potential collaborations.

2. Open forum conducted during SAMPARK2020 primarily revolves around knowing each other, sharing contacts, and developing new relation between Section ExCom and students from various educational institutes which are part of IEEE Gujarat Section. This also provided an excellent opportunity for students to discuss various IEEE related queries with the Section ExCom and plan their activity for the year.

3. Various awards were given to the student volunteers and student branches during SAMPARK2020 after scrutinizing through various parameters including volunteering activities and various events organized by them, which keep them motivated to continue the good work in future.

4. All branch counselors along with branch chairs conducted a formal meeting with ExCom of IEEE Gujarat Section which acted as a good platform to understand need of student branches, various problems faced by them with effective solution as well as support from Gujarat Section ExCom.

5. Students exhibited project and shared their idea and implementation during 'Project Presentation'. Various student branches across Gujarat came with their projects. They shared their ideas with each other. This year 17 projects have been selected for presentation and display. Top three groups have been given award for their innovative ideas.

Hiroshima Section

Chisa Takano, Secretory for IEEE Hiroshima Section

The 21st IEEE Hiroshima Section Student Symposium (HISS)

On 30th November and 1st December 2019, the 21st HISS was held at Okayama Prefectural University, Soja, Okayama, Japan. HISS has two special characteristics; one is that students themselves carry out the planning and management of the symposium, and the other is that all the technical papers in HISS are presented by students in interactive sessions. The main theme of each HISS is decided by the students. And based on the interest with students' point of view, the topics of the Keynote Speech and the Technical Lecture in HISS are selected. This year, there were a total of 290 participants (a sum of two days). In addition to 146 technical presentations, there were also a keynote speech by Mr. Soichi Kataoka, the Mayor of Soja City, Okayama Prefecture, and many presentations by industrial company, academic laboratories and high-school students.

Nagpur Subsection

Tushar Dua, Student Sectional Representative for IEEE Nagpur Subsection

IEEE Nagpur Subsection Congress 2020

The 3rd edition of IEEE Nagpur Subsection Congress (NSSC'20) was organized at G. H. Raisoni College of Engineering from 31st January to 2nd February 2020. Mr. Raj Pofale, CEO, Claim Genius Inc., was the chief guest and Mr. Arvind Kumar, Center Head TCS Nagpur was the guest of honour. They were present during the inauguration along with Dr. Sachin Untawale, Director for GHRCE, Mr. Ranjit Singh, Chair for IEEE Nagpur Subsection and Mr. Tushar Dua, Organizing Chair for NSSC'20. The program witnessed 450+ delegation representing more than 21 student branches. The congress offered sessions on finance in engineering, strategy making, justification for international affairs from an ex-navy official, art of storytelling, mental health awareness, unveiling Indian monuments, perceiving technology and engineering behind them. A specific session powered by TCS, Ngp on industrial coding and a panel discussion on youth culture were also scheduled. The congress ended with an industrial recursion encouraging fun with learning at Dinshaw's PVT LTD.

Sabah Subsection

Kenneth Teo Tze Kin, Executive Committee Member for IEEE Sabah Subsection

2020 Robocon Junior Workshop & Competition (Sabah Zone)

Robocon Junior Workshop & Competition program is an initiative from the IEEE community and education to provide early exposure to special students in terms of robotics technology and innovation. This program was made as a culture to spark more student's interest in the robotics world.

On 17th and 18th February 2020, Robocon Junior Workshop & Competition (Sabah Zone) conducted by International Islamic University Malaysia (IIUM) was successfully hosted by Universiti Malaysia Sabah (UMS) IEEE Student Branch at the Faculty of Engineering, UMS.

10 special need schools (OKU) from (1) Kota Kinabalu, Penampang, Tanjung Aru, Kelombong, (2) Sipitang, (3) Kota Marudu, (4) Papar, Kinarut, (5) Labuan had participated in this event. They have been divided into 20 groups which include 40 students and 19 teachers in total.

With the theme "Overcoming Obstacles to Success", this event has provided a platform for special need students to gain knowledge about robotics by training and enhancing their skills in robot construction, algorithm development and strategy planning. They were required to build the best pick and place robot using Microbit. With the encouragement and motivation from their teachers and IIUM's lecturers and students, they managed to program their robots to compete with one another in a short period of time. Throughout this program, their time management skill, competitiveness, adaptability and creativity were empowered. Despite the busy schedule, the students had the opportunity to pay a short visit to the famous UMS Aquarium.

CHAPTER AND AFFINITY GROUP ACTIVITIES

6. CHAPTER AND AFFINITY GROUP ACTIVITIES

IEEE Young Professionals Sri Lanka

Nishika De Silva, Editor for IEEE YP Sri Lanka

Annual General Meeting – Young Professionals Sri Lanka

The Annual General Meeting of IEEE Young Professionals, Sri Lanka (YPSL) was held on 25th February 2020 at Renuka City Hotel, Colombo 3. The meeting started with the traditional lighting of the oil lamp, followed by the national anthem. Around 50 participants were at the event. After presenting the minutes of the AGM 2019 by the secretary, the finance and event reports were presented.

The departing chairperson, Mr. Chandana Munasinghe, presented the newly elected committee for the year 2020/21. Mr. Chandana Munasinghe was elected as the Chairperson of IEEE YPSL for the second consecutive year and Dr. Akila Wijethunga was appointed as the Chair-Elect.

During his speech, the Chairman invited all the volunteers to join hands with the committee on the journey. The evening was concluded with the secretary addressing the gathering followed by refreshments and networking.

IEEE Industry Applications Society Sri Lanka Chapter

W. A. Vinura Udaraka, Chairman for IEEE IAS Sri Lanka Chapter

IAS Comrades Novel Initiative by IEEE IAS University of Moratuwa Student Chapter

IAS Comrades is a novel initiative by IEEE IAS University of Moratuwa Student Chapter, in collaboration with IEEE IAS Sri Lanka Chapter, focusing on building fellowship, membership development, creating awareness on IAS CMD Competitions and encouraging more Student Branches to initiate IAS Student Chapters.

Under Phase 1, an awareness session was held on 12th February 2020 at University of Peradeniya, conducted by Mr. Lakshitha Gunasekara, Chairman for IAS Sri Lanka Chapter and Mr. Tharindu Suraj, winner of

Myron Zucker Undergraduate Student Design Contest 2018 and IAS CMD Student Robotics Demonstration Contest 2019. The event saw the participation of 10 IEEE members and 30 guests.

