



# IEEE Rochester Section

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October 2020 Newsletter

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## Message from the Chair

Dear Colleagues,

The 2020 Rochester Section Joint Chapter Meeting (JCM) will occur as a virtual event on Tuesday, October 27th (more details below). This will be the major technical event for the Rochester section in 2020.

Unfortunately, the 2020 Western NY Image & Signal Processing Workshop (WNYISPW) is canceled. We hope to relaunch the WNYISPW in 2021.

October 6<sup>th</sup> is IEEE day and we will celebrate it virtually during the EX-COM meeting.

Our next IEEE Rochester Section ExCom Meetings will be on October 6<sup>th</sup> and November 3<sup>rd</sup> from noon to 1 pm via WebEx.

Stay healthy, and best regards,

## IEEE Student Membership

The IEEE Rochester Section is committed to helping Electrical Engineering students establish their professional identities as part of the broader community involved in the study and practice of engineering. In any academic program, it is easy to see oneself as an individual fulfilling the requirements of assignments, courses, and course sequences, but not as someone becoming a member of a larger community of people with shared practices, values, and a history shaped by milestones of technological invention. Seeing oneself as part of a broader community is to see the significance and possibility that comes from contributing to that community and how those contributions can, in turn, impact everyday life.



The IEEE is a global organization offering continuing education, technical societies and publications in Computer Engineering, Bioengineering, Robotics, Sustainability, and a great many other areas. It offers participation in affinity groups such as Young Professionals and Women in Engineering. It also offers career development services, resume help, as well as mentoring, and professional networking.

We encourage Electrical Engineering students to join the IEEE as student members (\$16) and within the limitations requiring COVID-safe social gatherings, to host social and learning events. The Rochester Section, along with your University's faculty advisor, are here to assist the Officers of the Student Chapters with planning COVID-safe virtual or in person meetings or activities, and to provide a budget to finance some of these events.

Participating in IEEE Student Chapters is a valuable first step in launching a successful and meaningful career, and membership in the IEEE is guaranteed to serve the student both now and throughout their career. For more information, please see <https://students.ieee.org/become-a-member/>.

## 2020 IEEE Rochester Section Joint Chapters Meeting

The IEEE Rochester Section is having its joint meeting for all IEEE chapters on October 27<sup>th</sup>, 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#](https://events.vtools.ieee.org/m/vtools#) for details about any of these events.

Event	Vtools #	When	Where
<a href="#">EXCOM Meeting</a>	237403	October 6 <sup>th</sup> , 11:50 – 13:00	Via Webex
<a href="#">IEEE Day</a>		October 6 <sup>th</sup>	
<a href="#">2020 Joint Chapters Meeting</a>	220441	October 27 <sup>th</sup> , 15:00 – 21:00	Virtual Event
<a href="#">Body Language and Networking</a>	225078	October 27 <sup>th</sup> , 17:00 – 17:55	Virtual Event at JCM
<a href="#">Prevent Static Ignitions in Production Operations</a>	225738	October 27 <sup>th</sup> , 16:00 – 16:55	Virtual Event at JCM