



2023 R10 Educational Activities Committee Plan

Dr Leon Lei
2023 R10 Educational Activities Committee Chair

Committee Structure

Chair	Dr Leon Lei	Hong Kong		
Vice Chair	Prof. Purna Gaur	Delhi		
Advisor	Dr Preeti Bajaj	Bombay		
Members	Dr Ray Cheung	Hong Kong	Dr Aliza Aini Md Ralib	Malaysia
	Mr Jeremy Ng	Hong Kong (PhD Student)	Mr Yutaro Ishigaki	Tokyo (Industry)
	Mr Ambarish Natu	Australian Capital Territory (Industry)	Dr Mohd Hafiz Ismail	Malaysia
	Dr Yanpin Ren	Beijing	Prof. Chang-Shing Lee	Taipei

- ▶ Academia + Industry + Student
- ▶ 7 males + 4 females
- ▶ 5 existing members + 6 new members
- ▶ Members from Australia, North Asia, South Asia and South East Asia

Committee Structure

2023 IEEE Region 10 EAC



Perna Gaur
Vice Chair
Delhi



Leon Lei
Chair
Hong Kong



Preeti Bajaj
Advisor
Bombay



Ray Cheung
Member
Hong Kong



Jeremy Ng
Member
Hong Kong



Ambarish Natu
Member
Australian Capital Territory



Yanpin Ren
Member
Beijing



Aliza Ralib
Member
Malaysia



Yutaro Ishigaki
Member
Tokyo



Mohd Hafiz Ismail
Member
Malaysia



Chang-Shing Lee
Member
Taipei

With student interns on supporting tasks

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Committee Structure

1. Chair: Leon LEI
2. Members: Prerna Gaur, Preeti Bajaj, Ray Cheung, Jeremy Ng, Ambarish Natu, Yanpin Ren, Aliza Aini Md Ralib, Yutaro Ishigaki, Mohd Hafiz Ismail, Chang-Shing Lee

Objectives

1. Provides guidance and assistance to Region entities in organizing STEM-/EAC-related activities
2. Supports and facilitates members and the public joining EAB programs
3. Promoting life-long learning IEEE Learning Network

Projects / Tasks

Project 1: Training by EAC
(EAB products; IEEE Learning Network; K12 AI training)

Project 2A: EA project development grant - General
(Pre-university, University, Life-long learning)

Project 2B: EA project development grant - Theme-based (SDG*, Cross-Section, IEEE Learning Network)

Project 3: EA Awards

Budget

Project 1: 800 USD
Project 2A: 7000 USD
Project 2B: 5700 USD
Project 3: Budgets from the Award Committee
Total Proposed Budget in USD 13500

Project / Task Measurable

Project 1: # of attendees (online, offline)
Project 2A/B: # of projects, completed projects, beneficiaries (members and public), public reach
Project 3: # of applications

Major Milestones & Timeline

Project 1: Feb - Dec
Project 2A/B: Mar - Oct
Project 3: As per R10 schedule

SDG*: Sustainable development goals



Details of Project 1

Virtual training by EAC (tentative dates)

- ▶ Feb 11: Workshop on “EAB/EdSoc products/grants and R10 EAC grants”
- ▶ Apr 18: Workshops on educational data mining
- ▶ Mar and Apr: Cross-Section K12 student workshops on artificial intelligence
- ▶ Aug: Workshop on “IEEE Learning Network”
- ▶ Oct: Workshop on “Best practices of EA projects”
- ▶ Dec: Workshop on K12 STEM education
 - With EAB (initial planning)
- ▶ Whole year: Sharing news on EAB/EdSoc products/grants and R10 EAC grants through social networks

- ▶ Budget for the Cross-Section K12 student workshops on AI: USD 800
 - Training kits, venue booking

Details of Project 2A

EA project development grant (Pre-university, University, Continuing Education)

<https://ea.ieeer10.org/general-track/>

- ▶ Including “Enriching Locals”
- ▶ Selection criteria
 - Project approach
 - Target audience, feasibility and novelty of the proposed solution
 - Project engagement
 - # of participated students, OUs, schools/organizations, reach to the public, participants' feedback
 - Project impact and sustainability
 - Higher priority for projects which will be
 - Based on IEEE TryEngineering or other EAB products
 - Obtaining support from EAB, Education Society, MGA or other OUs
- ▶ Tentative schedule
 - Announcement of grants: 1st Feb
 - Submission deadline: 18th Mar
 - Notification of results: 30th Apr
 - Reporting and claims for expenses: 1st Sep

Details of Project 2B

EA project development grant - Theme-based (SDG-related, Cross-Section, IEEE Learning Network) <https://ea.ieee10.org/theme-based-track/>

- ▶ Grant mechanism similar to Project 2, with a dedicated focus
- ▶ SDG-related*
 - Reason: Respond to the demands of sustainability education and HQ's focus on climate change
 - Scope: EA development on **SDGs 5 (Gender equality)**, **7 (Affordable and clean energy)**, **11 (Sustainable cities and communities)**, **13 (Climate action)**
- ▶ IEEE Learning Network
 - Reason: ILN has a top priority in EAB products; Received good feedback from members; Promote life-long learning
 - Suggested scope: Orientation, Learning experience sharing, Learning adoption
- ▶ Cross-Section
 - Reason: Promote collaboration between OUs
 - Requirement: Collaboration among (at least) four OUs
 - Special arrangements for Sections with less than six sub-OUs

SDG*: Sustainable development goals

Details of Projects 2A and 2B

Matching Funding Policy

General track (2A)

- ▶ Submission by the Council/Section/Subsection:
 - Face-to-Face or hybrid activities: A maximum of USD 400
 - Virtual Activities: A maximum of USD 250
- ▶ The funding is released based on the IEEE Region 10 Matching Fund Policy.
 - A Large Section's project (1501 members or more) will be supported with 50% of the total fund
 - A Medium Section's project (501 to 1501 members) will be supported with 70% of the total fund
 - A Small Section's project (less than 500 members) will be supported with 90% of the total fund
 - A Council's project will be supported with 90% of the total fund

Theme-based track (2B)

- ▶ Submission by the Council/Section/Subsection:
 - Face-to-Face or hybrid activities: A maximum of USD 600
 - Virtual Activities: A maximum of USD 375
- ▶ The funding is released based on the IEEE Region 10 Matching Fund Policy.
 - A Large Section's project (1501 members or more) will be supported with 50% of the total fund
 - A Medium Section's project (501 to 1501 members) will be supported with 70% of the total fund
 - A Small Section's project (less than 500 members) will be supported with 90% of the total fund
 - A Council's project will be supported with 90% of the total fund
 - A "Cross-Section" project will be supported with 80% of the total fund

Details of Project 3

EA Awards

- ▶ Promote, facilitate and support submissions to IEEE EAB Awards from R10 OU's
 - Potential candidates from Best Paper Awardees in TALE
- ▶ Establish objectives, evaluation criteria and judging panel for the R10 EA Awards
 - R10 EA Outstanding Group Award
 - R10 EA Outstanding Volunteer
- ▶ R10 EA Award Schedule
 - Announcement: 1st April
 - Nomination Deadline: 15th May
 - Submission of Evaluation to Award Nomination Committee: 30th June
 - Approval of nomination: 1st August
- ▶ Budget: Plaques and certificates provided by R10 Award and Recognition Committee / R10