Phase 2 was held on 10th March 2020, and comprised a similar session for the undergraduates at University of Moratuwa, with an additional focus on membership development. The session was conducted by Mr. Tharindu Suraj and Mr. Vinura Udaraka, Chairman for IEEE IAS University of Moratuwa Student Chapter. 5 IEEE members and 40 guests attended the session. Leaflets with details about competitions were also distributed under Phase 2.

Phase 3 will be held at University of Jayewardenepura with the aim of guiding its Student Branch to establish a new IAS Student Chapter.

IEEE Electronic Devices Society Malaysia Chapter

Maizatul Zolkapli, Secretary for IEEE EDS Malaysia Chapter

EDS Technical Talk: Solar Photovoltaic (PV) Energy for a Sustainable Greener World at German-Malaysian Institute

In collaboration with the GMI (German-Malaysian Institute), the IEEE EDS Malaysia Chapter conducted a Technical Talk on "Solar Photovoltaic (PV) Energy for a Sustainable Greener World". The talk was delivered on 26th February 2020 by Prof. Dr. Nowshad Amin, the strategic hire Professor and Advisor to the Solar Photovoltaic Research wings of University Tenaga Nasional (@UNITEN, The National Energy University). About 80 participants from GMI attended the talk and derived an immense knowledge from the presentation. The Strategic Planning and Business Development Unit of GMI sponsored the event to create more awareness on on-going global warming issues together with the introduction of Solar Photovoltaic Energy technologies as one of the possible solutions.

IEEE Dielectrics and Electrical Insulation Society Malaysia Chapter

Raymond Wong, Secretary for IEEE DEIS Malaysia Chapter

PTeC and MyHvnet Colloquium

The 2020 Power Technology and Research (PTeC) and Malaysian High Voltage Network (MyHVnet) Colloquium was successfully held at the Universiti Teknologi MARA (UiTM), Penang, on 3rd February 2020. The colloquium, co-organised by IEEE Dielectrics and Electrical Insulation Society (DEIS) Malaysia Chapter, MyHVnet and UiTM, has seen a strong presence of the high voltage community in Malaysia, as well as members of the IEEE DEIS Malaysia Chapter.

In the 2020 PTeC and MyHVnet Colloquium, the topics of interest have been expanded to include high voltage, power systems, power electronics, and renewables. The colloquium which was attended by around 50 participants, consisted of 2 keynote speeches and about 40 paper presentations.

The colloquium serves an excellent opportunity for researchers and engineers to present and discuss their latest findings. The DEIS Malaysia Chapter wishes to thank all committee members and participants for making the colloquium a success.

IEEE Power and Energy Society Sri Lanka Chapter

Akila Wijethunge, Secretary for IEEE PES Sri Lanka Chapter

Annual General Meeting and Family Get Together

The Annual General Meeting and the family get together of IEEE PES Sri Lanka Chapter was held on 9th February 2020 at Purple Sun Resort, Awissawella. The AGM was successfully conducted with the participation of around 16 PES members including past ExCom members, senior PES members and graduate student members. IEEE PES members participated for the event and it was also a fruitful meeting with lots of new ideas and networking with PES members. The discussions were made to strengthen the IEEE PES Sri Lanka chapter membership by conducting awareness sessions, activating IEEE PES student chapters, organizing field visits and hosting the PES Day 2020. After the AGM, the families of PES membership enjoyed the get together at the attractive venue.

IEEE Signal Processing Society Malaysia Chapter

Mohd Norzali Hj Mohd, Executive Committee Member for IEEE SPS Malaysia Chapter

IEEE SPS Malaysia Chapter was Awarded an MDI Grant of US$4,655

IEEE Signal Processing Society Malaysia Chapter was awarded the SPS Member-Driven Initiative (MDI) grant of US$4,655.00 to conduct their Professional Knowledge Series 2019 program. The objective of the program was to expose school students to the tools required for a career in signal processing. It was an attempt to bring more information to them before they make their career decisions and hence influence their attitude towards

engineering and signal processing. Promotions of other SPS Malaysia Chapter activities help motivate student attendees and volunteers to join the IEEE and SPS in the future.

3 main activities were undertaken via this grant:

- Fast4wrd IoT Racing Championship, in conjunction with PECIPTA2019 on 22nd – 23rd September 2019. The event attracted 70 participants (22 IEEE members),
- Arduino Programming for Robot Development, on 13th – 14th September 2019 at Pusat Pengajian Ibnu Razak, Negeri Sembilan,
- Arduino Programming using mBlock at SK Seri Timbul, Batu Pahat, Johor in August 2019. The event was participation by 80 attendees (15 IEEE members).

IEEE Systems, Man and Cybernetics Society Malaysia Chapter

Norain Mohd Yusoff, Executive Committee Member for IEEE SMC Malaysia Chapter

ROBOTIC SEMINAR

IEEE SMC Malaysia Chapter held a Robotic Seminar at University Putra Malaysia, Serdang, on 6th March 2020. Associate Professor Dr. Hanafiah Yussof, the CEO of Roboprenuer Sdn Bhd. and distinguished founder of the 1st Malaysian Humanoid Robot, shared his experiences and insights on humanoid robots and the future of robotics for research and the industry.

The seminar, which took place at Radin Umar Auditorium, University Putra Malaysia, Serdang, aimed to promote robotic awareness and show demonstration to inspire researchers and students. This one-day successful seminar, conducted in collaboration with the student club CCSE and Roboprenuer Sdn Bhd, was opened to public and attended by 120 participants.

COMMUNITY ENGAGEMENT: LAUNCHING OF IEEE SMC'S (M) FACEBOOK SITE

To engage current members and recruit new members, IEEE SMC Malaysia Chapter launched its Facebook (FB) page on 15th February 2020. Since the IEEE SMC (M) FB page was created, many posts have been shared with FB followers including conferences, events and researchers of the month. Please visit our FB page, like, comment or share. Do not miss our interesting updates!! Follow us on FB:

https://www.facebook.com/IEEE-SMC-Malaysia-Chapter-111167490463673/

IEEE AP/MTT Bangalore Joint Chapter,

Chandrakanta Kumar, Secretary for IEEE AP-MTT Bangalore Joint Chapter

One-day Workshop on Antenna Analysis, Applications and IEEE Authorship

The one-day workshop consisting of three events was organized at RV college of Engineering on 22nd February 2020. It was attended by 80 Participants (37 IEEE members and 43 non-IEEE members).

Event 1: Inauguration of the IEEE APS Student Chapter (STB11651)

The Student Chapter was inaugurated by Prof. K. S. Geetha, HoD for ECE Department, Dr. Chandrakanta Kumar, Secretary for AP-MTT Chapter, Prof. S. Ravishankar, and Prof. M. Uttara Kumari, BC of RVCE SB.

