



IEEE Rochester Section

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October 2018 Newsletter

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Message From the Chair

Dear colleagues,

August was a little slow but eventful. The idea of having an EXCOM meeting at RIT was not very successful. There were only a few attendees with only one person on Webex. We have decided, for now, to go back to Tandoor, till we figure out an alternate location that can host Webex as well has decent food and parking. Food seems to be very important for our membership as it appears that the IEEE runs on its stomach. We now have a Webex number dedicated to us.

Greg Gdowski and I attended the board of Governors meeting of Region 1 in White plains. Greg Gdowski threw in his name in the hat for Region I directorship. Two of our section members (whose names are withheld till they are notified) received awards.

The balloon festival was successful, though due to high winds there were no balloons. However, there were many other activities, both aerial and terrestrial. All the 100 tickets were taken. Many thanks to Bill Fowlkes for coordinating the procurement as well as dissemination of the tickets.



Sreeram Dhurjaty

IEEE Milestone Award

A small delegation from the Rochester NY section attended the dedication of the IEEE Milestone commemorating The French Transatlantic Telegraph Cable, 1898. The system represents a remarkable feat of electrical and oceanic engineering. For instance, the received signal was magnified by the "Heurtley Magnifier," which use thermal, magnetic, mechanical, and electrical technology. Today cable technology is vital for modern digital communications--well over 99% of international internet and telephone traffic is carried by fiber-optic submarine cables. Shown to the right is IEEE president James Jeffries unveiling the Milestone Plaque at the French Cable Station Museum in Orleans, Massachusetts. For more information about this milestone, see [https://ethw.org/Milestones:French Transatlantic Telegraph Cable of 1898](https://ethw.org/Milestones:French_Transatlantic_Telegraph_Cable_of_1898).



IEEE Rochester Section EXCOM Meeting

Our next EXCOM meeting is on Tuesday, October 2nd 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.

2018 Western New York Image and Signal Processing Workshop

IEEE Rochester Section is proud to announce that the 2018 Western New York Image and Signal Processing Workshop (WNYISPW) will be held October 5th, 2018 at the SLA (078) building at Rochester Institute of Technology. The WNYISPW is a venue for promoting image and signal processing research and for facilitating interaction between academic researchers, industry researchers, and students. The workshop comprises both oral and poster publications (IEEE Xplore and EI searchable).

Confirmed speakers include Simon Lucey (Carnegie-Mellon University)-- "How Do You Know What a Deep Network is Learning for a Vision Task?", Brad Palmer (NVIDIA)-- "End-to-end accelerated AI development", Linwei Wang (Rochester Institute of Technology)-- "Active Surrogate Modeling for Uncertainty Quantification in Personalized Models", Emily Prud'hommeaux (Boston University)-- "Strengthening and Connecting Communities with Automatic Speech Recognition", Richard Zanibbi (Rochester Institute of Technology)-- "Visual Search Engine for Math in Lecture Videos and LaTeX Notes", Chenliang Xu (University of Rochester)-- "Audio-Visual Scene Understanding", Zhengwu Zhang (University of Rochester)-- "Geometric modeling of Brain Structural Connectome", and Shounak Mitra, Balaji Sharma, and Tim Mathieu (Mathworks)--"Demystifying deep learning: a practical approach in MATLAB" (tutorial).

Workshop website: <http://ewh.ieee.org/r1/rochester/sp/WNYISPW2018.html>

Registration: https://meetings.vtools.ieee.org/meeting_registration/register/174741

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. The conference will include 4 invited talks and a student-contributed poster session. Lunch will be served. 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).

IEEE Rochester Section Upcoming Events

Save the date for the 2019 IEEE Rochester Section Joint Chapters Meeting - Tue, April 9, 2019, 4 PM.

<u>Event</u>	<u>When</u>	<u>Where</u>
EXCOM Meeting	October 2, 2018. 11:50 AM	Tandoor of India, 376 Jefferson Road
<u>21st annual Western New York Image and Signal Processing Workshop</u>	October 5, 2018. 8:30 AM – 5:30 PM	Rochester Institute of Technology Louise Slaughter Hall (Building SLA/078)
IEEE EDS Activities in Western New York Conference	November 5, 2018. 9:00 AM – 5:00 PM	University Gallery, Rochester Institute of Technology
<u>Systems and Technologies for Remote Sensing Applications Through Unmanned Aerial Systems</u>	February 25-27, 2019.	Rochester Institute of Technology
2019 Joint Chapters Meeting	April 9, 2019	Rochester Institute of Technology