



# IEEE Rochester Section

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February 2023 Newsletter

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## Message from the Chair



Dear Colleagues,

There is big news from the IEEE Members & Geographic Activity (MGA) Board that governs IEEE worldwide. IEEE is reorganizing its 10 geographic regions due to membership growth in Region 10 (Asia & Pacific). Also, Regions 1 and 2 (Northeastern and Eastern US) will merge into a single Region when Region 10 splits. This process will happen gradually over the next several years and will have little direct impact at the local level. However, the merger provides the Rochester Section with better opportunity to host a Regional IEEE meeting since Rochester will be in a more central location in the merged Region 1+2.

The triennial [IEEE Sections Congress](#) that was delayed by the COVID19 pandemic will take place in Ottawa Canada from August 11-13, 2023. This is the largest leadership, training, and networking event organized by IEEE MGA that brings IEEE volunteers from all over the world together in one location.

The next Rochester Section ExCom meeting will be on Tuesday, March 7, from noon to 1 pm (vTools #342657). Please pre-register on vTools.

Stay healthy, and best regards,

## IEEE Rochester Section Awards and Volunteer Recognition Dinner

These photos are from the IEEE Rochester Section Recognition Dinner from 12/15/22.



The dinner, which was attended by 25 members plus guests celebrated our 2022 successes:

- The IEEE Fellow Prof. Santosh Kurinec, who was honored with the 2022 IEEE William Terry Distinguished Service Award
- The IEEE Digital Camera Milestone Committee
- The IEEE Society Chapter and Affinity Group Volunteers
- The 2022 IEEE Student Scholarship Winners, and the RIT & UR Student Chapter Officers

### Recording, Producing, and Rendering Binaural 3D Audio for Virtual Reality

On 12/27 Ming-Lun Lee, Associate Professor of Electrical and Computer Engineering (ECE) with teaching and research experience in both electrical engineering and musicology introduced different methods for recording or creating binaural audio for VR using binaural and ambisonic microphones or 360/3D VR cameras, to record live concerts at the Eastman School of Music and other venues. He also discussed creating a spatial audio database for research and methods for measuring the binaural impulse response of acoustic environments, and their use in VR testing.

### Call For Judges: Terra Rochester Finger Lakes Science & Engineering Fair

We support several programs to encourage students who are interested in science and math. One program is the Terra Rochester Finger Lakes Science & Engineering Fair. The fair will be held on March 18 at the Rochester Museum and Science Center. If you know of high school or middle school students who might be interested participating do encourage them to sign up. Also, please consider volunteering as a judge for fair day Saturday 3/18. There is no experience necessary. For more information and to sign up as a judge, see the fair web site: <https://terrafairs.org/trfsef.html> or contact Mark Schrader at [m.schrader@ieee.org](mailto:m.schrader@ieee.org) with any questions.

### Young Professionals: December Rochester Section Bills Tailgate

The Young Professionals organized a Tailgate for the 12/11 Bills vs NY Jets game. The event was fun and presented some logistical challenges.

We will plan another tailgate event for the 2023-'24 football season.



### IEEE Upcoming Events for 2023

- February 26 – Region 1 & Region 2 Student Hackathon will be held at the University of Rochester and will be focused on 3D printing.
- April 13-14 – The University of Maine will host the IEEE Regions 1 & 2 Student Conference.
- Planned Technical Meetings – 1. Rochester Contributions to Space Technologies TBD early March at the Rochester Museum and Science Center. 2. Rochester Section Joint Chapters Meeting (JCM) TBD March or early April.