

IEEE Educational Activities 2018

*Sonya Dillard
Region 3 Meeting
SoutheastCon 2018*



Educational Activities Board Members 2018

- ▶ IEEE Vice President, Educational Activities and Chair, EAB - **Witold Kinsner (Region7)**
- ▶ Immediate Past Vice President, Educational Activities - **S.K. Ramesh (R6)**
- ▶ EAB Treasurer - **Edwin Chong (R5)**
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- ▶ MGA Representatives **Tim Kurzweg (R2)** (R1-6); **Antonio Ferreira (R9)** (R7-10)
- ▶ TAB Representatives - **Liz Burd (R10)** & **Maciej Ogorzalek (R8)**
- ▶ Standards Association Representative - **Howard Wolfman (R4)**
- ▶ Awards and Recognition Committee Chair - **Lorena Garcia (R9)**
- ▶ Continuing Education Committee Chair - **Bruce Kraemer (R3)**
- ▶ Pre-University Education Coordinating Committee Chair - **Supavadee Aramvith (R10)**
- ▶ University Resources Committee Chair - **Steve Phillips (R6)**
- ▶ Section Education Outreach Committee Chair - **Sohaib Sheikh (R8)**
- ▶ IEEE-HKN Board of Governors and President- **Steve Watkins (R5)**



Section Education Outreach Committee

Members, Mission and Scope

- ▶ The SEOC is made up of 1 Chair, 1 MGA Rep, and 10 Representatives (1 from each Region)
- ▶ The Mission of the SEOC is to engage and support IEEE Sections and the Section Education Activities Chairs/Coordinators in their efforts to promote and implement EAB's products and services based on local educational needs.
- ▶ The Scope of the SEOC is having the lead responsibility within EAB for building and maintaining strong working relationships with IEEE Regions, Sections, and Chapters in order to work with these organizational units as partners to promote the EAB's products and services.
- ▶ The SEOC is currently working on updating its Charter, Operational Manual and Processes to disseminate information to IEEE members the most effective way



2018 Learning Programs from Educational Activities

Cutting-Edge Professional Education Programs Produced with IEEE Experts

2018 eLearning Library Programs

- ▶ Artificial Intelligence & Ethics in Design, Parts 1&2 (with Standards)
- ▶ Edge Computing (with Computer Society)
- ▶ Self-Driving Vehicles (with VTS)
- ▶ IEEE Guide to Building a Better Smart Grid (with PES)

Browse courses at
<https://ieeexplore.ieee.org/courses/home>

Also coming in 2018

- ▶ IEEE Intro to Blockchain Tech (with IEEE Spectrum)
- ▶ SMPTE Standard 2110 Course Program
- ▶ Mars Space Colony (Standards simulation game)
- ▶ NESC full course program

Launching Q4 2018:

IEEE  **LearningNetwork**

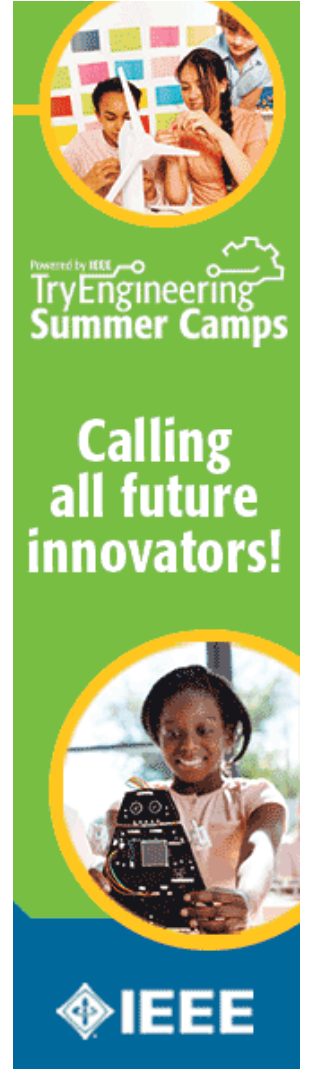
Your one stop for continuing education from across IEEE



Student and Academic Programs

Valuable Opportunities for Region 3

- ▶ TryEngineering Summer Camps – 3 locations around the United States
 - Currently, they are located on 3 college campuses in: New York, Texas, and California
 - <https://tryengineeringcamps.ieee.org/>
- ▶ TryEngineering Together – STEM sponsorship opportunities for companies in Region 3
 - <http://www.tryengineeringtogether.com/>
- ▶ IEEE EAB Awards Program – Section Education Awards are perfect for many of Region 3 Sections, Chapters and Members (Go online and Nominate NOW!)
 - <https://www.ieee.org/education/awards/index.html>
 - *EAB Awards recognize and honor major contributions to engineering and technical education.*
 - *Award nominations and scholarship applications are accepted beginning 1 January each year. The annual deadline is the **first Monday after 30 April**.*
 - *EAB Awards Ceremony, which is held in conjunction with the November IEEE Meeting Series each year, and travel costs for EAB Award Recipients are funded up to \$2,000 USD for most EAB Awards.*



Region 3 Goals for Section Educational Activities

Supporting Lifelong Educational Advancement

- ▶ Supporting lifelong educational advancement from K-12, collegiate, professional members to retirees and life members. Support or host at least one educational initiative in each of the categories below:
 - **K-12 Programs** (Ex. Future City Competition, MATHCOUNTS, Science Fairs, Robotics Competitions, supporting local STEM teachers with the Teacher In-Service Program)
 - **Collegiate** (Ex. Support the local chapters with lab equipment, mentors for robotics, NASA University Student Launch Initiative (USLI), and other college level competitions, etc.)
 - **Professional** (Ex. Technical Workshops, Digital Library Tutorials, host a professional development seminar)
 - **Retirees & Life Members** (Ex. Online training workshops, refresher training at a local library, offering assisted upgrades for members' personal computers at discounted rates)
- ▶ Region 3 will update links to many programs and services so that each Section can target the programs they want to implement within the year
- ▶ Request all Sections EA Reps submit information on how they supported or hosted local EA Outreach in each category



For more information:

Visit: www.ieee.org/education

Continuing Professional Education topics:
InnovationatWork.ieee.org

Continuing Professional Education courses:
<https://ieeexplore.ieee.org/courses/home>

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