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

Lance C.C. Fung
2019-2020 R10 Educational Activities Committee Chair
2019 Educational Activities Committee Report
2019 EAC Committee Report

Committee Structure
1. Chair: Lance Fung
2. Members: Zuhaina Zakaria, Aravindhan Anbazhagan, Nirmal Nair, Supavadee Aramvith, Binh Huynh Thi Thanh, Muhfizaturrahmah, Gao Yun An, Chang-Bong Kim, Shaikh Fattah

Objectives
The IEEE Region 10 Educational Activities Committee (EAC) provides guidance and assistance to Region entities in organizing, pre-college education programs, Teacher-in-service program (TISP) and other EAC related activities, and, publicizing educational opportunities available from the Institute.

Projects / Tasks
1. R10 EA Challenge – Invite proposals for creative programs which provide values to IEEE members and align with MGA and EAB goals.
2. Solicit nomination for EA awards.
3. EA Awareness R10 Sections/Member
4. R10 TISP Workshops

Project Outcomes

- **Project 1**
  Encouraged creative EA program which aligns with MGA and EAB goals. (26 submission)
- **Project 2**
  Quality and suitable nominations. (six individuals and two groups)
- **Project 3**
  R10 EAC Webinar and presentation at R10 HTC
- **Project 4**
  TISP Workshops 10 EOI received and reported workshops ran in countries including Indonesia, India, Malaysia, China and Myanmar.

Finance
1. Project 1: USD 2000
2. Project 2: USD 1000
3. Project 3: USD 1500
4. Project 4: USD 2500
5. Travel: USD 3000

**Total Budget**: USD 10000
Project 1: R10 EA Challenge

**Objective** – To invite and support proposals for creative programs which provide values to IEEE members and align with MGA and EAB goals.

- Proposal Due: 15\textsuperscript{th} April 2019
- Notification of Results: 15\textsuperscript{th} May 2019
- Report Due: 30\textsuperscript{th} November 2019
- Received 26 submissions from 7 countries.

- **University Education:**
  - **Winner:** Sarawak Subsection – “University Education, Computational Thinking through Game Co-Creation Approach”
  - **Runner Up:** Education Society Chapter, Pune Section – “Technology Dissemination Contest for Students (TDCS-2019)”.

- **Pre-University Education**
  - **Winner:** Swinburne Sarawak Student Branch – “STEM Outreach Robotics Challenge for Secondary Schools”.
  - **Runner:** Education Society Chapter, Indonesia Section – “Localized IEEE STEM Education Syllabus for Indonesia Primary Schools”.

- **Commendation Support:** Bangladesh Section – “Engineers Educate Future Engineers (EEFE)”.

- **Commendation Support:** Bahawalpur Subsection – “IEEE EA Awareness in Orphan House” and “IEEE Education and YP joint Activity Day”.

- **Commendation Support:** UTHM Student Branch – “Terokai Dunia Sains dan Teknologi” and “Young Engineer State Challenge 2019 (YESC 2019)”.
Details of Project 2

**Objective:** To recognize EA’s outstanding volunteer and group achievement in R10

- Call for Nomination: 20\textsuperscript{th} April 2019
- Deadline – 20\textsuperscript{th} June 2019
- Announcement – August 2019

- **R10 Education Activities Outstanding Group Award:**
  - Malaysia Section Educational Activities Committee
  - in recognition and appreciation of value services and contributions.

- **R10 Education Activities Outstanding Volunteer Award:**
  - Dr. B. Premlet
  - in recognition of outstanding contribution and services for educational activities to the IEEE Kerala Section
Details of Project 3

Objective: To raise EA Awareness R10
Sections/Members

▶ An IEEE EAC webinar entitled “Integrating Educational Activities in Student Branch, Section Events and Best practices” was held on 7th September, 2019. The event received 95 registrations for the event from Australia, Bangladesh, India, Indonesia, Japan, Malaysia, Pakistan and Sri Lanka. Registrants included Students, WIE, YP and Senior Members.

▶ The session shared information on the organisation of IEEE, EAB, R10, EA resources and programs, in particular ILN and TryEngineering, R10 EA initiatives, SEOC Operation Manual, TISP week and sharing the best practice.

Questions raised and answered:

1. What are the opportunities for the Student Members to get involved in Educational Activities?

2. For arranging Educational Activities in SB, can we get support to invite Distinguished lecturers to be the Chief Guest for the Event?

3. Could you throw some light on tryengineering.org and how it is helpful for pre-university students?

4. What are the funding opportunities available with IEEE EA?

5. What's a better option: doing a one-day immersion activity with school students or a continuous learning sessions?

6. Could you share some ideas how to kick start EA in our section?
Details of Project 4

**Objective:** To encourage and support TISP and EA workshops in R10

- Many workshops held or conducted by local IEEE OU with support from Section / R10 / EAB
- TISP week was jointly proposed and supported by EAB and R10 for November, 2019.
- 12 OU’s from (Singapore, India, Indonesia, Malaysia, Thailand and Bangladesh) have signed up for the TISP week in Region 10.
- One will be held in Region 8 as Dr Urooj from R10 is currently attached to Riyadh, Saudi Arabia.

**Selected Workshops:**

- **12th October, 2019** - Malaysian Global Innovation and Creativity Centre(MaGIC) Cyberjaya, Malaysia – EAC Malaysia Section
- **5th November, 2019** – at Yangon Technological University – A/Prof Supavadee Aramvith, supported by EAB and IEEE Myanmar Subsection
- **14th Nov., 2019** – at IEEE R10 HCT 2019 at Depok, Indonesia – Lance Fung and Iwan Kustiawan, supported by EAB and R10
- **22nd November, 2019** – at Samata Vidya Mandir, Mumbai, supported by EAB and R10
- **11th Dec., 2019** – at the Department of Electrical Engineering Education UPI Indonesia - Iwan Kustiawan and Ayu Purwarianti
IEEE Malaysia Section added a new photo to the album: IEEE Day 2019.
September 24 •

IEEE Malaysia Section (Educational Activities) Teacher-in-Service Program (TISP) Workshops in conjunction with IEEE Open Day 2019 and TISP Week 2019.

Workshop 1: Electrical and Electronics Design (http://bit.ly/2IPgCz1)
Workshop 2: Computational Thinking and Programming (http://bit.ly/2m0Jg0p)

Date: 12 October 2019 (Saturday)
Time: 0830 – 1700
Venue: Malaysian Global Innovation and Creativity Centre (MaGIC)
Cyberjaya
Fee: Free
Additional Activities

IEEE EAC Section Education Outreach Committee

1. Create and engage a community of practice for EA Volunteers.

2. Create and promote a volunteer resource center and measure its satisfaction and reach.

3. Organize Training and Feedback session for SEACs

4. Prepare and deliver EA Insight – Member Edition (3-times per year)