



IEEE Region 2, East Area

*Don Herres, P.E.
East Area Chair*

IEEE Region 2, East Area

Delaware Bay: Stephen Steffel
Lehigh Valley: Richard Jessop
Philadelphia: Emilio Salgeuro
Southern New Jersey: Clifford Kaelin

Membership as of April 15, 2019

IEEE Region 2 Meeting
May 4 & 5, 2019

Hershey Lodge, 325 University Drive
Hershey, Pennsylvania 17033



Delaware Bay Section – 2019 Region 2 Meeting

OFFICERS

- Chair – Stephen Steffel
- Vice Chair - Charles Hicks
- Secretary - Don Dzedzy
- Treasurer – Michael McCann
- Student Activities – Austin Brockmeier
- Awards & Recognition Chair – Gregory Wasno
- Newsletter Editor – Douglas Tipton
- Computer – Greg Wasno
- Signal Processing/Communications – Charlie Boncelet
- Power & Energy/Industry Applications – Gordon Lipsky

EVENTS IN 2018 & 2019

- Science Olympiad - - Gordon Lipsky and Wayne Lu developed “Wonders of Electricity” course for students. It has been well received and is now recommended across the country & IEEE is now a sponsor of Science Olympiad.
- Junior Achievement Career Days – a number of IEEE members have participated in presentations and hands on sessions helping students consider a career in electrical engineering or other technical pursuits
- Elevation of a number of members to Senior Member status
- Joint meetings with the ISA and ASME and are considering a once/year joint meeting with the AIChE
- Sponsor awards for the Electrical Engineering program at University of Delaware

UPCOMING 2019 EVENTS

- **Full Slate of Technical Meetings for Members**
 - **Drones**
 - **Engineers without Borders**
 - **Visit – DuPont Experimental Station**
 - **Battery Energy Storage**
 - **Aberdeen – Testing New Tech for Military**

EVENTS IN 2018 & 2019

- **Past Meeting Topics**
 - **Rocket Control Systems – Orbital ATK**
 - **Power Quality with Increased use of Power Electronics – PMI**
 - **Electromagnetic Compatibility Testing**
 - **Visit to Southco, high tech Mfr control systems**
 - **Blockchain – Going Beyond Crypto Currencies**
- Science Olympiad – each year the IEEE conducts a number of training classes at the Univ of DE for students participating in Science Olympiad



Delaware Bay Section - 2019 Region 2 Meeting

HIGHLIGHTS – 2019

- Full slate of active officers
- Outreach to Jr High and Sr High students
- “Wonders of Electricity” course becoming nationally recognized and recommended for Science Olympiad
- Full slate of technical meetings
- Active Student chapter at Univ of DE

ISSUES AND CONCERNS

- Biggest issue was the loss of communication capability to many members who didn't “opt in” and hence do not know about upcoming local meetings

Lehigh Valley Section – 2019 Region 2 Meeting

OFFICERS

- Chair - Richard Jessop
- Vice Chair – Richard Jessop
- Secretary - Stephen Csaszar
- Treasurer - George Beam
- vTools Coordinator - David Thompson
- Membership Development – Nicole Lacouve
- Educational & Student Activities – Navjot Sandhu
- PACE – George Beam
- Professional Activities – Pete Zawasky
- Electron Devices – David Thompson
- Power & Energy – Gary Smullin
- Solid State Circuits – Robert Peruzzi
- Computer – Stephen Csaszar
- Awards and Recognition – R. Peruzzi, G. Beam and N. Lacouve

KEY EVENTS IN 2018 & 2019

Student Branch Wilkes 9-12 IEEE Engineering Olympics
Student Branch Lehigh - Area Robotics Competition
Sponsoring students at the engineer's week banquet
Student tour of Lutron

UPCOMING 2019 EVENTS

PES Surge Protection on T&D Systems
CS DevOps
Recruitment events.
Sr. Member elevation night
Fellow elevation ad hoc meetings
Social hours for meet & greets. Section or by Society
Special event to celebrate Tesla's birthday – use to market us
Digitally assisted data converters
Analog and mixed-signal front-ends and techniques for IoT sensor networks

