



Dr. Wolfram Bettermann IEEE Region 2 Director



Region 2 Director 2019-2020

Region 2 continues to thrive, gathering leaders and members alike across the globe with its heavy line-up of technical and leadership oriented summer conferences, IEEE Day planning, Calls for Proposals for various technical events, and engaging with our esteemed industry, young professionals, and women in engineering colleagues.

For those of you new to our Newsletter, read more about the Regional priorities at the link below and don't hesitate to [contact me](#) with your innovative ideas, suggestions, and feedback.

[Region Director Full Annual Message](#)

Region 2 Committee Chairs and Coordinators Spotlight

Our valued **volunteers** are key to growing and sustaining our vast IEEE member organization. In each of our newsletter editions in 2019 we highlight a set of our [Region 2 Committee Leaders](#) and recognize them for their service as they work to foster technological innovation and excellence for the benefit of humanity.



Marc Apter

**Life Member Regional
Coordinator**

Recipient of the
MGA William W. Middleton
Distinguished Service Award

[Leader Bio](#)



Jim Beck

**Awards
&
Recognition**

[A&R Dates & Info
\(Regional Meeting\)](#)



Carole Carey

**Women in
Engineering
Coordinator**

[WIE Progress
\(Regional Meeting\)](#)

[Leader Bio](#)



Gerry Christman

**Admission and
Advancement (A&A)
Committee**

[Leader Bio](#)



Dr. Drew Lowery

**Student
Activities
Coordinator**

[Leader Bio](#)



Navjot Sandhu

**Region Webmaster
&
Information
Management
Coordinator**

IEEE REGION 2 Conferences

EVO 2019



Changing times demand an **Evolution of You™**. The dynamics of Leadership are shifting constantly – to stay ahead of the curve, your business skill set must evolve

as well. EVO is a one-of-a-kind conference featuring insightful and inspiring keynotes, dynamic panel discussions and immersive sessions to help you advance your career while effecting change in your organization.

IEEE-USA's two-day flagship event will challenge you to think differently while

embracing innovation and creativity. You'll develop valuable new relationships and share insights with industry peers, all while expanding your knowledge on the journey to becoming a more effective leader.

The exciting EVO19 lineup and session schedule revolves around the following themes: EVOlead, EVOinspire, EVOcareer and EVOskills. EVO19 will focus on learning and networking – but we haven't forgotten the fun as well with an opening night Riverboat Cruise planned for Friday and an EVO3k FunRun scheduled for Saturday morning.

Take your career to the next level and invest in yourself.

IEEE Cloud Summit 2.0

**08 - 10 August, 2019
Washington, DC, USA**



The 3rd IEEE International Conference on Cloud and Fog Computing Technologies and Applications. Venue: Catholic University, Pryzbyla University Center

[Information and Registration](#)

2019 IEEE Electric Ship Technologies Symposium (ESTS)

14 - 16 August 2019

Advanced electric power systems for marine and naval platforms, with emphasis on system architectures, dynamic performance, control and protection, integration of high-power intermittent loads, novel generation and distribution technologies, especially medium voltage dc and ac systems. Also electric propulsion systems, design tools, and naval architecture implications of advanced electric systems.



[Information and Registration](#)

2019 IEEE AUTOTESTCON

AUTOTESTCON is the world's premier conference that brings together the military/aerospace automatic test industry and government/military acquirers and users to share new technologies, discuss innovative applications, and



Gaylord National Convention Center
National Harbor MD (Oxon Hill)

exhibit products and services.

Monday August 26 to Thursday August 29, 2019

[Information and Registration](#)

10th Anniversary IEEE DAY 01 OCTOBER 2019



IEEE Day: Celebrating the first time in history when engineers worldwide and IEEE members gathered to share their technical ideas in 1884.

While the world benefits from what's new, IEEE focuses on what's next.

The celebration of IEEE Day on **1 October 2019** is the **10th year** celebrating this historic event!

Calling All Ambassadors

Our **IEEE Ambassadors** are key to driving awareness of our annual IEEE Day theme of

Leveraging Technology for a Better Tomorrow

Additionally, they coordinate, collaborate, and communicate globally to engage our members and the broader community with wonderful events and celebrations.

