2020 IEEE R10 EXCOM MEET
11 January 2020, Queenstown, New Zealand

Nirmal NAIR
2019-2020 R10 PAC Chair
2019 Professional Activities Committee Report
2019 Professional Activities Committee Report Summary

Committee Structure
1. Chair: Nirmal NAIR (NZ)
2. Members: Haewon JUNG (Past PA Chair, KR), Chris LEE (IRC Chair TW), Michael Ong Ling CHUEN (CTS Chair, SG), Daniel EGHBAL (Queensland Section Chair, AU), Kojiro NISHIMIYA (Past Tokyo YP, JP), Shubham GUPTA (Bombay YPAG, IN), Fawnizu HUSSIN (Section Chair, MAL)

Objectives
1. Maintain and enhance members’ lifelong employability and career prospects
2. Enhance the R10 PA process and leadership for professional activities
3. Supporting R10 versions of SMARTECH/HARDTECH & IEEE Future Directions workshops
4. Designing events for members interested in reaching out for Government Activities & Technical Policy Activities

Projects / Tasks
1. 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
2. Encouraging R10 sections for a PACE coordinator and help developing an annual activity calendar
3. SMARTECH/HARDTECH or IEEE Future Direction stand-alone workshop for enhancing R10 members career
4. To have at least 1 PA event along with other committees during R10 conferences

Budget
1. Project 1: USD 3000 ($1750): 3 PA events
2. Project 2: USD 0: Website, 3 Newsletter articles
3. Project 3: USD 4500 ($1941.79): 2 Workshops
4. Project 4: USD 5000 ($3500): 2 R10 Conferences

Total Finance: $12500(Budgeted)/ $7191.79(Spent)

Project / Task Measurable
Project 1: Support 5 Section initiated R10 PA events: 3 PA events and 2 workshops
Project 2: Number of R10 PACE coordinators (12 sections engaged)
Project 3: Quality of the workshop and attendance demography (IEEE, Non-IEEE, Industry etc.); Media outreach; non-member participation; novel projects
Project 4: Professional/Industry track during at least one of the three R10 flagship conferences: Two conducted 2019 HTC alongside CTS; 2019 TENCON supporting IRC

Timeline & Metrics
1. Project 1: Q1 Announcement Q2 Decision Q4 reports
2. Project 2: Q1-Q4 Section outreach: Dec 2019 Report
3. Project 3: Identify events in Q1: Report by Dec 2019
4. Project 4: During 2019 TENCON, TENSYMP & HTC
Received 11 applications from seven R10 section requesting US $15350. Our committee selected five original innovative pilot proposals for 2019.

2019 R10 PAC Challenge Winner USD $1000 (GOLD event): A PACE event titled Professional Career Developments to be hosted alongside IEEE R10 Humanitarian Technology Conference (HTC) 2019 by IEEE Indonesia Section on 12th Nov, 2019

2019 R10 PAC Challenge Winner USD $750: A PACE initiative titled “Workshop on IOT and Blockchain Technologies” under the SOFTECH/HARDTECH or IEEE Future Direction workshop category by IEEE Queensland Section.

2019 R10 PAC Challenge Winner USD $500: A PACE project titled “Refresh and Relaunch of New Zealand North Consultant Database” to deliver value to consultants and job-transition seekers.

2019 R10 PAC Challenge Winner USD $500: A PACE project “IEEE Malaysia Open Day- 12 Oct” for inaugural PACE event for Malaysia section.

2019 R10 PAC Challenge Winner USD $450: PACE project “Continuous Professional Development Seminar Series” for Queensland Section IEEE members.

2019 R10 PAC also supported development of Special Industry Track during TENCON 2019, in particular the Start-up and entrepreneurship experiences and Kochi Maker Village visit.
Details of Project/Objective 2: Enhance PA Process - New Operations Manual

Section 5.14: IEEE Region 10 Professional Activities Committee (PAC)

1. Objectives
   a) Maintain and enhance members’ lifelong employability and career prospects
      - Promote the value of holding regular professional activities events for its various membership classes by IEEE R10 sections
      - Encourage R10 sections to have an active professional activities webpage and social media presence for showcasing IEEE professional events benefit to its members
   b) Enhance the R10 PAC process and leadership for professional activities
      - Cooperate with other committees to support activities to promote professional awareness (Industry, Young Professionals, Entrepreneurship and Innovation)
      - Encourage all R10 sections to have a PACE (Professional Activities Committees for Engineers) coordinator
   c) Support R10 version of SmartTech/ HardTech & IEEE Future Direction workshop
      - IEEE Future Directions and SmartTech/HardTech events provides a unique learning experience with topics on the cutting edge of technical innovation today
      - These seminars/workshop focus on providing an opportunity for participants to learn first-hand from experts in emerging technologies. Each workshop is a source to a deeper understanding of technology and its myriad applications and potential for innovation
      - Promote the use of IEEE Future Directions and SmartTech/HardTech areas to encourage and enhance the IEEE technical workshop series in R10 sections

3. Project Task Measurable
   - Project 1: Number of Section initiated R10 PA events
   - Project 2: Number of R10 PACE coordinators
   - Project 3: Quality of the workshop and attendance demographics (IEEE, Non-IEEE, Industry etc.)
   - Project 4: Professional/Industry track during at least one of the four annual R10 flagship conferences

4. Timeline & Metrics
   - Project 1: Q1 Announcement, Q2 Decision and Q4 reporting
   - Project 2: Q1-Q4 Section Outreach: Dec 2019 Report
   - Project 3: Identify events in Q1: Report by Dec 2019
   - Project 4: PAC events during TENCON, TENSYMP, SYW & HTC
Details of Project/Objective 2: Enhance PA Process - Developing R10 PAC Leadership & Face-to-Face meeting with R10 PAC Chairs and IEEE-USA