Event 2: Technical talks

Two technical talks were organized: "Different aspects of RF links in a practical space borne systems" by Dr. Chandrakanta Kumar and "Structurally integrated Antennas for Airborne Platforms" by Dr. Balamati Choudury from National Aerospace Laboratories.

Event 3: IEEE Authorship Workshop

This workshop had two sessions; one by Dr. Dhanu Pattanashetti, IEEE India Office and the next session was delivered by Dr. Chandrakanta Kumar. The various aspects involved in writing technical papers for IEEE journals and conferences were discussed.

IEEE AP/MTT/EMC Islamabad Joint Chapter

Nosherwan Shoaib, Chair for IEEE AP/MTT/EMC Islamabad Section Jt. Chapter

Activity Updates

1. The IEEE AP/MTT/EMC Islamabad Section Joint Chapter organized a 2-day IEEE International Workshop on RF & Microwave exclusively focused on antenna design challenges for automated and connected driving, electromagnetic compatibility/interference (EMC/I), energy efficient future wireless communication and engineering applications of electromagnetism. It was held at the Research Institute for Microwave and Millimeter-Wave Studies (RIMMS), National University of Sciences and Technology (NUST), H-12 Campus, Islamabad, Pakistan on 26th – 27th November 2019. Prof. Fan Yang from Tsinghua University, China, Prof. Matthias A. Hein from TU Ilmenau, Germany and Prof. Nuno Borges Carvalho from Universidade de Aveiro, Portugal were the international key speakers. The workshop was attended by a total of 120 participants

2. A seminar on Challenges of Antenna Design and Testing for Automated and Connected Driving was held at NUST-SEECS in November 2019. The invited speaker was Prof. Hein Matthias from TU Ilmenau, Germany who highlighted the importance of R&D in the area of automated and connected driving. The seminar was attended by a total of 80 participants. Another seminar on Near-Field Meta-Steering and Development of Passive Energy Efficient Satellite-Terminal Antennas was held in December 2019 at NUST-RIMMS. The invited speaker was Dr. Usman Afzal from Macquarie University, Australia who highlighted the importance of R&D in the area of beam steering antennas. The seminar was attended by a total of 60 participants.

3. The IEEE AP/MTT/EMC Islamabad Section Joint Chapter at NUST-RIMMS has been awarded the "Outstanding MTT Chapter Award for 2018" among existing MTT chapters worldwide, for its exceptional activities and performance. It is an achievement for the chapter and indeed a motivation to continue the chapter activities with

full zeal to serve the community in full capacity. The chapter, first of its kind in Pakistan, was established 2.5 years ago with the aim to leverage the wide network of IEEE for the benefits of graduate students & faculty and to promote the teaching & research collaboration in the region. The chapter has conducted various national and international themed workshops and seminars via distinguished lecturers from RF & microwave societies. The award was presented to Chapter Founder & Chair, Dr. Nosherwan Shoaib, and Co-Chair, Dr. Hammad M. Cheema, during the 2019 IEEE Islamabad Section Annual General Meeting that was held on 19th December 2019 at Islamabad Club. Dr. Nosherwan also presented the chapter's yearly performance summary which was appreciated by IEEE Islamabad Section members.

STUDENT BRANCH AND STUDENT CHAPTER ACTIVITIES

7. STUDENT BRANCH AND STUDENT CHAPTER ACTIVITIES

IEEE Uva Wellassa University Student Branch [Sri Lanka Section]

Chamali Basnayake, Secretary for IEEE Uva Wellassa University Student Branch

SHECODERess V3.0

SHECODERess V3.0 is the first ever inter-university girls' only 12 hours' hackathon in Sri Lanka which was organized by the IEEE Uva Wellassa University WIE Affinity Group for the third consecutive year. The hackaton was held on 2nd and 3rd November 2019 from 4.00 p.m. to 8.00 a.m. at the Uva Wellassa University premises in Sri Lanka.

The opening ceremony was commenced with the arrival of chief guest Dr. Jeevani Jayasinghe (Secretary - Executive Committee IEEE Sri Lanka section, Immediate Past Chair – WIE Sri Lanka Section), representatives from ISMAPAC, LSEG and Mrs. Harshani Wickramarathna, the Student Counselor for IEEE Uva Wellassa University WIE Affinity Group, Dr.Sandya Kumari, Student Counselor for IEEE Uva Wellassa University Student Branch and Head for Department of Computer Science and Informatics. 53 teams actively participated in the event from different state universities as well as from private universities.

IEEE UCET - The Islamia University of Bahawalpur Student Branch [Bahawalpur Subsection]

Abuzar Qureshi, Chair for IEEE UCET-IUB SPS Student Chapter & Shafiq Bhutta, Editor for IEEE UCET-IUB Student Branch Newsletter

The 3rd IEEE SPAA Week

The 3rd IEEE SPAA Week 2020 was held at the UCET-IUB on the 14th January 2020 with 90 participants (35 IEEE members). The main objective of the event was to polish the professional skills of the students. The event consisted of four sessions. The first session on "Professional Ethics" was delivered by Muhammad Bux Alvi. He shared the importance and impact of ethics in our professional lives. The second session was conducted by Saqlain Sher, HR-Manager PTCL, on the "Mock Interview & CV Writing". He delivered a talk on basics of CV and Interviews; afterward mock interviews were conducted for practical demonstration.

The third seminar on "Effective Leadership Skills" was given by Muhammad Ilyas, GM-Technical, PTCL. He discussed the most important leadership skills and how to acquire them.

Finally, the last session was delivered by Dr. Muhammad Ali Qureshi on "A Professional Adventure: Search for Job" that mainly focused on effective job hunting techniques and available opportunities.

IEEE University of Moratuwa Student Branch [Sri Lanka Section]

Randima Hasanthi, Secretary for IEEE University of Moratuwa Student Branch

IEEE Open Day 2020

IEEE Open Day 2020, the annual IEEE awareness day and recruitment University of Moratuwa, was successfully organized by the IEEE University of Moratuwa Student Branch on 5th March 2020 from 4.30 pm onwards with over 300 participants.