Sign Up to be an IEEE R2 Ambassador today

(must be an IEEE member)

<https://ieeeday.org/ambassadors-form/>



IEEE \$1 Million Challenge

Ideas are bigger today—and they should be. Technology is progressing faster than ever

before. IEEE members have always created advancements that allow us to keep up with the changing world.

[Challenge Information & Guidelines](#)

Accepting [Calls for Proposals](#) thru **01 August 2019**

IEEE New Initiative Process

[A Seed Grant proposal process](#) is used for smaller-scale or high-risk proposals when relatively small amounts of funding (US\$40,000 or less) are required and the project may be completed in 12 months or less.

New initiatives are expected to require US\$100,000 or more for a 12-month period. However, any project proposed to the New Initiative Committee with a total budget exceeding US\$40,000 will be considered a New Initiative. Multi-year funding is allowable, with a maximum of up to three 12-month

Guidelines for both options are located [here](#).

periods.

Submit via the [IEEE New Initiatives Preliminary Proposal](#).

Meet Your IEEE R2 Sections



IEEE Akron

Meet Your **Officers**:

- James "Jim" Dowey
- James Wilson
- Richard Buchanan
- Vernon Sproat

WEST Area Chair: [Chang Liu](#)

The Baltimore Section



IEEE Baltimore

Meet Your **Officers**:

- Ken Wong
- Michael Pearse
- Mike Powers
- Ben Tsui

SOUTH Area Chair: [Robert Rencewicz](#)

IEEE Central Penn

Meet Your **Officers**:

- Julio Urbina
- Sawyer Campbell
- Richard Buchanan
- Vernon Sproat

CENTRAL Area Chair: [Robert Lesniewski](#)



IEEE Delaware Bay

Meet Your **Officers**:

- Steve Steffel

IEEE Susquehanna

Meet Your **Officers**:

- Carlos Torres
- Robert Pittman
- Harold Underwood
- Sangkook Lee

CENTRAL Area Chair: [Robert Lesniewski](#)

- Bill Hicks
- Mike McCann
- Don Dzedzy

EAST Area Chair: [Don Herres](#)



IEEE Susquehanna

SECTION AWARDS & RECOGNITION



Ms. Jennifer Owrutsky

BIG Shout out for Jennifer for starting the **IEEE Student Branch of York College of Pennsylvania** associated with the Susquehanna Section.

WAY TO GO!

Max Bankert, IEEE PSU Student Branch

*Our great IEEE success at **CPEWC Whitaker Science Center Event** is a reflection of the ever-increasing dedication and engineering knowledge that the **IEEE PSU Student Branch Volunteers** display on a continual basis.*

*As IEEE Susquehanna Section Chair I was very impressed with your **Snap On Circuit** demonstration and would like to personally thank you for your recent contribution of time to the IEEE Engineers Week Demo & Presentation at the Whitaker Science Center.*

The CPEWC Engineers Week was a resounding success, but we couldn't have done it without you Max Bankert! The IEEE Susquehanna Section appreciates your gift of time, energy, and enthusiastic support towards the CPEWC Event. You have enriched the lives of children and there is greater probability they grow up to hopefully be our future Engineers through your support.

The IEEE Susquehanna Section would like to take this opportunity to say a heartfelt "Thank you". We look forward to working with you again soon.

-- Luis Carlos Torres, Jr

PENN STATE HARRISBURG STUDENTS WIN SAC AWARDS

Electrical Engineering and Electrical Engineering Technology students from Penn State Harrisburg walked away with two awards in the annual **IEEE Region 2 Student Activities Conference**, hosted by West Virginia University (Morgantown, WV) on April 5-7, 2019. *Twenty-five colleges and universities* from Pennsylvania, Ohio, New Jersey, Delaware, Maryland, Virginia, West Virginia, and the District of Columbia competed in ten categories.

Taking first place honors for Penn State Harrisburg in the **Brown Bag II** (Analog Circuit Design) Competition were Ira Matthews, Ron Schaeffer, Zach Snyder, and Ryan Thompson. In addition, *Penn State Harrisburg's IEEE Student Branch* received an award for exemplary performance for the 2017-2018 Academic year.