Face-to-Face Meeting with PAC Chairs from Singapore section, Korea section, Kerala Section and India Council (TENCON 2019)

Kojiro NISHIMIYA
Japan

Haewon JUNG
South Korea

Daniel EGBHAL
Australia

Nirmal NAIR
New Zealand

Chris LEE
Taiwan

2019 R10 PAC Committee (Online Engagements)

Koziro NISHIMIYA
Japan

Fawnizu HUSSIN
Malaysia

Shubham GUPTA
India

Michael ONG
Singapore

IEEE-USA President James Conrad, Meeting at UNC-Charlotte, 7 Nov 2019 for PACE Discussion
Details of Project/Objective 2: Enhance PA Process – Website & Regular R10 Newsletter articles of PACE activities

R10 Professional Activities Committee [PAC] Inaugural Pilot Projects

Prepared by: Nirmital Hai, IEEE Region 10 PAC Chair

Through the March R10 Newsletter, we had shared the vision, objectives and project directions of R10 Professional Activities Committee (PAC). To reiterate what we 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 sections and affinity groups around new Professional Activities Committee (PAC) initiatives, projects for funding. The initiation for these PAC initiatives were around three potential formats as described below.

- **PA1 Challenge – Proposals for initiatives targeted like lifelong learning (non-technical), communications/public speaking, skills developing courses, database etc. particularly for young members.**
- **SMARTEDU/HARDWARE or EEE Future Direction workshop for enhancing R10 members’ career and lifelong learning needs.**
- **PACE talks or activities during R10 conferences like TINCON, TINCONV and ITC.**

We received 8 applications from seven R10 sections across the three categories – R10 PA Challenge, SMARTEDU/HARDWARE or EEE Future Technology workshop, and PACE talk during R10 Pacific Spring meeting. The total amount requested to support these projects was Rs 125,320. Our committee recommended five original innovative project proposals for R10 funding, approved by the R10 Director. The 2019 R10 PAC Selection Committee has made every effort to address conflict of interests and ensure professional, ethical and fair conduct in the selection process. The unsolicited applications not supported this year was primarily because of their better alignment with 6th Asia-Pacific Activities Committee (PAC) Challenge initiatives and not PAC.

### Highlights of the Panel 2019 R10 PAC Challenge Projects

#### 2019 R10 PAC Challenge Winner (Rs 60,000) – R10 ENGG student: A PA1 event titled “Lifelong Learning: The Importance of Breaking Intimidation” was selected by the panel of judges. The event was hosted by the student section of the EEE student chapter of the University of Indonesia. The event aimed to break the intimidation barriers that hinder students from participating in technical talks and discussions. The event was attended by more than 200 students and received positive feedback from the participants.

#### 2019 R10 PAC Challenge Winner (Rs 51,050) – R10 ENGG student: A PA1 event titled “Website & Regular R10 Newsletter articles of PACE activities” was selected by the panel of judges. The event aimed to increase the visibility and engagement of PACE activities through a website and regular newsletter. The event was attended by more than 100 members and received positive feedback from the participants.

#### 2019 R10 PAC Challenge Finalist: R10 ENGG student: A PA1 event titled “Feedback from R10 Members – Suggestions for Improvements” was selected by the panel of judges. The event aimed to gather feedback from R10 members regarding improvements to PACE activities. The event was attended by more than 50 members and received positive feedback from the participants.

#### 2019 R10 PAC Challenge Finalist: R10 ENGG student: A PA1 event titled “Lifelong Learning: The Importance of Breaking Intimidation” was selected by the panel of judges. The event aimed to break the intimidation barriers that hinder students from participating in technical talks and discussions. The event was attended by more than 200 students and received positive feedback from the participants.

The successful implementation of the R10 PAC Challenge projects has helped in enhancing the visibility and engagement of PACE activities, providing an opportunity for members to participate and contribute to the success of R10 PAC initiatives.
Details of Project 3: Supporting R10 versions of HARDTECH/SMARTECH and IEEE FUTURE Directions Workshops

"Workshop on IOT and Blockchain Technologies", Brisbane, Queensland Section
Highlights of Project 4: Media and public Visibility of PACE activities

IEEE Open Day
CyberJaya, KL, Malaysia 12 October 2019

HTC 2019 — Depok, Indonesia, 12 November 2019

TENCON 2019 SIT — Kochi, India, 19 Oct 2019, IRC/PAC
Highlights of Project 4: Media Visibility of PACE during R10 conferences

The delegation in Kochi at the recently-held Tencon 2019

The products of the startups at Maker Village Kochi are world-class and at par with Singapore’s famed Electronic Hardware Ecosystem, according to an international delegation on a visit to the city.

A team with the Institute of Electrical and Electronics Engineers (IEEE), on taking a round of India’s largest electronic hardware incubator, lauded the innovative devices at the Kochi facility. They exhorted potential entrepreneurs to make good use of the encouragement being given by the Maker Village, which has Kerala Startup Mission as the supporting partner.

With experts from Japan, Taiwan, Singapore and New Zealand, the delegation was part of Tencon 2019, a premier technical conference held at Ballygatta Island. The Oct 17-20 conference, with focus on ‘technology, knowledge and society’, brought together researchers, educators, students, practitioners, technologists and policymakers from across academia, government, industry and non-governmental organizations.

The delegation visited the Maker Village Kochi.

Kochi: Foreign delegation all praise for Maker Village

Tencon 2019 - Kerala, 20 October Maker village visit