

Region 2 Educational Activities 2017

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IEEE Region Educational Activities Chair
Saturday, April 22, 2017



Agenda

- ▶ EA Governance and Mission
- ▶ Student and Academic Education Programs
 - Pre University Education
 - University Education
 - IEEE-HKN
- ▶ Continuing Education Offerings
- ▶ For More Information



IEEE Governance Organization



MEMBERS

Assembly

Board of Directors

PSPB

Educational
Activities Board

Standards Assoc.
Board

IEEE-USA Board

Member & Geo
Activities Board

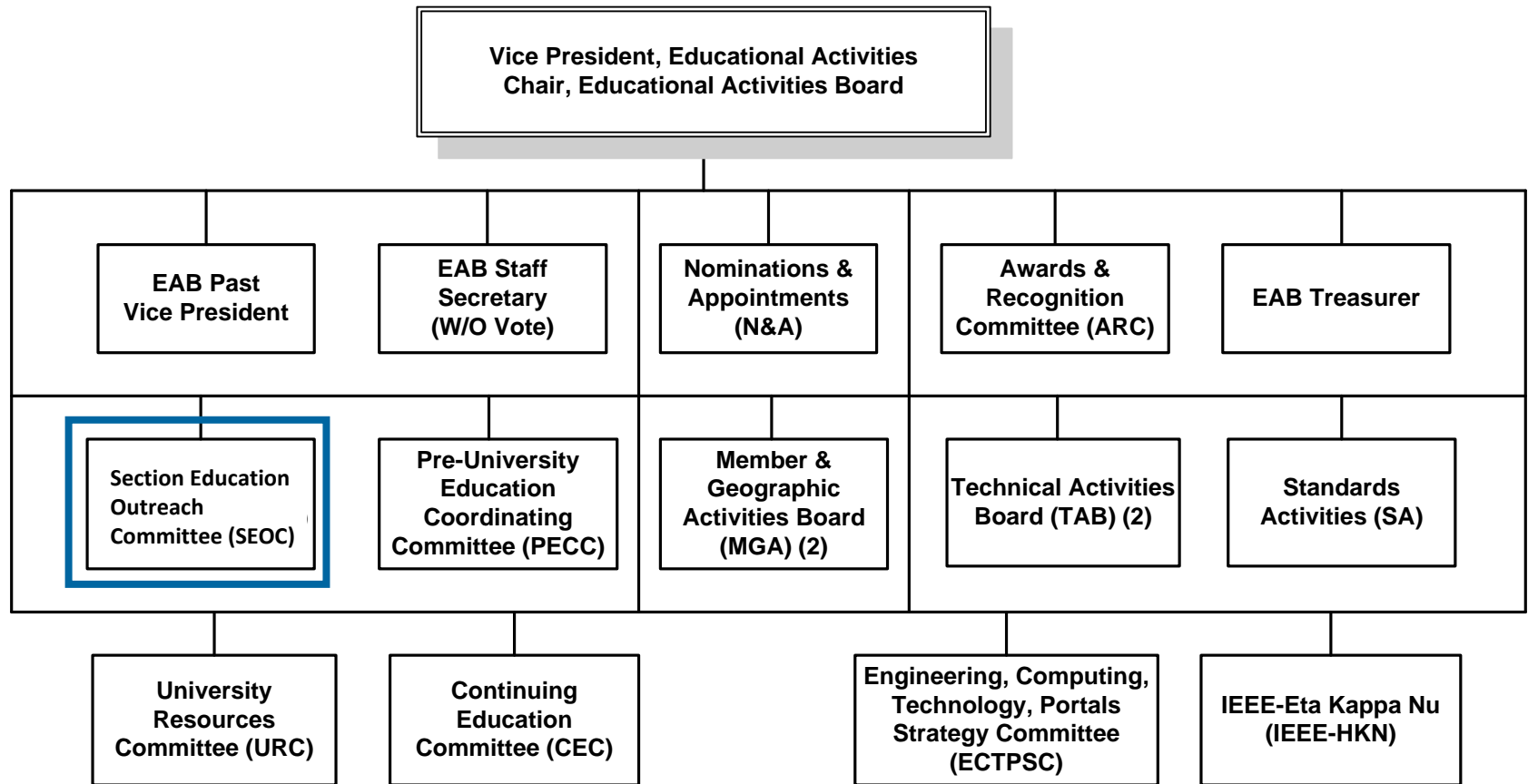
Regions &
Sections

Technical
Activities Board

Tech Cmtee

Societies & Tech.
Councils

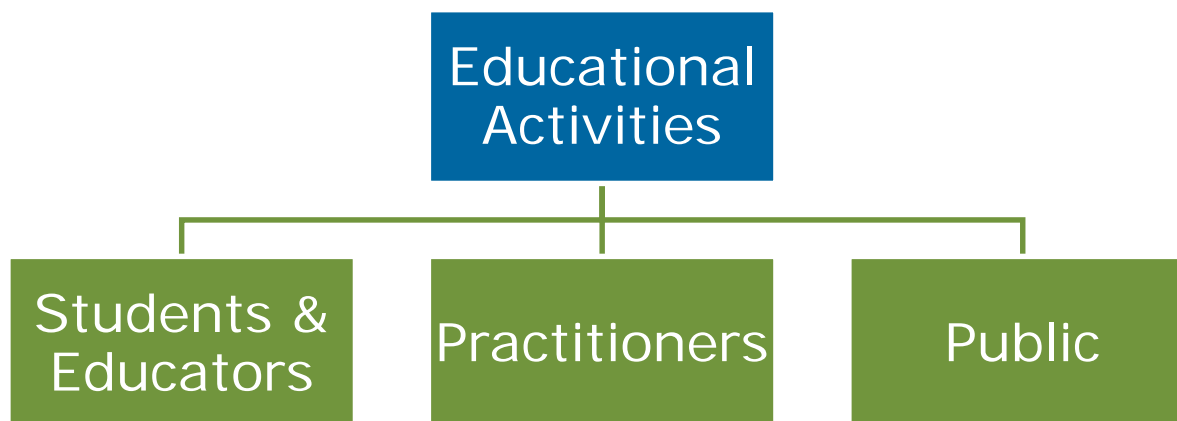
EAB Organizational Structure



Total Members = 17
Voting Members = 16
One Non-Voting Member = 1
EAB Staff Secretary/Managing Director, EAD



Educational Activities (EA) – Who do we serve?



Be the recognized and respected portal for educational resources, global in reach but local in relevance, supporting life-long learning and catalyzing change through education.

Student and Academic Education Programs

Pre-University Education and Outreach

Objective

Providing resources, curricula and pedagogical practices for pre-university educators, creating technological awareness and inspiring young people to select engineering as a career path

Audience

Primarily serving pre-university educators; secondarily serving counselors, parents and students

Portfolio Components

- Engineering in the Classroom
- Online Resources
- Social & Humanitarian Innovation

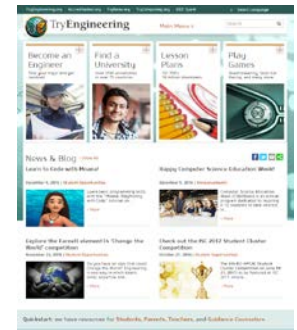
Teacher In-Service Program (TISP)

A **“Train the Trainer”** program that trains IEEE volunteers to work with pre-university teachers



On-line Resource Portals

Online portals to explore various educational resources for careers in Engineering, Computing and Technology



EPICS in IEEE

A program that organizes university and high-school students to work on engineering-related projects with local area community organizations



University Education

Objective

To promote and enhance the content and delivery of engineering, computing and technology (ECT) education globally

Audience

Primarily serving university educators, students and ECT dept. heads; secondarily serving administrators

Portfolio Components

- Engineering Education Accreditation
- Faculty Resources
- Educational Curriculum
- Student Academic Resources

Accreditation