Mr.Chanuka Sudesh, a well-known educational Youtuber, Instagram Influencer and a Cinematographer popularly known as "Chanux Bro", was the Guest Speaker who enlightened the young minds with his inspirational thoughts and tips to be successful entrepreneurs. Prof. Ruwan Gopura, Chairman for IEEE Sri Lanka Section, Dr. Tharaka Samarasinghe, Treasurer for IEEE Sri Lanka Section, Prof. Sisil Kumarawadu, Student Branch Counselor and Mr. Peshan Sampath, Chairman for Student Activities Committee of IEEE Sri Lanka Section gave their insight to the audiences on how to start their IEEE career and path. Additionally, audiences got the opportunity to know more about Student Branch and Chapters by visiting the stalls arranged.

IEEE University of Colombo School of Computing (UCSC) Student Branch [Sri Lanka Section]

Oshan Mudannayake, Chair for IEEE UCSC Student Branch

GameRush 2019

Game Rush was a 24-hour game development hackathon organized by the IEEE UCSC Student Branch. This is a hackathon aimed at building some unique and interesting games. This hackathon was open to university undergraduates all around the country who are or aspire to become game developers. As initial preparation, a series of workshops about Game Development with the contribution of experts in the industry were held prior to the hackathon. The key objective was to enhance the game development skills of the students. At the end of the workshop series, the registrations for the final hackathon were opened. The top 10 proposals from over 25 mind-blowing proposals were selected for the final hackathon which was held on 30th November 2019 from 8.00 am onwards at UCSC premises. GameRush was eventually awarded the 'Best Student Branch Activity of the Year Award' at SLSYWC 2019.

IEEE BMSIT&M Student Branch [Bangalore Section]

Pranav Raikote, Chair for IEEE BMS Institute of Technology & Management Student Branch

Activities of IEEE BMSIT&M Student Branch

IEEE BMSIT&M Student Branch is an enthusiastic student organization that aims to organize events that provide an opportunity for student members to enhance and develop their skills to help them become efficient engineers and leaders. Self Defence Workshop was organized on 6th February 2020 as part of Women's Day celebrations, led by Gaurav Sethia, Vice Chair for IEEE BMSIT&M Student Branch which was attended by 15 participants.

My Mic, My Rules was organized on 29th February 2020 with 15 participants, aimed at providing a platform for students to be open to ideas and enhance public speaking skills. Previously, IEEE Day was celebrated on 12th October 2019 at the campus, led by Swati Sandhya, Chair for IEEE BMSIT&M Computer Chapter, with a lot of zeal by all the student members to create awareness about the organization. Girl Geeks events were scheduled on two Saturdays in August and September 2019 which aimed at teaching Neural Networks to 50 participants.

IEEE University of Ruhuna Student Branch [Sri Lanka Section]

Amaya Jayasinghe, Secretary for IEEE University of Ruhuna WIE AG

EMINENCE 1.0

EMINENCE 1.0 competition is the first ever competition organized by the IEEE University of Ruhuna Women in Engineering (WIE) Affinity group with the vision to empower the undergraduate women engineers and to inspire girls to follow their innovative and competitive capabilities in engineering

and science. The competition was held on 8th December 2019 at the Department of Electrical and Information Engineering, University of Ruhuna from 7.00 a.m. to 3.00 p.m. as one-day event.

EMINENCE 1.0 was arranged under a formation of maximum 4 members per team with over 50% female participation. The competition consisted of four different tasks covering four major areas in Electrical and Information Engineering aspects: lighting design, telecommunication network design, software challenge and electronic design. With the contribution from the organizing committee, EMINENCE 1.0 competition was able to achieve a resounding success with 72 contestants in 2019.

IEEE University of Malaya Student Branch [Malaysia Section]

Hazlee Azil Illias, Counselor for IEEE University of Malaya Student Branch

ICCECN2020 Conference Successfully Held

The first International Conference on Communication, Electrical and Computer Networks (ICCECN2020) had been successfully organized at the Faculty of Engineering, University of Malaya, Kuala Lumpur, Malaysia on 1st and 2nd February 2020. The conference was co-organized by the Faculty of Engineering, University of Malaya, IEEE University of Malaya Student Branch and Faculty of Computer Science and Information Technology, University of Malaya. The conference was attended by 40 participants from several different countries.

The objectives of ICCECN2020 were to share the latest research and development in the field of communication, electrical and computer networks among students and researchers from public and private academic institutions, and to provide a platform for students and researchers from various affiliations to meet and discuss common research interests.

ICCECN2020 comprised of four main tracks, which include Communication Systems and Networks, Electronic Engineering, Electrical Engineering and Computer Science. The conference program consisted of 2 keynote speeches, 2 workshops and 4 presentation sessions. The keynote speeches were delivered by Saad Mekhilef and Kaharudin Dimyati from UM.

IEEE UET Taxila Student Branch [Islamabad Section]

Muhammad Saif Raza, Chair for IEEE UET Taxila Student Branch

Visit of R.I.S.E RESEARCH CENTER

Realizing the importance of practical demonstration for a better understanding of engineering studies, IEEE SB UET Taxila organized a Robotics Research Center tour on 6th February 2020 for its member students (70 participants). The tour helped students to learn the practical perspective of the theoretical knowledge they are being taught in their classrooms.

The faculty at ROBOTICS & INTELLIGENT SYSTEMS ENGINEERING (R.I.S.E) RESEARCH CENTER NUST was kind enough to give us their time and cooperation. Dr. Yasir Ayyaz, Chairman/Central Project Director of National Center of Artificial Intelligence (NCAI) and the Head of Department of Robotics and Artificial Intelligence at National University of Sciences and Technology (NUST), Pakistan, guided the students about Artificial Intelligence.

IEEE University of Moratuwa EMB Student Chapter [Sri Lanka Section]

Kavindu Nadeeshana, Secretary for IEEE University of Moratuwa EMB StudentChapter

2019 Activities Update

IEEE University of Moratuwa EMBS Student Chapter which is the only EMB Chapter in Sri Lanka was able to organize many successful events throughout the year 2019. Starting the year 2019, the AGM for the years 2019/2020 was organized together with an Outbound Event for the members and alumni of the society.

The flagship event was the Brainstorm Competition held on 7th December 2019 at IESL Sri Lanka. It is the premier Biomedical Engineering competition in Sri Lanka which encourage undergraduates of both medical and engineering disciplines to solve contemporary problems in healthcare. The event had a participation of 145 competitors representing different Student Branches all around the country. Dr. Kanishka Madhushanka (Centre for Biomedical Innovations), Mr. Keerthi Kodithuwakku (Effective Solutions (Pvt.) Ltd), Dr. Nuwan Dayananda (Head of Electronics and Telecommunication Department, University of Moratuwa), Dr. Simon Kappel (Vising Lecturer from Denmark), and Dr. Anjula De Silva (IEEE Chapter Advisor) participated as speakers as well as judging panel. The winners were awarded with cash prizes worth LKR100,000. The chapter also got the chance to organize several interactive BME talks with scholars from foreign universities (Prof. Saman Halgamuge - University of Melbourne, Australia, Dr. Thrishantha Nanayakkara – Imperial College, London, Dr. Dushan Wadduwage – Harvard University, US).

