

IEEE Canada Overview

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IEEE Canada



IEEE Quick Facts

- ▶ World's largest professional association dedicated to advancing technological innovation and excellence for the benefit of *humanity*
- ▶ Not-for Profit (*gains go back into the association*)
- ▶ Volunteer-led
- ▶ Produces almost one third of world's technical literature in electrical engineering, computer science, and electronics
- ▶ Over 1300 conferences / year in 80 countries
 - partners with over 1000 **non-IEEE entities** globally

IEEE Quick Facts

- ▶ 1400+ standards & projects under development
- ▶ Education & Careers support
- ▶ World-Class Awards Program
- ▶ Charitable Foundation Subsidiary
- ▶ 429k members; 116k students (*160 countries*)
- ▶ 1200 staff
- ▶ 2,195 technical chapters in 45 societies
- ▶ 2,354 student branches in 80 countries
- ▶ 800 student branch technical chapters
- ▶ 428 affinity groups (*WIE, LM, IEEE-USA Consultants Network, GOLD*)
- ▶ *During July BoD meeting GOLD was changed to Young Professionals (YP)*

IEEE Heritage

- ▶ AIEE (1884) – American Institute of Electrical Engineers
- ▶ IRE (1912) – Institute of Radio Engineers
- ▶ IEEE (1963) Institute of Electrical and Electronics Engineers from AIEE & IRE
- ▶ **IEEE Canada** (1994) merger of CSECE and IEEE Region 7
- ▶ IEEE-HKN (2009) merger of HKN and IEEE

IEEE Recognitions

- ▶ Institute level awards and medals
- ▶ Major OU awards
- ▶ Society awards
- ▶ Region level awards (**IEEE Canada Annual Awards**)
- ▶ Prize Paper awards
- ▶ Service recognitions
- ▶ Section/Chapter local awards
- ▶ Student competitions
- ▶ **Affiliated awards (EIC)**

IEEE Today

- ▶ Technical Activities (TAB)
- ▶ Membership & Organization (MGAB)
- ▶ Standards (SA)
- ▶ Educational Activities (EAB)
- ▶ Publications & Conferences (PSPB)
- ▶ **Charitable Foundations (IF & ICF)**
- ▶ * these functional areas are co-dependent on each other even though we often fail to acknowledge the relationship!

IEEE Canada Quick Facts

- ▶ Result of 1994 merger between Region 7 and Canadian Society of Electrical & Computer Engineers
- ▶ 18k members (*~4% of total IEEE membership*)
- ▶ 5.4% annual growth rate (*cf. 2.3% worldwide*)
- ▶ 20 Sections
- ▶ 27 Active committees (*e.g. TISP, WIE, GOLD, LM, Students*)
- ▶ We tend to pull above our weight class (awards, Fellows, financial & volunteer resources, **milestones**)
- ▶ Some sections have been around 100+ years



IEEE Canada



IEEE Canada (Region 7) - www.ieee.ca



Why IEEE Canada Matters

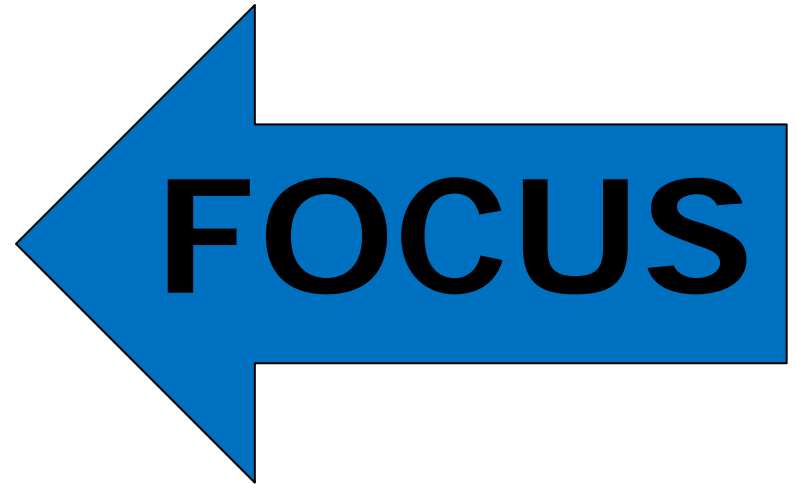
- ▶ Business leaders are having difficulty finding the science, technology, engineering & mathematics (STEM) talent they need to stay competitive.
- ▶ 100 years ago, a high literacy rate amongst the general population equated to prosperity.
- ▶ Today, a high level of STEM knowledge amongst the general population equates to being globally competitive.
- ▶ Politicians make decisions based on votes, not facts. A STEM aware constituency can influence decisions for the long-term betterment of all.

