



# IEEE Rochester Section

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March 2024 Newsletter

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## Message from the Chair



Dear Colleagues,

Our Executive Committee (ExCom) meets monthly to plan events. Our next ExCom meeting will be on Tuesday, April 2<sup>nd</sup> from noon to 1:30 pm. An invitation will be distributed via e-mail. All IEEE members are invited to attend our ExCom meeting and help us find new ways to serve our local IEEE members as well as the broader Western New York technical community. Please feel free to register for in-person or virtual attendance at our next ExCom meeting using the link: <https://events.vtools.ieee.org/m/406208>.

The 2024 IEEE Systems and Technologies for Remote Sensing Applications Through Unmanned Aerial Systems (STRAUS) conference will be held May 20-22, 2024 at SUNY College of Environmental Science and Forestry, Syracuse NY. For more information, please visit [www.stratus-conference.com](http://www.stratus-conference.com).

I look forward to working with you!

Regards,

Kelly Robinson, PE, PhD  
Chair, IEEE Rochester Section

## IEEE GRSS STRATUS UAV Conference May 20-22, 2024

Dr. Emmett J. Lentilucci, Region 1 Area Chair and Vice-Chair of the Rochester section, is a principal organizer of the Geoscience Remote Sensing Society 2024 STRATUS UAV Conference.

STRATUS is an in-person conference that brings together academics, industry representatives, and domain specialists to share perspectives on this rapidly evolving field of a wide range of topics. Since its inception in 2016, STRATUS

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went from a one-day to a two-day to what is currently a three-day conference. Based on the feedback from previous attendees, the conference has been expanded to reach people beyond the original scope of a Western New York audience.

What sets the non-profit STRATUS 2024 Conference apart from other specialized or larger UAS meetings are the important interdisciplinary topics ranging from the latest challenges in UAV platform design and technology to sensor design, information gathering and processing, and modeling to produce data that support decision-making. Applications are focused on Upstate NY, Finger Lakes, and Lake Ontario Regions and include the following:

- Environmental Mapping, Monitoring and Modelling
- Remote Sensing
- 3D and Multi-view Imaging
- Platforms, Calibration, Sensor, and Imaging Systems
- Multi-sensor Data Fusion
- Technologies and Applications
- Algorithm and Image Processing
- Photogrammetry
- Policy, Public Perception and Privacy Issues
- K-12 Education

The 2024 IEEE GRSS STRATUS UAV Conference is now accepting abstracts for talks. You are invited to review the call for abstracts at: <https://stratus-conference.com/call-for-abstracts>.

In the future look for registration at: <https://events.vtools.ieee.org/m/403032>.

### **Imaging Spectrometry XXVII: Application, Sensors, & Processing**

Dr. Emmett J. Ientilucci is co-Chair of this aligned SPIE conference (OP423). Members interested in the STRAUS conference may also want to attend or present at this conference. Please visit the following for more information about the topics covered by this conference and to see the Call for Abstracts:

<https://spie.org/opo/conferencedetails/imaging-spectrometry-spectrometry>

### **The Rochester Section Supports STEM Education and TRFSEF**

The Terra Rochester Finger Lakes Science & Engineering Fair (TRFSEF) is the regional fair open to any student in our 9-county region, grades 6 to 12 with an adult sponsor and no previous competition required.

At the fair, students present original research in either science or engineering, or a topic presentation on a subject of their choice.



Our goal is to encourage an interest in STEM, while providing an even playing field for students across the region, regardless of district, funding, or resources. We hope the positive experience students have through their projects and the Fair will encourage them to explore the possibility of STEM career.

## Share your love of Engineering or Science on March 23, 2024!

### Be a judge or a volunteer at the Terra Rochester Finger Lakes Science & Engineering Fair!



Judging is not complex! Just three simple questions:

- What did you do?
- What did you learn?
- What do you want to do next?

Then you meet with fellow judges to choose projects for various honors and awards.

**We need judges in many different fields.**

We welcome anyone working or studying in STEM: Undergraduate and graduate students, teachers, professors, trade professionals, scientists, engineers, etc.

For more info and to sign up go to the Judge's Page at:

<https://ny-trfsef.zfairs.com>