



2023 IEEE R10 Annual Meeting

Date: 3-4 March 2023

2023 R10 Professional Activities Committee Plan

Dr. Daniel Eghbal
R10 Professional Activities Committee Chair

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Committee Structure

1. **Chair:** Dr. Daniel Eghbal
2. **Immediate Past Chair:** Dr. Parkash Lohana
3. **Members:** Ms. Ashwini Holla, Dr. Sudipta Chakraborty, Dr. Thavatchai Tayjasanant, Mr. Gitansh Anand

Objectives

- Maintain and enhance members' lifelong employability and career prospects
- Promote sustainable professional activities for R10
- Foster collaboration with other business units to organize events benefiting members across societies.

Projects / Tasks

Project 1: Encourage R10 Sections to appoint a **PA** coordinator, foster collaboration and knowledge sharing among PA volunteers.

Project 2: R10 Professional development:

- (2a) Support the uptake of professional development courses
- (2b) R10 Hackathon competition among IEEE members
- (2c) PA Webinar series in collaboration other BUs

Project 3: [IEEE Future Direction Forum](#) workshops.

Project 4: Supporting IEEE Standards webinar series in collaboration with IRC and YP.

Budget

Project 1: NIL
Project 2: USD 5,000.00
Project 3: USD 3,500.00 (matching with selected OUs)
Project 4: NIL

Total Proposed Budget : USD 8,500.00

Project / Task Measurable

Project 1: Number of active R10 PA Coordinators

Project 2: Number of Sections initiated R10 PA events

Project 3: Quality of the workshop and attendance demography (IEEE, Non-IEEE, Industry)

Project 4: Number of technical webinars and professional activity tracks during R10 flagship conferences

Timeline & Metrics

Project 1: Bimonthly Section Outreach, PA knowledge sharing report (Aug 2023)

Project 2: Q1 Announcement, Q2 Decision, Q4 Reporting

Project 3: Identify events in Q1, Reports by Dec 2023

Project 4: Number of events (4 already planned, 1 panel session each quarter)

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Details of Project 1

- ▶ **Support Sections with development and implementation of Professional Activities**

**Appoint PA
Chair
officer**

**Virtual
induction
sessions**

**Knowledge
sharing
sessions**

**Establish
R10 PA
Outstanding
Award**

Details of Project 2

(2a) Professional development courses

- ▶ Selected courses from IEEE Blended Learning Program (BLP) for up to 100 members (of professional grade)
- ▶ Timeline:
 - 1st round: 15 March-15 May
 - Announce successful applicants by 20 June.
 - 2nd round: 15 Aug - 15 Sep
 - Announce successful applicants by 15 Oct.

(2b) Hackathon competition

Sections to nominate a team to participate in the Hackathon Competition to be held in Q3.

Focus areas:

- Data analytics and AI
- Electrification of transport
- Decarbonization of remote communities

(2c) PA webinar Series

Panel discussions on emerging topics with strategic value to all members across the region (focus: senior and mid-career engineers)

Details of Project 3

- ▶ Support sections to organize an [IEEE Future Tech Forum](#) style workshop



- ▶ Audience-engaging roundtable discussions with global subject-matter experts and thought leaders.
- ▶ Aims to foster **partnerships** and **engagement** with industry, academia, and government.
- ▶ In person workshops are highly encouraged.
- ▶ The workshop/s could be either stand-alone or alongside R10 flagship conferences.

Details of Project 4

Supporting IEEE Standards webinar series in collaboration with IRC and YP.

- ▶ Organizing IEEE Standards webinar series in collaboration with IRC and YP.

- ▶ Project Milestones leading to completion:
 - 1st Session: Developing Standards with IEEE SA: An Introduction to standards development

 - 2nd Session: Impact of IEEE Standards on Internet of Things: Building Trust in Systems

 - 3rd Session: IEEE 1547 & 2030.5: Need for critical standards in the area of DERs (topic can be firmed up later)

 - 4th Session: IEEE SA at the forefront of driving Ethical impact standards on Artificial Intelligence (topic can be firmed up later)

Supporting slides

Details of Project 1

- ▶ Encourage all R10 Sections/Subsections/Councils to appoint a PA Coordinator and publish an annual calendar of events in their section website and social media.
- ▶ Organise two virtual sessions for PA Coordinators/officers; 1st session will be an induction after R10 annual meeting, 2nd session will be a knowledge sharing session in Aug/Sep 2023.
- ▶ Establish a new award category to recognize sections with high performing and outstanding PAC (R10 PA Outstanding Award) [proposal already submitted to the Awards & Recognition Committee]

Establishment of the PA Outstanding Award

- ▶ The Outstanding PA OU award is to recognize Section/Subsection/Council who have made significant contribution towards promotion and implementation of Professional Activities at the local, regional, national, and/or international level. This award aims to encourage and incentivize Section/Subsection/Council to organize PA activities aligned with R10 PA objectives and provide their members with professional development opportunities.
- ▶ The proposal for establishing this award has been submitted to the R10 Awards and Recognition Committee for consideration and approval.