Other **Penn State Harrisburg** participants in the competitions were Juan Aguirre, Ashab Alamgir, Daniel Balmer, Max Bankert, Karen Fiesler, Nick Lebish, Kiana Montes, Nathan Resendez, Taufiq Sazali, and Alif Tukiran.

This successful endeavor is a direct result of a vibrant student body, an excellent group of faculty, staff, and administrators, in addition to a solid curriculum. Please join me in congratulating the participants for a very successful event.

AB Shafaye, Chair
EE/EET Programs and
ABET & Internship Coordinator
School of Science, Engineering, & Technology
W256 Olmsted Bldg.
Penn State Harrisburg

Capital Area Science and Engineering Fair

Ms. Rebecca Lowes, the Chair Special Awards for the Capital Area Science and Engineer Fair, bestowed special recognition on [Region Director Betterman](#), Area Chair [Robert Lesniewski](#), and [Mr. Brown](#) whom for going above and beyond in their support of this special event.

She notes: "*The students you selected to receive your awards through our fair will go forward from this period inspired to continue honing their scientific knowledge and skills, hopefully to ends which benefit IEEE specifically, but also the scientific community in general.*"

IEEE Susquehanna Section supports *Pennsylvania Engineering Foundation* [MATHCOUNTS competition](#), recognized by Melissa Rohland, President Harrisburg Chapter of the Pennsylvania Society of Professional Engineers.

Mr. John Charlton, an active Life Senior Membermember is on the move to a new IEEE Section. **IEEE Susquehanna Section** recognizes his past contributions and considers him a skilled EXCOM Section asset in regards to his Webmaster volunteer position. Best wishes to your on your continued IEEE Journey!

Section Happenings Around R2

IEEE R2 LIMA Section Supports Ohio Northern University College of Engineering



Ohio Northern University is the central “Hub” for **IEEE Lima**. Most of our members have an affiliation with the University as Students, Alumni, Faculty or Staff.

IEEE continues to collaborate with this vital academic institute by engaging and supporting the students during their presentations at the College of Engineering Senior Design Showcase.

Way to go STUDENTS!

In addition, Ohio Northern University will be opening a new *State of the Art* [Engineering Building](#). Given our long-term partnership, IEEE looks forward to hosting lectures and additional STEM events in new building! This will allow us to harness the expertise of local ONU alumni entrepreneurs and also invite students from the neighboring High Schools to participate, thus expanding our current K-12 offerings. Look forward to seeing our IEEE members and the community out to support this Fall!

Meet Susquehanna's New WIE Affinity Group



Leading the **WIE** way in 2019, the Susquehanna Section earned the Region its 9th Women in Engineering Affinity Group.

Job well done Carole Carey, Regional officers, and our Section leaders offering our thriving Susquehanna Section community members access to a global network connecting over 20,000 members in over 100 countries to advance women in technology at all points in their life and career.

WIE offers many member benefits, awards, scholarships, IEEE Member grade advancement support, professional networking, development. and travel grants.

Consider Joining Now and Welcome to the Region 2 **WIE** Family!

ABET Announces Cybersecurity Criteria IEEE is a Significant partner



ABET announce dthe approval of their first program-specific **criteria for cybersecurity** at the baccalaureate level.

Programs at the U.S. Air Force Academy, U.S. Naval Academy, Towson University and Southeast Missouri State University have earned the distinction of ABET accreditation under the newly adopted criteria.

Both Towson and the U.S. Naval Academy fall into Region 2, specifically the Baltimore Section, South Area.

ABET accreditation provides assurance that a college or university program meets the quality standards of the profession for which that program prepares graduates. With more and more institutions developing undergraduate cybersecurity programs, the **Computing Accreditation Commission (CAC)** of ABET saw a need to establish cybersecurity as a formal academic discipline. Shared expectations of core knowledge, abilities and skills of program graduates will help institutions developing curricula, as well as employers hiring graduates.

For additional information see news article [here](#)!