Volunteers Are The Secret of IEEE's Success...

What is Your Role?

To provide **Leadership**

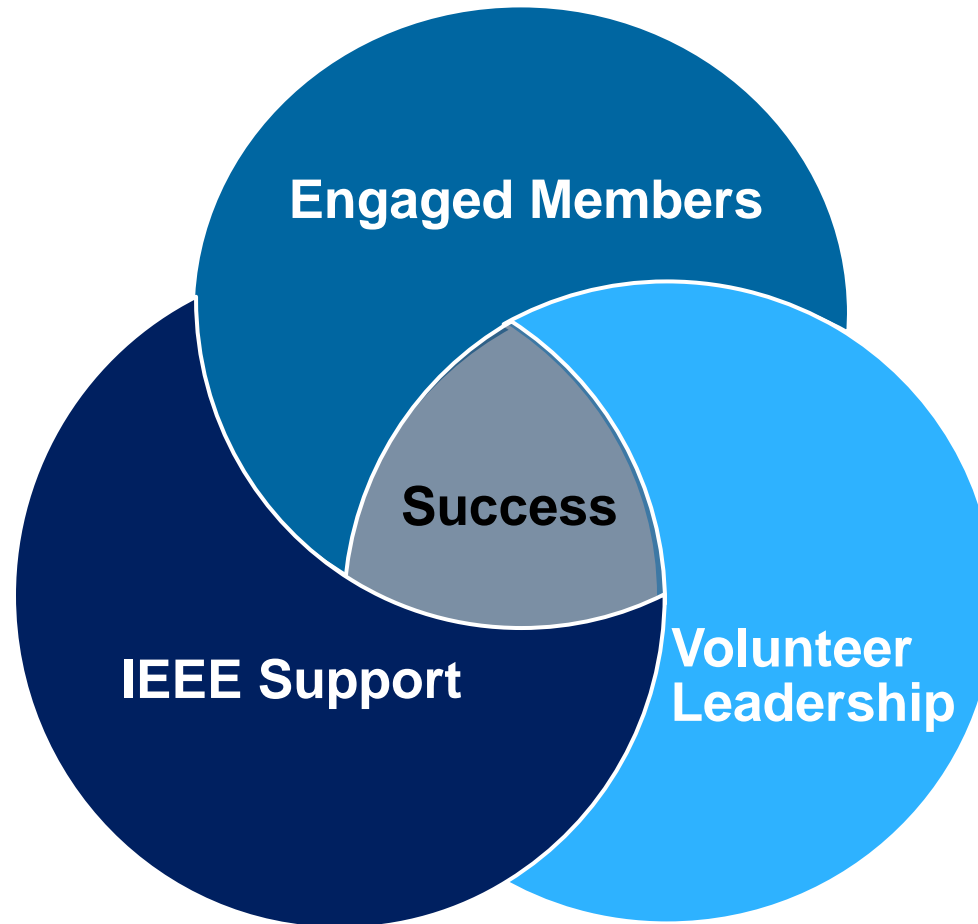
- Strategic Direction
- Role Models
- Relationship Builders



To provide **Operational Management**

- Oversight
- Growth
- Risk Management

Keys to our success



Want More Information?

IEEE Centre for Leadership Excellence:

- <http://iee-elearning.org/CLE/>

IEEE TV

- <https://ieeetv.ieee.org/>