



IEEE Rochester Section

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September 2018 Newsletter

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Message from the Chair

Dear colleagues,

There was no EXCOM meeting in July. We held the August EXCOM meeting at RIT.

Our section was approached by the IEEE power electronics society to sponsor an IEEE milestone to commemorate the Silicon Controlled Rectifier—the SCR. This three terminal device was invented at GE, in Clyde NY, which is part of the Rochester section. Once approved, the plaque for this milestone will reside in Clyde, NY, at the site where the SCR was invented. Stay tuned for more details about the milestone.

We decided to have the IEEE summer outing at the NYS Balloon festival in Danville, instead of Corning. This location is closer to Rochester than Corning and has fun-filled events. The proposed date for this event is September 1st. Stay tuned for details. We will be giving away 100 tickets to this festival, first come first served, to members and their guests.

The 2018 Western New York Image and Signal Processing Workshop, organized by Ray Ptucha and is sponsored by our section, will be held on October 5, 2018.

The STRATUS workshop will be held in 2019. Emmett Lentilucci is organizing this workshop.

We are planning to hold a meeting, time and place TBD, for information regarding elevation of members to Senior Members. Jean Kendrick will be presenting.

IEEE Rochester Section EXCOM Meeting

Our next EXCOM meeting is on Tuesday, September 11th 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.

Combination of Fuzzy Clustering Algorithms for Change Detection in Remote Sensing Images

Dr. Ashish Ghosh will discuss how to combine the output of fuzzy clustering algorithms to detect the changes in remote sensing images. To show the effectiveness of the proposed technique, experiments are conducted on three multispectral and multitemporal remote sensing images. Results are compared with those of existing stand-alone fuzzy clustering based algorithms and found to be superior. This will be August 29th, 3:30 PM, in RIT Building 76, Room 1125.

2018 Western New York Image and Signal Processing Workshop

The 21st annual Western New York Image and Signal Processing Workshop (WNYISPW) will be held on October 5th, 2018 at the SLA (078 – Louise Slaughter Hall) 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. Confirmed speakers include Simon Lucey (Carnegie-Mellon University), Brad Palmer (NVIDIA), Linwei Wang (Rochester Institute of Technology), Emily Prud'hommeaux (Boston University), and Richard Zanibbi (Rochester Institute of Technology).

Report: Machine Intelligence and Deep Learning

The Signal Processing Society Chapter sponsored a three-day workshop on Machine Intelligence and Deep Learning June 27-29. The event included lectures and hands-on construction of traditional and deep models. 15 registrants from Buffalo, Syracuse, Rochester, and Corning attended the event. IEEE members saved \$300 of the \$1200 registration, and professional engineers earned credit for 20 professional development hours.

STRATUS 2019

The **S**ystems and **T**echnologies for **R**emote Sensing **A**pplications **T**hrough **U**n manned **A**erial **S**ystems workshop is being planned now. It will be held February 25th through February 27th, 2019, at the Rochester Institute of Technology – save the date!

The call for papers, and registration procedures, will be available soon. The workshop topics include:

- Remote Sensing
- Analysis Techniques
- Imaging Systems
- Sensors
- 3-D and Multi-View Imaging
- Applications and Algorithms
- Platforms
- Technologies



IEEE Rochester 2019 Joint Chapters Meeting

The 2019 Joint Chapters meeting will be held April 2nd, 2019. Speaker solicitation is under way.

IEEE Rochester Section Upcoming Events

<u>Event</u>	<u>When</u>	<u>Where</u>
<u>EXCOM Meeting</u>	September 11, 2018. 11:50 AM	Tandoor of India, 376 Jefferson Road
<u>Fuzzy Clustering Algorithms</u>	August 29, 2018. 3:30 – 4:30 PM	RIT Building 76, Room 1125
<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)
Systems and Technologies for Remote Sensing Applications Through Unmanned Aerial Systems	February 25-27, 2019.	Rochester Institute of Technology
2019 Joint Chapters Meeting	April 2, 2019	Rochester Institute of Technology