

IEEE Rochester Section

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September 2020 Newsletter

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Message from the Chair

Dear Colleagues,

The Rochester Section was not as active in the spring and summer months as a result of the COVID shutdowns and pivoting to virtual events, but there are a number of events planned and in the works for the remainder of 2020. Upcoming events include:

- The 2020 Rochester Section Joint Chapter Meeting (JCM) on Tuesday, October 27th
- The Western NY Image & Signal Processing Workshop (WNYISPW)
- A panel discussion on virtual event and meeting organization and hosting best practices

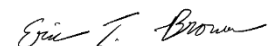
Rochester IEEE is searching for the next generation of leaders, with several leadership opportunities available.

1. *Signal Processing Society (SPS) Chair*: There is a changing of the guard underway in the IEEE Rochester SPS. We are bidding fond farewells to Ray Ptucha and Zhiyao Duan, the outgoing SPS Chair and Vice-Chair, as they leave Rochester for new opportunities on the West Coast. Under their leadership, the Western NY Image & Signal Processing Workshop became one of the preeminent annual IEEE events, with participation on a steady increase year after year. They leave big shoes to fill. Eric Zeise volunteered to serve as the new SPS Vice-Chair and will serve as interim SPS Chair until a permanent chair is selected.
2. *Newsletter Editor*: Howard Bussey has done an excellent job assembling our IEEE section's monthly newsletter, also published by the RES, but has decided to pass on his red editing pen.
3. *RES Volunteers*: RES is seeking volunteers to help with publicity and STEM activities.

Please contact the Rochester Section ExCom members for more information about these and other IEEE volunteering opportunities. Remember: "Volunteers don't get paid, not because they're worthless, but because they're priceless." – Sherry Anderson.

Our next IEEE Rochester Section ExCom Meetings will be on September 1st and October 6th from noon to 1 pm via WebEx. All IEEE members are welcome. These meetings are a good way to learn about activities in our section, and to become involved.

Stay healthy, and best regards,



2020 IEEE Rochester Section Joint Chapters Meeting

The IEEE Rochester Section is having its joint meeting for all IEEE chapters on October 27th, 2020. The meeting will feature a keynote presentation and two parallel sessions with technical presentations from different chapters and societies. Also, in light of the COVID-19 restrictions and to ensure safety and comfort for all attendees, the 2020 JCM will be hosted virtually online. Don't miss this great opportunity to virtually meet and network with people from all engineering disciplines and to learn more about the activities of the different IEEE chapters and societies in the Rochester area. To register and for updates on the JCM, visit the website: <https://events.vtools.ieee.org/m/220441>.

The keynote speaker is Dr. Katherine Duncan of the US Military Academy West Point, 2020 IEEE USA President-Elect. Dr. Duncan is a Visiting Research Fellow in the Department of Electrical and Computer Science at the US Military Academy, West Point NY. She received the BE and ME degrees from Stevens Institute of Technology, in 1998 and 1999, respectively, and the Ph.D. degree in Applied Physics from the New Jersey Institute of Technology in 2008. Dr Duncan joined the U.S. Army Communications-Electronics Research, Development and Engineering Center (CERDEC) in 2009, where she serves as a civilian Senior Research Scientist. As a researcher, she has coordinated research projects focused on the development of novel nanomaterials for next-generation communication systems.



Agenda

3:45 – 4:00 PM Attendees Join Virtual Meeting & Opening Remarks

4:00 – 4:55 PM TECHNICAL PRESENTATIONS SESSION I

1. Anthony Vodacek, PhD, Center for Imaging Science, RIT, *Multi-Modal Sensing in Ranomafana National Park, Madagascar: Acoustic Soundscape and Lidar Structure*
2. Kelly Robinson, PE, PhD, Owner, Electrostatic Answers, *Preventing Static Ignitions in Production Operations*

5:00 – 5:55 PM TECHNICAL PRESENTATIONS SESSION II

1. Linda Marshall, PE, Carestream Health, *Professional Networking*
2. Kai Ni, PhD, Microsystems Engineering, RIT, *Computing with Ferroelectric Devices*
3. Francesco Monticone, PhD, Electrical and Computer Engineering, Cornell University, *New Frontiers for Electromagnetic Wave Manipulation Using Metamaterials, Metasurfaces and Nanostructures*

6:00 – 7:00 PM KEYNOTE PRESENTATION

- Katherine Duncan, PhD, 2020 IEEEUSA President Elect, Electrical Engineering & Computer Science, US Military Academy, West Point, *The Evolution of the IEEE-USA's Mission and Vision*

IEEE Rochester Section Events

Please check the events to ensure they are as scheduled below. Visit events.vtools.ieee.org/m/vtools/# for details about any of these events.

Event	Vtools #	When	Where
EXCOM Meeting	234897	September 1 st , 11:50 – 13:00	Via Webex
EXCOM Meeting	237403	October 6 th , 11:50 – 13:00	Via Webex
2020 Joint Chapters Meeting	220441	October 27 th , 15:00	Virtual Event
Body Language and Networking	225078	October 27 th , 17:30 – 18:30	Virtual Event (presentation in the Joint Chapters Meeting)
Preventing Static Ignitions in Production Operations	225738	October 27 th , 16:00 – 17:00	Virtual Event (presentation in the Joint Chapters Meeting)