EVENTS IN 2018 & 2019

US Power Market and Solar Power
SSCS Planning meeting
The Grid, A compilation of legal issues
Lutron (local company) presentation of IoT
Grid Challenges
How reliable are the NG Nan devices
Energy and Tech policy within 2019/2020 Congress
Short Circuit Current Ratings and Series Ratings
Distinguished lectures series

Lehigh Valley Section – 2019 Region 2 Meeting

UPCOMING 2019 EVENTS continued

Memory technologies

Student Trip to ON Semiconductors

Binaural Hearing Aid System and the Intelligent Acoustic
Signal Processing

Continuous-Time Sigma-Delta ADCs for Receiver
Applications - Basics, Non-idealities and State of the Art

EVENTS IN 2018 & 2019 continued

How Reliable are the Next Generation Nanoelectronic
Devices?

Drivestick the future of driving

Graduate Solid-State Circuit paper presentations at
chapter technical meetings, competing for cash prize from
our chapter's annual subsidy

Lehigh Valley Section - 2019 Region 2 Meeting

HIGHLIGHTS – 2019

- ▶ Rejuvenated the Student Branch structure in the LVH Section
- ▶ (started September 2018 through March 2019)
- ▶ Rejuvenating membership and active participation
- ▶ (Started April 2019 through end of 2019)
- ▶ Expanding social media presence. It is working. People don't want multiple places to look for updates/events etc.

ISSUES AND CONCERNS

- ▶ vTools. Need Section Society Officers to be able to send to entire Section. Request submitted, Zero responses. Need a more passive vTools to bypass Corp Firewalls.
- ▶ Region 1. Again. <http://sites.ieee.org/r1/about/> note that map has come back and includes part of Region 2. Complaints from new members that they are being put into R1 Sections and not our LVH Section in R2.
- ▶ Decline in active participation at ExCom, Societies and events. Desperate need of new blood.
- ▶ Don't tell me I have people in positions too long and they need to be replaced. You want them replaced, you send me someone who will not only take the position but be willing to perform correctly.

Philadelphia Section – 2019 Region 2 Meeting

OFFICERS

- Chair - Emilio Salgueiro
- Vice Chair – Mark Soffa
- Treasurer – Robert Johnston
- Secretary – J.J. Gingerich
- Past Chair – Peter Silverberg
- Technical Activities & Conferences – Marvin Weilerstein & Mark Madjar
- Section Night – Fulvio E. Oliveto
- Student Activities – Richard Barnett Adler & Chris Dietsch
- Student Representative – Don Stahlberger
- Young Professionals – Edwin John
- Education & Conference – John Iannuzzi
- Professional Activities – Fallon Kider
- Women in Engineering – Marie Tabbut
- Communications & Public Relations –Michael Mayor
- Membership – Kathleen McDevitt
- Award-Planning Committee – Fulvio Oliveto
- Awards Committee – Emilio Salgueiro, Li Bai
- Life Member – Joe Maida
- Region 2 East / Member Activities – Phil Gonski
- Nominating Committee – Marvin Weilerstein
- SIGHT Chair – Francisco Campos

Philadelphia Section – 2019 Region 2 Meeting

CHAPTER CHAIRS

- Aerospace and Electronic Systems (AES) - Fauzia Ahmad, Ph.D., F.IEEE
- Antennas and Propagation/Microwave Theory and Techniques (AP/MTT) Afshin S. Daryoush
- Circuits and Systems/Control Systems/Systems, Man and Cybernetics (CAS/CS/SMC) - Zia Ahmad
- Communications/Information Theory (COM/IT) - Immanuel Friedman
- Computers (C) - Li Bai, Emilio Salgueiro
- Electromagnetic Compatibility (EMC) - Dean Landers
- Electron Devices/Components, Packaging and Mfg Technology (ED/CPMT) - Nancy Ladin
- Engineering in Medicine and Biology (EMB) - Donald L. McEachron
- Life Member Group - Joseph Maida
- Magnetism (MAG) - John Sudano
- Power & Energy/Industry Applications (PE/IA) - Stanley (Stas) Muzylowski
- Professional Communications (PC) - Peter Silverberg
- Professional and Educational Activities (PEA) - Stas Muzylowski
- Reliability (R) - Fulvio Oliveto
- Special Interest Group on Humanitarian Technology (SIGHT) VACANT
- Signal Processing/Broadcast Technology/Consumer Electronics (SP/BT/CE) - Michael Mayor
- Solid State Circuits - Firooz Aflatouni
- Technology and Engineering Mgmt / Soc Implications of Tech (TM/SIT) - Margaret Goodman
- Vehicular Technology (VT) - Brandon S. Swartley