IEEE University of Moratuwa PES Student Chapter [Sri Lanka Section]

Asini Kodikara, Secretary for IEEE University of Moratuwa PES Student Chapter

Gammeddata IEEE Api (IEEE for the Countryside)

Gammeddata IEEE Api (IEEE for the Countryside) is an initiative by the IEEE University of Moratuwa PES Student Chapter in collaboration with the IAS and RAS Student Chapters along with the IEEE University of Moratuwa Student Branch. The project was organized with the intention of lending a helping hand to school children from rural areas on technology and robotics.

In Phase 1 of the project, a Robotics Workshop targeting school students was successfully held on 11th January 2020 from 8.30 am to 4.30 pm at the Anuradhapura Central College, Sri Lanka with the attendance of over 50 students. Among the beneficiaries were students who had never used a computer before. The feedback from students, teachers and parents provide evidence that the program was able to make a profound impact and provide a source of inspiration to all students to achieve greater heights despite their backgrounds.

IEEE MUET Khairpur Mir's RAS Student Chapter [Karachi Section]

Shoaib Dayo, Ex-Branch Chair for IEEE MUET RAS Student Chapter

ELECTRO-MUET`19

In this event, the introduction about IEEE Mehran University of Engineering and Technology Campus Khairpur Mir`s RAS Student Chapter was given to students of the university. The inauguration ceremony of the student chapter as well as the event was done by the university Pro Vice Chancellor, Prof. Dr. M. Mouzzam Balouch beside the Department of Electronic Engineering. After that the event was presided by the Chairman of the Department of Electronic Engineering Dr. M. R. Naich. The event comprised of 11 segments named as Circuitrix, Quiz and Speech, Parliamentary Debate, Ultimate Minds, Chess Challenges, Table Tennis, Badminton, Snooker, Basketball, Badminton for Girls, and Business Idea Presentation.

These segments were carried out on 17th and 18th December 2019. The prize ceremony and the conclusion of the event was held on 17th January 2020. Altogether there were 120 students who participated and attended this event.

Scope of Communication Technology for the Development of Youths' Skills

IEEE Mehran University of Engineering and Technology Campus Khairpur Mir`s RAS Student Chapter organized a one-day seminar on "Scope of Communication Technology for the Development of Youths' Skills" which was held at the Department of Electronic Engineering on 30th January 2020. Dr. Dil Muhammad Akbar Hussain, Associate Professor, Aalborg University Denmark was the keynote speaker in the seminar, arranged by Professor Dr. Syed Hyder Abbas Musavi, Chairman for IEEE Communication Society Karachi Section. Honorable Pro-Vice Chancellor, Dr. Muhammad Moazam Baloch and Professor Dr. Madad Ali Shah, Rector Benazir Bhutto Shaheed Technical & Skill Development University Khairpur Mir's, were cordially invited. With the huge efforts of Dr. Mohammad Rafique Naich, Chairman for Electronic Engineering Department, this seminar was held successfully with 48 students participating.

AWARDS

AND

FUNDING

8. AWARDS AND FUNDING

Call for IEEE Region 10 Awards

The following 2020 R10 Awards are now open for nomination, please refer to the given links for more details. Please encourage nomination from your local units, nominate individual(s) deserving of this recognition, and submit nomination to the respective R10 Committee Chair by 1st May 2020 accordingly.

- R10 Outstanding Volunteer Award –
  http://www.ieeer10.org/awards-recognition-committee/
- R10 Humanitarian Technology Activities Outstanding Volunteer Award –
  http://www.ieeer10.org/awards-recognition-committee/
- R10 Humanitarian Technology Activities Outstanding Section Award –
  http://www.ieeer10.org/awards-recognition-committee/
- R10 WIE Outstanding Professional Volunteer Award –
  http://wie.ieeer10.org/awards/
- R10 WIE Outstanding Student Volunteer Award –
  http://wie.ieeer10.org/awards/
- R10 WIE Outstanding Section Affinity Group Award –
  http://wie.ieeer10.org/awards/
- R10 WIE Outstanding Student Branch Affinity Group Award –
  http://wie.ieeer10.org/awards/
- R10 Young Professionals Outstanding Volunteer Award (Academician) –
  http://yp.ieeer10.org/awards/
- R10 Young Professionals Outstanding Volunteer Award (Industry Practitioner) –
  http://yp.ieeer10.org/awards/
- R10 Young Professionals Outstanding Section Affinity Group Award –
  http://yp.ieeer10.org/awards/
- R10 SAC Outstanding Volunteer Award –
  http://bit.ly/SUBMIT_SACVolunteerAward
- R10 SAC Outstanding Student Branch Award –
  http://bit.ly/SUBMIT_SACSBAward
- R10 Educational Activities Outstanding Group Award –
  http://www.ieeer10.org/awards-recognition-committee/
- R10 Educational Activities Outstanding Volunteer Award –
  http://www.ieeer10.org/awards-recognition-committee/

We look forward to receiving nomination from your Section.
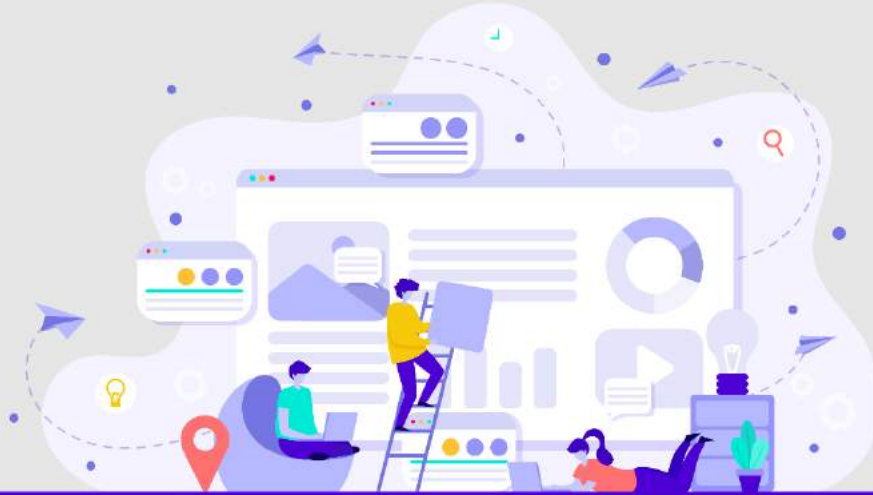
Call for IEEE Region 10 Student Branch Website Contest

The Student Branch Website Contest is designed to encourage Student Branches to fully utilize the power of the Internet for keeping the members informed about activities, opportunities, and new initiatives.