Working within ABET, IEEE EA oversees the accreditation of more than 800 engineering, computing and technology programs in IEEE's fields. Globally, IEEE EA provides guidance and support for the operation of existing and new global accrediting bodies



IEEE Academic

A student-driven and locally-based online educational resource to aid students in their academic learning and to help them achieve academic success



Early Career Faculty Development

Provide early career faculty with a portfolio of tools and resources necessary to enhance their professional development and manage their career choices and paths



IEEE Eta Kappa Nu (IEEE-HKN)

Objective

Dedicated to encouraging and recognizing individual excellence in education and meritorious work, in professional practice and IEEE's designated fields

Audience

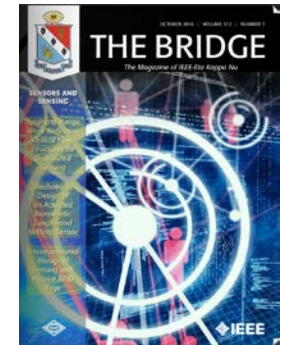
Primarily serving university students; secondarily serving alumni members

Portfolio Components

- Student Leadership Development
- Mentoring and Tutoring
- Community Service
- Chapter Development

THE BRIDGE

Published since 1910, **THE BRIDGE** is the flagship publication of IEEE-HKN. Published 3 times a year, this award winning magazine is the primary communication channel of IEEE-HKN.



STUDENT LEADERSHIP CONFERENCE (SLC)

This conference brings together IEEE-HKN students from around the world for training and networking in a leadership program designed to help them develop skills to become a “complete engineer”.



FOUNDER'S DAY

Each year on 28 October, the anniversary of the establishment of the first chapter, we celebrate Founders Day. Chapters around the world have activities, contests, competitions and fun to promote the mission of IEEE-HKN



Continuing Education Offerings

Continuing Education Programs

IEEE eLearning™ LIBRARY

- Over 400 1-2.5 hour online on-demand tutorials
- Introductory, Intermediate, & Advanced Courses
- Participants earn CEUs/PDHs
- <http://ieeexplore.ieee.org/courses/home>



- Partnership with edX
- Open and paid courses
- Over 200,000 enrollments in 2 years
- www.edx.org/school/ieeex

IEEE STANDARDS UNIVERSITY

- Comprehensive [destination](#) to learn about standards
- Officially launched October 2016
- Built to address industry request to equip more graduates with an understanding of standards

IEEE English for Engineering



- Over 45 hours of online learning content designed to improve listening, speaking, reading, and writing skills



For More Information

- ▶ **Visit: [IEEE Educational Activities](https://www.ieee.org/education)** (<https://www.ieee.org/education>)

- ▶ **Contact your Region Educational Activities Chair (REAC)**
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