



IEEE Rochester Section

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November 2018 Newsletter

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Message From the Chair

Dear colleagues,

September has been an eventful month. Two of our members, Jiebo Luo and Cristian Linte received awards from the IEEE.

Cristian A. Linte received the Outstanding Teaching in an IEEE Area of Interest (University or College) award for *contributions to the biomedical engineering profession and to educating and training future generation of engineers, in particular, to the field of medical image computing, modeling, and visualization for computer-aided diagnosis and image-guided surgery.*

Jiebo Luo received the Technological Innovation (Academic) award for *contributions in computer vision and data mining.*

Eby Friedman received the 2018 Mark Van Valkenburg award from the Circuits and Systems Society for *technical leadership in high performance integrated circuit design.*

Our EXCOM meeting, this month, was well attended. In addition to our usual business, we celebrated IEEE day! There is activity in our various chapters with several speakers. Cristian Linte is organizing the JCM during April of next year and lining up speakers. Jean Kendrick conducted a seminar for elevating senior-members, because of which six applications have been submitted. Mark Schrader has arranged a trip to the Radio museum in Bloomfield (see below).

Last weekend I attended the MIT-IEEE undergraduate research conference that was sponsored by the Boston Section. It was very well attended - nationally as well as internationally.

How Radio Changed Society (Everything) - Lecture and Tour

What if there was no internet, no cell phones, no TV, no broadcast Radio? It would certainly not be life as we know it today. With limited communication, limited collaboration, and limited information sharing, our possibilities and opportunities would be pale in comparison to what they are today. The IEEE in partnership with the Antique Wireless Museum is offering an opportunity to see just how we got to where we are today, and a closeup look at the technological tools used on that journey.

We will meet at the Antique Wireless Museum on Saturday, Nov. 10th at 10:00 am, where it's Director, Bob Hobday, will present a 45-minute talk titled "How Radio Changed Society". This will be followed by a 1½ hour guided tour of the museum itself, allowing us to discover their rich collection of commercial, military, and amateur radio and video technology; which was used on each step of our journey. After the museum tour and for those who choose, we will go to a friendly neighborhood restaurant for lunch.

This is a rare opportunity to benefit from leadership and commitment of the Antique Wireless Association in preserving our wireless legacy. Register at <https://events.vtools.ieee.org/m/178764>; visit [the museum online](http://www.antiquewireless.org/) at <http://www.antiquewireless.org/>.

IEEE Rochester Section EXCOM Meeting

Our next EXCOM meeting is on Tuesday, November 6th 11:50 – 13:00 at Tandoor of India, 376 Jefferson Road. The buffet lunch is just \$5.00 for all members. We will review plans for upcoming Rochester meetings within our section, chapters, and groups. If you are looking to become more engaged in IEEE in the Rochester Section, please plan on attending this meeting. This meeting is open to IEEE members.

42nd IEEE EDS Activities in Western New York Conference

The 42nd IEEE EDS Activities in Western New York Conference will be held on Monday, November 5th, 2018 from 9 AM to 5 PM at the RIT University Gallery. The focus of this conference is to bring engineers and researchers together to share information on a wide variety of topics related to microelectronic and photonic devices and systems. The conference will be a joint event technically co-sponsored by the Electron Devices Society and the Photonics Society of the IEEE Rochester Chapter. This year we welcome invited guests from SEMI representing the global semiconductor electronics supply chain to discuss career opportunities during a student-centered workshop that precedes the technical agenda.

A continental breakfast begins at 8:30 AM, and the morning workshop begins at 9:00 AM. Lunch will be served at noon (**registration required**), and closing remarks will be at 4:30 PM. [Registration for the event](#) is required and is free of charge.

Conference Co-Chairs: Karl D. Hirschman, Electrical & Microelectronic Engineering, RIT (kdhemc@rit.edu) and Parsian K. Mohseni, Microsystems Engineering, RIT (pkmeen@rit.edu).

University of Rochester Student Chapter IEEE Day Celebration

About 30 members of the IEEE student chapter at the University of Rochester celebrated the 2018 IEEE day



IEEE Rochester Section Membership Information

We have met our membership recruiting goal for this year, in which two members have been elevated to life senior members, and 11 more have been elevated to senior members. Our section has 878 members: 52% are regular members, 13% are life members, 12% are senior members, 6% are student members, 9% are graduate student members, 4% are life senior members, 2% are fellows, and 1% are life fellows. (These do not add up to 100% due to rounding.)

IEEE Rochester Section Upcoming Events

For current information and registration links for these and other events, go to <http://sites.ieee.org/rochester/>

Event	When	Where
Laboratory for Laser Energetics Tour	October 26, 2018. 4:30 – 6:00 PM	Laboratory for Laser Energetics, 250 East River Road
Professional Networking – Biotechnology	November 1, 6:00 – 8:00 PM	NextCorps, 260 East Main Street, Suite 6000
42nd IEEE EDS Activities in Western New York 2018	November 5, 9:00 AM – 5:00 PM	University Gallery, James Booth Hall, Rochester Institute of Technology
EXCOM Meeting	November 6, 2018. 12:00 – 1:00 PM	Tandoor of India, 376 Jefferson Road
Graph Signal Processing: Distributed Graph Filters	November 7, 2018. 12:00 – 1:00 PM	Room 1400, Wegmans Hall, University of Rochester
Cache Side-Channel Attack and Defense on Mobile and IoT Devices	November 9, 2018. 11:00 – 12:30 PM	Room 3650, Golisano Hall, Rochester Institute of Technology
EXCOM Meeting	December 4, 2018. 12:00 – 1:00 PM	
Systems and Technologies for Remote Sensing Applications Through Unmanned Aerial Systems	February 25-27, 2019.	Rochester Institute of Technology
2019 Joint Chapters Meeting	April 9, 2019	Rochester Institute of Technology