Details of Project 2

R10 Professional Development

(2a) Support the uptake of professional development courses

- ▶ Incentivize up to 100 IEEE members (of professional grade) to enroll and complete one of the selected courses from IEEE Blended Learning Program (BLP).
 - ▶ IoT Program
 - ▶ Innovation Management and Intellectual Properties (Basic)
 - ▶ Innovation Management and Intellectual Properties (Advanced)

- ▶ Applications need endorsement from their section chair or PA officer/chair and should be directly submitted to R10 PA Committee. Each IEEE member can apply for one course ONLY by completing an expression of interest form on the R10 PA website.

- ▶ Ask Section/Subsections/Councils to publicize the initiative through e-notice, social media, newsletter. R10 PA subcommittee will also publicize this initiative.

Details of Project 2

R10 Professional Development

(2a) Support the uptake of professional development courses

▣ Timeline:

- 1st round:
 - 15 March-15 May
 - Announce successful applicants by 20 June.
 - 2nd round: (if less than 100 applications were received in round 1)
 - 15 Aug - 15 Sep
 - Announce successful applicants by 15 Oct.
- ▣ Once the application is approved, the member will receive a token to enrol the course. A certificate of completion will be issued after successfully completing the course.

Details of Project 2 (Cont...)

R10 Professional Development

(2b) R10 Hackathon competition among IEEE members

Encourage Sections/Subsections/Councils/Chapters/Affinity Groups to nominate a team to participate in the R10 Hackathon Competition.

R10 Hackathon will be held in Q3 and will focus on one of the the following topics:

- Data analytics and AI
- Electrification of transport (passenger electric vehicles and electric public transport)
- Integration of renewable energies and decarbonization of remote communities

More details of the Hackathon will be published on the [R10 PAC Website](#):

- Each team consists of 3-5 IEEE members
- There has to be at least three teams participating
- The problem will be revealed to all participants at the same time.
- Participant teams would have one week to design a solution and submit the final proposal.
- The judging panel rank the proposals based on the section criteria and announce the top three shortlisted teams within two weeks.
- The three teams will have up one week to prepare and present their pitch to a panel established by R10 PAC during a virtual event.
- The winner team will receive an IEEE certificate/plaque.

Details of Project 2 (Cont...)

(2c) PA webinar Series

- ▶ The Region 10 PA Committee will organize webinars on the different topics targeting IEEE members (mid career and in senior positions) to complement R10Talks.
- ▶ These webinars will focus on panel discussions on emerging topics with strategic value to all members across the region.
- ▶ R10 PA subcommittee will continue to support the R10TALK series in 2023.

Details of Project 3

- ▶ The [IEEE Future Tech Forum](#) is a series of audience-engaging roundtable discussions with a focus on leading technologies, frontline issues, crucial challenges, and societal impacts; with global subject-matter experts and thought leaders.
- ▶ This project aims to foster **partnerships** and **conversations** with industry, academia, and government, and offer compelling discussions and interactive participation.
- ▶ This project is to continue from earlier efforts to support SmartTech/HardTech style workshops.
- ▶ In person workshops are highly encouraged with some of the speakers potentially joining virtually. The workshop/s could be either stand-alone or alongside flagship R10 events.
- ▶ Circulate the call for expression of interest among all R10 OUs to organize the workshops.



Details of Project 4

Supporting IEEE Standards webinar series in collaboration with IRC and YP.

- ▶ Organizing IEEE Standards webinar series in collaboration with IRC and YP.

- ▶ Project Milestones leading to completion:
 - 1st Session: Developing Standards with IEEE SA: An Introduction to standards development

 - 2nd Session: Impact of IEEE Standards on Internet of Things: Building Trust in Systems

 - 3rd Session: IEEE 1547 & 2030.5: Need for critical standards in the area of DERs (topic can be firmed up later)

 - 4th Session: IEEE SA at the forefront of driving Ethical impact standards on Artificial Intelligence (topic can be firmed up later)