All Student Branches under IEEE Region 10 are invited to submit entries for this contest.

The submission deadline has been extended to 15th April 2020.

For more information, please visit:

https://sac.ieeer10.org/ieee-r10-student-branch-website-contest/

For inquiries please contact:

r10sac@ieee.org or sac-awards@ieee.org

Call for IEEE R10 EA New Innovative Challenge

Submission Deadline: **April 17th, 2020**

Notification of Decision: **May 15th, 2020**

(Submission to L.Fung@murdoch.edu.au)

IEEE Region 10 Educational Activities Committee (EAC) invites members and groups to submit proposals with creative and new innovative programs which will provide values to the IEEE community, in alignment with MGA/EAB goals and 2020-2025 IEEE Strategic focus on Life-Long-Learning. The two categories of targeted groups are 1) Pre-University Education and 2) University Education.

Objectives:

- To encourage creative and new innovative programs which provide values to IEEE members and in alignment with IEEE strategic goals, in particular, Life-Long-Learning
- To raise the awareness and profile of IEEE among the community.
- To encourage the exploration and utilisation of resources from IEEE and IEEE Education Activities Board
- To encourage collaboration between IEEE units.

Evaluation Criteria:

- Educational outcomes of the proposed program
- Alignment with IEEE strategic goals
- Scalability and sustainability of the proposal
- Metrics or measurement of success and impact of the proposed program
- Demonstration on the utilisation and promotion of IEEE resources
- Support and collaboration with IEEE Organizational Units (OU)

The winning entries will receive support for their projects as indicated in the followings:

- Winner (Pre-University Education) – **USD 500**
- Runner-up (Pre-University Education) – **USD 300**
- Winner (University Education) – **USD 500**
- Runner-up (University Education) – **USD 300**
- Commendation Support – **USD 150**

Terms and Conditions

1. All winning entries are required to submit a final report and submit claims for reimbursement before 27th November 2020.
2. The proposal shall contain the following information:
   - Executive Summary of the program (maximum 300 words)
   - Introduction and description of the activities including anticipated expenses.
   - How does the program align with IEEE goals and effective use of IEEE resources
   - Scalability and sustainability of the program
   - Measurement or assessment of the educational outcomes and impact of the program to the participants and community
3. Submissions:
   a. Not more than be a maximum of Four A4 pages
   b. Font: Times New Roman, size 11
4. Proposal must be endorsed by Section Educational Activities (EA) Chair or Section Chair. In case there is no EA Chair in the Section, R10 EA strongly encourages Section or OU to set up this position.
5. The Section or OU endorser information need to be included together with the proposal.

Essential information

1. The Objectives of the IEEE Region 10 Educational Activities Committee (EAC) is to implement programs specifically intended to serve and benefit IEEE members in educational pursuits, the engineering and scientific community and the general public in Asia and Pacific Region.
2. The purpose of the IEEE Education Activities Committee is to recommend policies on educational matters and implements programs specifically intended to serve the educational pursuits of IEEE members, the engineering and scientific communities, and the general public. (https://www.ieee.org/education/eab.html)
3. The core purpose of IEEE is to foster technological innovation and excellence for the benefit of humanity. IEEE's vision is to become essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions. https://www.ieee.org/about/vision-mission.html?WT.mc_id=lp_ab_mav
4. The IEEE Strategic Plan is a vital part of the ongoing evolution of IEEE. The Plan provides a clear picture of IEEE as an organization, the goals our community is pursuing, and the initiatives that will move IEEE forward in the coming years. https://www.ieee.org/about/ieee-strategic-plan.html
5. IEEE Educational Activities has assembled a variety of resources for preuniversity teachers, school counsellors, parents, and students. These resources are intended to provide guidance on locating additional information on engineering and engineering careers. https://www.ieee.org/education/preuniversity/resources.html
6. It should be noted there are a wealth of resources in the IEEE environment serving the spectrum of community and proposers are encouraged to utilise them as much as possible. Examples are IEEE Reach https://reach.ieee.org/; IEEE Dataport https://ieee-dataport.org/; IEEE.tv https://ieeetv.ieee.org/; Try Engineering http://www.tryengineering.org/; IEEE Learning Network https://www.ieee.org/education/iln.html; IEEE eLearning Network, https://www.ieee.org/education/elearning-library.html;
7. The proposers are strongly encouraged to implement their programs with or without support from this challenge. They should consider alternate sources of funding and supports from IEEE and other venues. They may also consider submission of their programs for R10 EA Awards and competitions.

Call for MGA Outstanding Section and William W. Middleton Distinguished Service Award

Every three years, the MGA William W. Middleton Distinguished Service Award is presented to an individual, who over a long and sustained period of leadership, contributed in an exemplary manner to the IEEE Member and Geographic Activities (MGA) Board, its activities and achievements, and the attainment of its goals and objectives. Selection criteria, the nomination form, and more information on the MGA awards process are available.

The deadline for nominations is 15th May 2020 (for completed nomination form and two letters of endorsement).

https://mga.ieee.org/awards/mga-awards-and-recognition-program/mga-william-w-middleton-distinguished-service-award

IEEE MGA
mga-awards@ieee.org

CALL FOR STUDENT AWARDS 2020

Nominations are now accepted.

- Regional Exemplary Student Branch Award
- Regional Student Branch Website Contest
- IEEE Outstanding Branch Counselor and Branch Chapter Advisor Award
- Darrel Chong Student Activity Award
- Larry K Wilson Regional Student Volunteer Award

DEADLINE: 15th APRIL 2020

For more information about the awards, please visit our awards page at students.ieee.org/awards/

IEEE Award for Distinguished Ethical Practices

Sponsored by: IEEE Ethics & Member Conduct Committee (EMCC)

Nomination deadline: 1st July 2020

Call for Nomination

The IEEE Award for Distinguished Ethical Practices recognizes an IEEE member or an organization employing IEEE members for:

(a) exemplary ethical behavior/practices and/or

(b) persuasive advocacy or promotion of ethical behavior/practices.

Eligibility

- Members of the IEEE and organizations that employ IEEE members are eligible.
- There are no restrictions as to IEEE membership grade, gender, or age.
- Members of the IEEE Ethics and Member Conduct Committee and its Awards and Recognition Committee are not eligible.

