



IEEE Rochester Section

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October 2019 Newsletter

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Message From the Chair

Dear colleagues,

Cristian Linte is working on the next JCM, to be held on December 9th. This is in lieu of the volunteer recognition meetings that were traditionally held at that time. We are looking at NEXTCORP as a possible venue.

I will be giving a keynote at the 2019 IEEE MIT Undergraduate Research Technology Conference (October 11-13, 2019). The talk is entitled *Morphing Smartphones into Rudimentary Medical Devices for Low- and Middle-Income Countries*.

I hope that all the IEEE members have cast their vote for the Region-elections. It is important to cast your votes in all IEEE elections. Since many of our members do not seem to vote, your vote, at <https://www.ieee.org/about/corporate/election/index.html>, makes a big difference.

Sreeram Dhurjaty

Western New York Image and Signal Processing Workshop

The Western New York Image and Signal Processing Workshop will be held on Friday, October 4th on the RIT campus in building 78 (Louise Slaughter Hall). The workshop, building off of 21 successful years of the Western New York Image Processing Workshop (WNYIPW), is sponsored by the Rochester chapter of the IEEE Signal Processing Society with technical cooperation from the Rochester chapter of the Society for Imaging Science and Technology. The keynote and invited speakers are David Doermann, University at Buffalo, *Deepfakes*, Andy Gallagher, Google, *Embracing Uncertainty*, Gonzalo Mateos, University of Rochester, *Graph Signal Processing*, Junsong Yuan, University at Buffalo, *Hand Sensing for Augmented Interaction*, and Rob Phipps, VisualDx, *Deep Learning for Medical Assistance*.

Mathworks will give a deep learning tutorial and will sponsor \$200 prizes for best poster and best paper. Go to <http://ewh.ieee.org/r1/rochester/sp/WNYISPW2019.html> for details. Register at: <https://events.vtools.ieee.org/m/200009>.

Section, Society, and Chapter News

Computer Society and Computational Intelligence Society: On August 30th, Dr. Vuk Marojevic gave a talk: *Are 4G/5G Networks Vulnerable to Radio Signaling Attacks?* in conjunction with the RIT senior seminar, with 9 IEEE members and 61 guests.

Geoscience and Remote Sensing Society Chapter: UAV STRATUS Conference 2020 will be held May 18-20, 2020, at the University of Buffalo. Planning is under way; the program committee has been formed. The website is being built at www.stratus-conference.com.

October EX-COM Meeting

Our next EXCOM meeting, of all the leaders of the Section, Chapters, and Groups, is on Tuesday, October 1st, 11:50 – 13:00, at Tandoor of India.

October EX-COM Meeting (continued)

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, or would like to network with fellow engineers over lunch, please attend this meeting. This meeting is open to all IEEE members, and all are welcome.

Membership News

The July 2019 Region 1 membership report is out, with sobering figures on Region 1 membership. Our total membership is 26,724 (3,026 student members, 23,698 higher-grade members). This is a 4% reduction from 2018. Worldwide membership is 371,017, down 1.1% from 2018.

Region 1 membership retention is at 81.5%: 22,353 members have renewed (1,211, or 41% students, and 21,142, or 84% higher-grade members).

2019 recruitment is 3,358 members, down 3.2% from 2018. This breaks down to 2,364 student members and 994 higher grade members.

Finally, in 2019 there have been 1,019 members reinstated in Region 1.

In our section, 648 higher grade and 56 student members have renewed, representing 82% renewal rate. We have 102 new members (last year we had 104 new members) and are 82% of the way to our goal of 125 new members. There are 851 active members vs. 859 in 2018, a change of -1%.

IEEE Day, October 1st, celebrates the first meeting of engineers and IEEE members back in 1884. The <https://ieeeday.org/> website is being created to provide volunteer with an "IEEE Day in a Box" planning kit.

In other news, IEEE has consolidated continuing education program listings onto one website: in.ieee.org. The website currently has 182 courses in Power and Energy Engineering, 89 courses about Emerging Technologies, such as cyber security, IoT (the Internet of Things), and artificial intelligence, and 65 courses about Telecommunications Engineering.

IEEE Rochester Section Events

For current information and registration links for our events, see <http://sites.ieee.org/rochester/>

<u>Event</u>	<u>Vtools #</u>	<u>When</u>	<u>Where</u>
EXCOM Meeting	203988	October 1 st , 11:50 – 13:00	Tandoor of India, 376 Jefferson Rd, Rochester, NY 14623
Western NY Image & Signal Processing Workshop	200009	October 4 th , 8:30 – 17:00	RIT Campus Building 78
EXCOM Meeting	203989	November 5 th , 11:50 – 13:00	(TBD)
EXCOM Meeting	203990	December 3 rd , 11:50 – 13:00	(TBD)
Joint Chapters Evening Meeting		December 9 th .	(TBD)
UAV STRATUS 2020 Conference		May 18-20, 2020	University of Buffalo stratus-conference.com