



# IEEE Rochester Section

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December 2017

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## Report from the Chair

Dear colleagues,

It is hard to believe how fast 4 years have passed! It has been a privilege to have served as the Section Chair for the Rochester IEEE Section since 2014. Over the last 4 years, we have revamped our webpages and newsletters, have had numerous great events, while managing to still reduce our operational expenses. These efforts helped us to stabilize our membership numbers and in most cases, we have either met or exceeded Region 1 recruitment and retention goals for the Section. All of these achievements will help to ensure that the Section remains healthy and productive for its members well into the future.

This was only possible by working with remarkable teams including Dave Krispinsky, Andreas Savakis, and Matthew Sidley as Vice Chairs, Bill Fowlkes and Dennis Thompson as Treasurers and Ray Ptucha as Secretary. I must also thank the CMTI Coordinator, Judy Principe, for all of her effort in helping me orchestrate meetings. In addition, I have also worked with numerous individuals from all of the Chapters, Groups, and Committees within the Section. The list of these folks would be too long to even include here. Without them, the Section would not be where it is today. For me personally, it is the people I have met and those that I have worked with that have made my journey as Chair so enjoyable.

Next month, we will be introducing the new Rochester Section Officers. If you have not voted yet, please vote at <https://voting.vtools.ieee.org>. I wish the next Section Officers the best in taking us to new levels of success! I have the upmost confidence that the Section will be in good hands, and I know their journey will take them down paths that will be as rewarding for them as they were for me.

Best regards,

*Greg Gdowski*

## Rochester IEEE welcomes two new members

Carolyn Ellinger, and David Peters.

**Graduate student members:** Meenakshy Iyer, Hanxiao Liang, Akram Marseet, Abhishek Singh.

**Student members:** Adam Bowersox, Thomas Cenova, Robert Ricobernal, Liam Smith.

**Elevated to Senior Member:** Bo Yuan and Cristian Linte.

**Elevated to Life status in 2018:** Agrawal Govind, Peter Burns, Steve Constantinides, Jorge Diaz-Herrera, Roger Easton, John Foster, David Munson, Sanford Rockowitz, Thomas Schlegel, Raymond Shear, Lyle Tague, Timothy Witcher, and Eric Zeise.

**Since 2014, 42 Rochester members have been elevated to Senior Members.**

IEEE Grade Description	Members
Associate	13
Fellow	16
Graduate Student	91
Life Fellow	12
Life Member	105
Life Senior	39
Member	486
Senior Member	93
Student Member	42
	<b>897</b>



The second workshop related to unmanned aerial systems (UAS) was held in the Louise Slaughter Hall on the RIT campus, on October 19-20, 2017. The aim of the Systems and Technologies for Remote Sensing Applications Through Unmanned Aerial Systems or STRATUS workshop was to facilitate interaction between academic researchers, industry researchers, and students working in the field of remote sensing utilizing unmanned aerial systems. Since this is an emerging field, the goal of the workshop was not to define technical requirements, standards or legal policy, but rather to illustrate the specific connection between remote sensing and unmanned aerial platforms at both the commercial and academic levels. The event was sponsored by IEEE, GRSS, RIT, DIRS, Labsphere, Headwall Photonics, gapwireless and Skyop.

There were 81 people registered for the workshop consisting of students, faculty, and 23 individuals from industry. Companies such as Harris, Spectral Sciences, Headwall photonics, Skyop, Unmanned Experts, Oak Ridge National Labs, USGS, Eagle Hawk, and even the FAA were represented. In total, we had 21 companies along with folks from seven universities present. Given these numbers, we reached capacity and closed registration prior to the event.



There were 12 oral presentations along with two keynote speakers, one from industry (i.e., Charles Mondello from the Property Drone Consortium) and one from RIT Venture Creations given by Richard Notargiacomo. Time was set aside for a Networking Lunch Activity which allowed individuals to introduce themselves to others in the audience. One day prior to the workshop (Oct 19<sup>th</sup>), we had a full day of UAV-related tutorials given by Labsphere (UAV Radiometry and Calibration) and Pix4D (Photogrammetry and Mapping), both of which were sold out.

The workshop was made possible, in part, by a \$2,700 IEEE Geoscience and Remote Sensing Society (GRSS) award won by RIT Research Professor, and general workshop chair, Emmett Ientilucci. The award allowed for low registration fees for non-students while waiving registration fees for students. The workshop also received the technical co-sponsorship of the IEEE GRS Society which enabled hosting the event on the IEEE GRSS website and advertisement in the GRSS Magazine.

It is our intention is to grow this regional UAS/RIT workshop into a multi-day conference which would include tutorials, presentations, posters, networking opportunities and hands-on experiences/demos.



On October 25, 2017, the Rochester TEMS Chapter hosted a talk presented by Dr. Gerard E. Fisher and Jonathan Rosenfeld of Innovating.com. The title of the presentation was "ARE YOU AN INNOVATOR? DO YOU KNOW WHAT TYPE OF INNOVATORS ARE ON YOUR TEAM? COME FIND OUT!" Innovating.com is an offshoot from IDEA CONNECTION SYSTEMS, INC. (ICS) founded by Robert Rosenfeld, former head of Office of Innovation at Eastman Kodak. The talk introduced the on-line software tool

"Innovation Strengths Preference Indicator" (ISPI) developed over years at ICS. From responses to a 50-question on-line survey, the software uncover invisible traits that impact Innovation teams and give analysis of how the respondent would fit in the team comprising of individuals with different innovation skills. The ISPI "test" and analyses offer help to marshal individual's participation and contribution to an innovation team by uncovering these traits and talents.



### **NEXT Rochester Section EXCOM Meeting – December 5, 2017 @ 11:45 - 13:00**

**Location: Jade Garden Buffet in South Town Plaza 3333 W. Henrietta Rd, Henrietta, New York.**

**Please visit our website to see more upcoming events! <https://meetings.vtools.ieee.org/m/44009>**