For more details about this award, please refer to:
https://www.ieee.org/about/ethics/award.html

Nominations may be submitted using the online form

Do consider to nominate and support a candidate for this award!

IEEE HAC Projects – 2020 Call for Proposals

HAC Projects funding enables IEEE members and organizational units (OUs) to accomplish one or more of the following strategic priorities through projects around the world:

Projects

- Scale up proven IEEE SIGHT or other IEEE humanitarian technology and sustainable development projects;
- Provide IEEE's technical expertise to well-vetted external humanitarian/sustainable development organizations for a specific project;
- Collaborate across OUs and/or IEEE programs to undertake major humanitarian technology and sustainable development projects.

DEADLINES

- **Call 1:** ~~02 March 2020 – Extended to 09 March 2020~~
- **Call 2:** 01 June 2020
- **Call 3:** 07 September 2020 – ONLY IF FUNDS REMAIN

CALL FOR PROPOSALS

HAC Projects 2020 Call for Proposals

HOW TO APPLY

Please submit via the IEEE HAC Online Funding Opportunities Portal.

IEEE HAC Events – 2020 Call for Proposals

HAC Events funding enables IEEE members and organizational units (OUs) to accomplish one or more of the following strategic priorities through conferences and events around the world:

Events

- Raise awareness of humanitarian technology and sustainable development and how technically trained people can contribute;
- Provide training to increase the capacity of IEEE members and OUs to successfully undertake humanitarian technology and sustainable development activities;
- Showcase the results and share lessons learned of IEEE humanitarian technology and sustainable development projects;
- Develop relationships with the greater sustainable development community outside IEEE.

DEADLINES

- ~~**Invitation-only:** 27 January 2020~~
- **Open submission #1:** 20 April 2020
- **Open submission #2:** 20 July 2020
- **Small scale:** Rolling until 01 September 2020

CALL FOR PROPOSALS

HAC Events 2020 Call for Proposals

HOW TO APPLY

Please submit via the IEEE HAC Online Funding Opportunities Portal.

IEEE

Humanitarian Activities Committee

IEEE HAC Conference Participation – 2020 Call for Proposals

HAC Conference Participation

HAC Conference Participation Program (CPP) provides a limited number of partial scholarships to support IEEE member and local IEEE activity partner participation at conferences with the aim of accomplishing one or more of the following strategic priorities:

- Raise awareness of humanitarian technology and sustainable development and how technically trained people can contribute;
- Provide training to increase the capacity of IEEE members and organizational units (OUs) to successfully undertake humanitarian technology and sustainable development activities;
- Showcase the results and share lessons learned of IEEE humanitarian technology and sustainable development projects;
- Develop relationships with the greater sustainable development community outside IEEE.

Conference Participation

DEADLINE

- ~~**Open submission #1:** 28 February 2020~~
- **Open submission #2:** 29 May 2020
- **Open submission #3:** 28 August 2020

In 2020, HAC will provide blocks of CPP funding to a handful of major IEEE humanitarian- and sustainable development-related events that normally would receive many CPP submissions. These events will be publicized in Q1 2020. Those who wish to apply for CPP funding for these events will apply directly to the events and not to HAC. **Further information will be posted as it becomes available.**

CALL FOR PROPOSALS

HAC Conference Participation 2020 Call for Applicants

HOW TO APPLY

Please submit via the IEEE HAC Online Funding Opportunities Portal.

IEEE SIGHT Projects – 2020 Call for Proposals

SIGHT Projects

IEEE SIGHT Projects funding enables IEEE SIGHT groups to:

- Incubate new humanitarian technology and sustainable development projects;
- Localize and replicate proven SIGHT projects;
- Put technological skills learned in the classroom or workplace into practice, gaining valuable hands-on experience;
- Partner with local government or NGOs to develop solutions for challenges faced by underserved communities.

DEADLINES

- **Call 1:** ~~16 March 2020~~
- **Call 2:** 18 May 2020
- **Call 3:** 17 August 2020

CALL FOR PROPOSALS

IEEE SIGHT 2020 Call for Proposals

HOW TO APPLY

Please submit via the IEEE HAC & SIGHT Online Funding Opportunities Portal.

IEEE HAC/SIGHT Special Call for COVID-19 Project Proposals

The COVID-19 pandemic has affected the world in an unprecedented manner, and as such, HAC has adapted its requirements to better enable IEEE volunteers to contribute.

For that reason, HAC and SIGHT (Special Interest Group on Humanitarian Technology) Projects will join forces to prioritize proposals that have a strong potential for immediate impact in the fight against COVID-19. Ideally, projects will have good connections with local IEEE OUs and engage a significant number of IEEE members.

Rolling Submission until **15th May 2020**. Proposals may be submitted and will be reviewed continuously through 15th May. An expedited review process will allow selected projects to get started right away.

For more information about this Special Call for Proposals, please refer to:
https://hac.ieee.org/funding-opportunities/covid-19-projects/.

How to Apply: Please submit via the IEEE HAC Online Funding Opportunities Portal.

Should you have any enquiry related to this project, please feel free to reach out to:
hac-projects@ieee.org.

Thank you for your support of our shared mission to advance technology for humanity.

OUR 2020 GRANT CYCLE IS OPEN
1st MARCH THROUGH 3rd JULY

The IEEE Foundation Grants Program is a joint effort between the IEEE Foundation Board of Directors and the IEEE Life Members Committee. The joint committee, known as the Grants Committee, executes one grant cycle each year that addresses a pre-defined theme. The theme itself aligns with the IEEE Foundation's mission to "enable IEEE programs that enhance technology access, literacy, and education."

IEEE MGA Awards Recipients

Congratulations to all the winners of 2019 MGA Awards from Region 10 below:

Year	Award Name	Recipient	Affiliation	Citation
2019	MGA Larry K. Wilson Transnational Award	Takako Hashimoto	(R10), Tokyo Section	For inspiring leadership and contributions to IEEE Women in Engineering across the world with the mission: Inspire, Encourage, Engage and Empower.
2019	MGA Leadership Award	Supavadee Aramvith	(R10), Thailand Section	For outstanding leadership and contributions in delivering joint MGA and EAB educational activities that significantly benefit members in the IEEE Asia Pacific Region.
2019	MGA Achievement Award	Sudeendra T. Koushik	(R10), Bangalore Section	For exemplary contributions in increasing member engagement in the IEEE Bangalore Section.
2019	MGA Young Professionals Achievement Award	Prasanth Mohan	(R10), Madras Section	For outstanding leadership and contributions to Student and Young Professional activities.
2019	MGA Young Professionals Achievement Award	Aravindhan Anbazhagan	(R10) Madras Section	For outstanding efforts in membership development, and engaging Students & Young Professionals.
2019	MGA Young Professionals Achievement Award	Vamsi Krishna Jadala	(R10), Hyderabad Section	For exemplary leadership in promoting activities for Students and Young Professionals.