Philadelphia Section – 2019 Region 2 Meeting

EVENTS 2018

- ITC Conference
- TTC workshop
- Award Banquet
- Student Scholarships
- IEEE RISE

UPCOMING 2019 EVENTS

- Monthly Section Night (ongoing)
- Several Hackathons (Dragon Hack, others)
- Grace Hopper Award Plaque negotiations continue in Philadelphia

EVENTS 2019

- ITC Conference
- TTC workshop
- Award Banquet
- Student Scholarships
- IEEE RISE
- 2019 Section sponsored CVD
- Several Hackathons (Dragon Hack, others)

GOALS FOR 2019

- Provide members with quality technical briefings to enhance their knowledge in various technologies that will benefit their work place skills.
- Recruit leadership for affinity groups/technical societies.
- Advance more senior members

Philadelphia Section - 2019 Region 2 Meeting

HIGHLIGHTS – 2019

- ▶ **Philadelphia Section Annual Awards**
 - 2019 Awards and Recognition Dinner
 - Union League of Philadelphia
 - Innovation: Beyond the buzzword



ISSUES AND CONCERNS

- ▶ Leadership for affinity groups/technical societies
- ▶ Increase member participation
- ▶ Provide members with quality technical briefings
 - Enhance members soft skills to remain competitive in today's workplace.

Southern New Jersey Section – 2019 Region 2 Meeting

OFFICERS

- Chair - Clifford Kaelin
- Vice Chair -Peter D'Amico
- Secretary - Ryan Patterson
- Treasurer - James Ritchie
- Educational & Student Activities – Joseph Burns
- Professional Activities – TBD
- Young Professionals – Julian Babel
- Webmaster – James Ritchie
- Program Chair – Joseph Burns
- Women in Engineering Chair – Laurie Dobbs-Condon
- Membership – Approx.140

UPCOMING 2019 EVENTS

- Southern New Jersey 10th Annual Robot Challenge
May 4th w/ local HS teams
- IEEE Monthly Dinner Meetings w/ Speaker 3rd Wednesdays
- Monthly Young Professional outreach and development events starting in June
- Co-host 22nd Annual Awards Banquet Nov '19 with local ITEA, INCOSE, NSBE, AIAA, and HFES

EVENTS IN 2018 & 2019

- IEEE Monthly Dinner Meetings with speaker
- 21st Annual Awards Banquet Nov '18 ~150 guests
- Southern New Jersey 9th Annual Robot Challenge
- STEM Outreach - Career Days, Classroom visits
- Jersey Shore Science Fair – 10-12 members serve as judges, ~610 entrants per year
- IEEE WIE member presented at IEEE WIE Forum USA East, NY
- IEEE WIE and YP members attended Future Leaders Forum in Austin, TX

GOALS FOR 2019

- Increase participation at meetings and events by 25%
- Hold 50% more events than in 2018
- Begin hosting monthly YP outreach and development events
- Improve engagement of students at local Stockton University

Southern New Jersey Section - 2019 Region 2 Meeting

HIGHLIGHTS – 2019

- ▶ WIE Affinity Group sponsoring 10th Annual Robot Challenge at Stockton University
 - 11 Schools, 39 Teams, 117 Students
- ▶ PACE supports WIE Robot Challenge
- ▶ SNJ Section has developed strong relationships with local AIAA, ITEA, INCOSE, NSBE, and HFES sections – partnering for monthly dinner meetings and annual awards banquet
- ▶ WIE Affinity Group is very active with full year schedule of activities

ISSUES AND CONCERNS

- ▶ Membership Engagement
- ▶ Member Advancement and Growth
- ▶ YP Engagement