



IEEE Rochester Section

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December 2018 Newsletter

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Message From the Chair

Dear colleagues,

November was another busy month.

I chaired a session at the MIT-IEEE undergraduate conference, during the early part of the month. Several undergraduates, from all over the world, and high school students presented papers on various topics. During the latter part of the month, I was at the IEEE global humanitarian technology conference in San Jose. I encourage our members as well as others to check out the activities of IEEE GHTC, particularly SIGHT, which is a special interest group on humanitarian technologies. You do not need to be an IEEE member to join SIGHT.

Cristian Linte has been busy organizing the JCM for next year and he is looking for speakers for the event.

Our section has been doing well with workshops and speakers for chapter meetings. We have been recognized by IEEE for increasing our membership during last year. Kudos to the leadership of Greg Gdowski and the previous slate of officers.

Jean Kendrick gave a talk about elevating our members to Senior Membership and we have at least three applications in the works. Many of our members are deserving of elevation to Senior Membership and I urge everyone to check out the requirements to see if they qualify.

IEEE Stratus 2019

The IEEE Stratus 2019 Workshop is sponsored by GRSS. It will be February 25-27, 2019, in the Louise Slaughter Hall of the Rochester Institute of Technology campus. Registration and paper submission is open.

The keynote speaker is Dr. Sally Rockey, Executive Director of the Foundation for Food and Agriculture Research. Chris Durell of Labsphere will give an "Introduction to UAV Radiometry and Reflectance" tutorial. Angad Singh of Pix4D will give a tutorial on "UAS-Focused Photogrammetry and Mapping with Pix4D." And Dr. Brent Bartlett of BeamIO will give a tutorial on "Creating Automated Processing Workflows for Multi-Band UAS Data Using the Algorithm Toolkit."

For details, please visit <http://ewh.ieee.org/r1/rochester/grss/STRATUS2019>

We have additional sponsorship from the University at Buffalo, Cornell University, SUNY Environmental Science and Forestry, Rochester Institute of Technology, Hobart William Smith Colleges, Harris Corp., Beam IO, and Eagle Hawk.

IEEE Rochester Section EXCOM Meeting

Our next EXCOM meeting is on Tuesday, December 4th 11:50 – 13:00. 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. The EXCOM meetings are also great opportunities for networking with fellow engineers over lunch. This meeting is open to IEEE members, and all are welcome.

Antique Wireless Museum Tour

We had an attendance of 12 people, and we heard a presentation by the Museum's Director, Bob Hobday, on *How Radio Changed Society*. Afterward, we had a guided tour, lasting over one and a half hours, given by several of the museum's collection experts. They discussed the history and technology of receivers and transmitters used in telegraphy, voice, broadcast, military, TV, and amateur radio. The museum has some of the rarest and earliest radio devices on record. Several of us went out to lunch afterwards.

The pictures show, from left to right, the Voice of America station, a telegraph office, a reproduction of the Titanic radio room, amateur radios, and the Pioneers of Wireless wall.



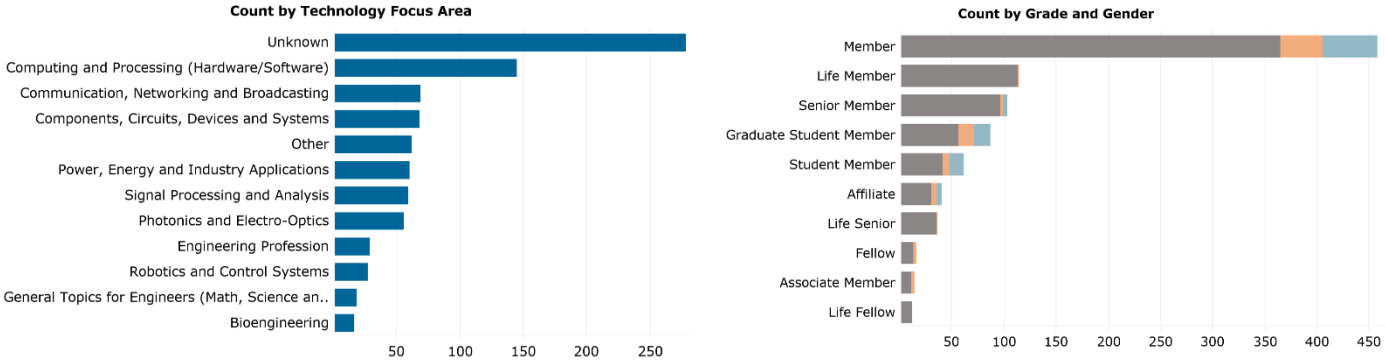
IEEE Day Redux

The Rochester Section Executive Committee appropriately celebrated IEEE Day at the October 2nd, 2018 EXCOM meeting.



IEEE Rochester Section Membership Update

In 2014 there were 73 Senior Members, elevated over a 21-year period dating back to 1992. And since 2014, we have elevated 66 Senior members – a 90% increase in five years; we currently have 139 Senior members. The figures show the breakdown in technology focus and grade and gender (where orange is female, grey is male, and blue is unknown).



IEEE Rochester Section Upcoming Events

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

<u>Event</u>	<u>When</u>	<u>Where</u>
<u>EXCOM Meeting</u>	December 4, 2018. 12:00 – 1:00 PM	Location TBD
<u>EXCOM Meeting</u>	January 8, 2019. 12:00 – 1:00 PM	Location TBD
<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