**Share Your Expertise or Grow New Skills
JOIN an IEEE Technical Community Now!**



Try them Out and GET [INVOLVED!](#)

IEEE Women in Engineering Region 1 & Region 2 Forum USA East 2019



Support Our Annual WIE Event

This event draws over **225** participants, **250+** career fair attendees, and a wide spectrum of sponsors, patrons, and career-fair vendors.

ACT NOW to nominate a speaker, volunteer, register, or sponsor our event.

<https://attend.ieee.org/wie-forum-usa-east-2019/>

- ***Elevating women and students*** by offering value-laden speaking, publishing, leadership, and volunteer opportunities
- ***Connecting women and students*** with executives and practitioners across multiple engineering disciplines (Cybersecurity / IT, Data Sciences, Electrical and Computing Engineering, Mechanical Engineering, Math and Sciences)
- ***Informing and motivational*** keynotes, sessions, and workshops geared towards driving higher levels of innovation, empowerment, and leadership
- ***Opportunity to drive brand awareness*** for diversity, inclusion, cyber, and engineering initiatives within your firm

Lastly, our onsite career fair offers firms an opportunity to reach highly-skilled diversity candidates whom are ready to help take your organization to the next level.

The Call for Papers has been extended until 16 August 2019. Download the CFP Flyer [here](#).

Contact your local SECTION for PACE funding for Student attendance.

IEEE Collabratec

IEEE Collabratec

IEEE Collabratec is an integrated, online community where technology professionals can network, collaborate and create in one central hub. IEEE Collabratec's suite of productivity tools



is available to technology professionals around the world, with exclusive features for IEEE members. IEEE Collabratec can help you!

More information and account access [here](#).

Regional Vitality Happenings

vi·tal·ity: the state of being strong and active; energy-filled

LEARN TO THRIVE USING THE

E – C2 – I2 Approach

- Engagement
- Collaboration
- Communication
- Innovation
- Inclusion

"GREATNESS" REQUIRES A MINDSET OF CONSTANT INQUIRY & INNOVATION

IEEE Region 2

"A Journey We ALL Take Together"

7 States and the District of Columbia; 4 Areas: Central, East, South, and West; 20 Sections

RETHINKING IEEE R2

IS OUR STRUCTURE STILL SERVING US?
WHAT ADDITIONAL VALUE CAN WE PROVIDE (THINK CENTRALIZED SERVICES)?
WHAT STRATEGIC & MISSION ALIGNMENT & TECHNOLOGICAL ENHANCEMENTS ARE NEEDED?
WHAT ENGAGEMENT METHODOLOGIES CAN WE UTILIZE?
WHAT ADDITIONAL REGION EXPERTISE & CAPABILITIES DO WE NEED?

IEEE

"The best way to predict the future is to create it." – Alan Kay

Each of **YOU** are Key to the Vitality Program!

IEEE CORE VALUES: TRUST • GLOBAL COMMUNITY BUILDING • PARTNERSHIP • SERVICE TO HUMANITY • INTEGRITY IN ACTION • GROWTH & NURTURING

Region 2 is also Leveraging Collabratec, Conferences, Industry, Sections, Societies, Social Media, Student Branches, Life Members, WIE, and YP. [Join Us](#) as we work together to move R2 forward!



IEEE Membership Join, Renew, & Elevate

Give the gift of [IEEE membership](#) to a student or professional or renew now.

[Elevate](#) an IEEE professional to a Senior member or Fellow.

Sections Congress 2020

OTTAWA for SC 2020

IEEE Sections Congress is a triennial gathering of Section leadership sponsored by the Member and Geographic Activities (MGA) Board. An event that includes four days of working sessions and networking, Sections Congress involves hundreds of delegates from all ten Regions. At Congress, they learn how to utilize the resources of IEEE to maximize their effectiveness as IEEE volunteer leaders. Workshop, panel, and tutorial sessions are held on topics of interest to the Sections.



IEEE

**Ottawa
Section**



The Congress is also a forum where the Section Chairs speak as the collective voice of IEEE members, expressing ideas about how IEEE can better serve its members, both now and going forward. The issues generated at Sections Congress have had a major impact on the plans made by the IEEE leadership for the future of IEEE.

Ottawa, Canada has been selected as the location for Section Congress 2020.