IEEE MGA AWARDS AND RECOGNITION

◆IEEE

CONFERENCE

CALL FOR

PAPERS

CONFERENCE CALL FOR PAPERS

The 2020 IEEE Region 10 Conference (TENCON) will be held at the Osaka International Convention Center, Osaka, Japan on 16-19 November, 2020. TENCON is a premier international technical conference of IEEE Region 10, which comprises 58 sections, 6 councils, 34 subsections in the Asia Pacific region. The theme for TENCON2020 is "Advancing Technologies for Sustainable Development Goals to Transform Our World".

TENCON2020 is expected to bring together researchers, educators, students, practitioners, technocrats, and policymakers from across academia, government, industry and nongovernmental organizations to discuss, share and promote current works and recent accomplishments across all aspects of electrical, electronic and computer engineering, as well as information technology. Distinguished people will be invited to deliver keynote speeches and invited talks on trends and significant advances in the emerging technologies.

The scope of the conference include, but not limited to, the following:

- Aerospace Technology
- Biomedical Engineering
- Machine Learning, Cloud and Data Analytics
- Devices, Materials & Processing
- Engineering Management
- Marine and Offshore Engineering
- Photonics
- Robotics, Control Systems & Theory
- Software & Database Systems
- Wireless Communications & Networks

- Antenna & Microwave
- Circuits and Systems
- Computer Architecture & Systems
- Disasters and Humanitarian Technology
- Engineering Education
- Multimedia Engineering
- Power & Energy
- Signal and Image Processing
- Social Implications of Technology

TENCON2020 will feature both invited and contributed papers. The best papers will be selected from the contributed papers for awards. The presented papers will be submitted to IEEE Xplore which is indexed by major databases. Prospective authors are invited to submit full papers that are maximum six pages, with double column IEEE conference format.

IMPORTANT DATES:

Full Paper Submission: 1st June 2020

Notification of Paper Acceptance: 15th August 2020

Early Bird Registration Deadline: 15th September 2020

Camera Ready Submissions: 30th September 2020

DIGITAL ECOSYSTEM FOR HUMANITY

IEEE R10 HUMANITARIAN TECHNOLOGY CONFERENCE 2020

1st Dec - 3rd Dec 2020 | Kuching Sarawak

www.r10htc2020.org

General Chair
Lau Bee Theng, (SUTS)

General Co-Chair
Mohammad Faizal Ahmad Fauzi (MMU)

Technical Program Chair & Co-Chair
David Bong (UNIMAS),
Su Hieng Tiong (SUTS),
Lee Yoot Khuan (UiTM)

Workshop/Special Sessions/Competition Chair & Co-Chair
Mark Tee Kit Tsun (SUTS),
Alpha Agape Gopalai (Monash)

Publication Chair & Co-Chair
Riady Siswoyo (SUTS),
Md Pauzi Abdullah (UTM)

Local Logistics Chair & Co-Chair
Then Yi Lung (SUTS),
Tay Fei Siang (SUTS),
Siti Salwa Hashim (SUTS)

Publicity Chair & Co-Chair
Ong Chin Ann (PSB),
Fawnizu Azmadi Hussin (UTP),
Pan Zheng (CANTERBURY)

Secretary
Jacey-Lynn Minoi (UNIMAS)

Sponsorship Chair & Co-Chair
Victor Wong (BSI),
Zuhaina Zakaria (UiTM)

Finance Chair & Co-Chair
Hudy Siswoyo (SUTS),
Chong Yu Zheng (UTAR)

ABOUT THE CONFERENCE

IEEE Region 10 Humanitarian Technology Conference (R10 HTC) is the premier annual cross disciplinary conference that provides a common platform for engineers, technologists, scientists, investors, representatives from NGOs, governments, academia and the industry to discuss recent advances in Humanitarian Technologies. The conference promotes discussions and presentations from the fields of Electrical & Electronic Engineering, Artificial Intelligence, Computing & IT, Security, Disaster Management, Smart Cities & Villages, Industrial Revolution 4.0, Digital Commerce, Education, Healthcare and relevant areas of research.

IEEE R10 HTC 2020 will be held in Borneo Island, Kuching City in Malaysia from 1st to 3rd December, 2020. The conference is hosted by IEEE Sarawak Subsection with the theme "Digital Ecosystem for Humanity". We invite you to submit your original papers and join us in Kuching, a city on the island of Borneo.

IEEE R10 HTC 2020 topics include, but are not limited to the following:

- Electrical & Electronic Engineering
- Power & Energy
- Artificial Intelligence
- Smart City / Smart Village
- Computing and Information Technology
- Industrial Revolution 4.0 (IR 4.0)
- Digital Commerce, Blockchain Technologies & FinTech
- Education
- Healthcare & Biomedical Engineering
- Disaster Management
- Food Science & Agriculture

KEYNOTE SPEAKERS

A/Prof. Dr. Sye Loong Keoh
Programme Director
(Computing Science)
University of Glasgow,
Singapore

Dr. Surapa Thiemjarus
Senior Researcher
A-MED, NSTDA,
Thailand

Dr Jiong Jin
Senior Lecturer
Swinburne University of Tech.
Australia

SPECIAL SESSIONS AND WORKSHOPS

Proposals for special sessions and workshops can be suggested to the Workshop & Special Session Chair by January 1, 2020.

PUBLICATIONS

All full papers will be published in IEEE R10 HTC 2020 Conference Proceedings, which are expected to be included in **IEEEXplore** and indexed by **Scopus**. All submissions will be peer-reviewed by experts in the respective fields.

Submission opens on 1st December, 2019.

IMPORTANT DATES

Special Session & Workshop Proposal
Jan 1, 2020

Full Paper Submission
April 30, 2020

Notification of Acceptance
June 30, 2020

Final Camera-ready Paper Submission
July 31, 2020

Author's Registration
September 30, 2020

Please send us an email at *secretariat@r10htc2020.org* for more info or inquiry.

IEEE TENSYMP 2021
Connected Intelligence for Smart IT, Jeju, Korea

April 21 (Mon) – 23 (Wed), 2021

IEEE
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IEEE R10 TODAY

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NEWSLETTER

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