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May 2022 Newsletter

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Message from the Chair



Dear Colleagues,

IEEE Region 1 held a half-day virtual Board of Governors meeting on April 10th. The meeting touched on various efforts at the Region level to promote professional development, Young Professionals, and Women In Engineering (WIE). Region 1 created its own Professional Activities Committee for Engineers (PACE) to financially support section-sponsored professional development, soft skills training, or pre-college activities. RES member organizations interested in co-sponsoring these events should contact me to further discuss the opportunity. Additionally, a short training session on running effective meetings under Robert's Rules of Order was recorded that may interest RES members. Recordings of the meeting and training sessions are available on the Region 1 website (r1.ieee.org).

This year's installment of the Geoscience and Remote Sensing Society (GRSS) STRATUS Conference will be held May 23-25 at SUNY ESF in Syracuse. More information is available on the conference website, stratus-conference.com

Our next ExCom meeting will be on June 7 from noon to 1 pm. Please register in advance at <https://events.vtools.ieee.org/m/311467> (vTools #311467). In-person attendance details will be updated on the registration page.

Stay healthy and best regards,

TRFSEF Finalists & Awards

Terra Rochester Finger Lakes Regional Science and Engineering Fair

A wide range of projects from 77 students representing 20 schools and homeschools were recognized on April 2 at the virtual Terra Awards Ceremony. The highest awards are shown below.

- Advancement to Regeneron International Science & Engineering Fair: Nishant Lahiri (gr. 11) of Corning for *Polyethyleneimine Impregnated Cellulose Absorbents for Integrative Carbon Dioxide Capture*
- Competing in the NYS Science Congress: Madeleine Cotter (gr 12) of Rochester for *Training Artificial Intelligence Agents in Game Environments*

- Competing in the Genius Olympiad: (Two Projects)
 1. Micah Kim (gr. 11) of Rochester for *Smart Safety Wearables*
 2. Sean Markidis & Rowan Nordquist (gr 11) of Rochester for *A Look at Rochester's Water Quality*
- Competing in Broadcom Masters: Marielys Veliz (gr. 7) of Rochester for *My Travel Gravity Shower*
- Earning the St John Fisher College Scholarship for a free course: Amy Feng (gr. 12) of Pittsford for *Extending Choice Probability to High Dimensional Neural Data*

A variety of Special Awards recognizing unique aspects of projects were also presented to 11 other projects. To see all projects, go to <https://ny-trfsef.zfairs.com>, Select "Fair" & "Showcase" & use keyword FairDay.

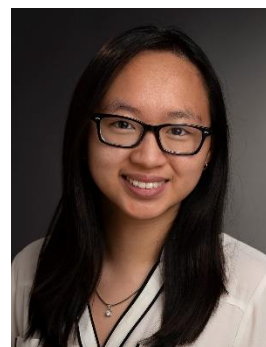


Announcing The IEEE Scholarship Finalists

Congratulations to the 2022 winners of the two \$1,500 RES-IEEE Scholarships: Anand Idris, who is studying Computer Science and Optics at the University of Rochester, and Christina Nguyen, who is studying Electrical Engineering at the Rochester Institute of Technology.



Anand Idris



Christina Nguyen

STRATUS Conference, May 23-25, Syracuse, NY

There will be more than 45 talks on UAVs and Remote Sensing. Conference sponsorship is available. See the website: Stratus-Conference.com for more information and for registration.

Joint Conference on Electrostatics, Sunday June 12 <http://electrostatics.org/jointconferenceonelectrostatics.html>

The IEEE Rochester Section Power and Energy Society and Industry Applications Society Joint Chapter hosts the virtual attendance. The cost is \$25 for virtual attendance for all three tutorials.

Gas Discharge and Electrical Breakdown presented by: Prof. Akira Mizuno, Toyohashi University of Technology, & Prof. Shesha Jayaram, University of Waterloo

Electrostatic Instruments and Measurements presented by: Prof. Mark Horenstein, Boston University, & Prof. Maciej Noras, University of North Carolina at Charlotte

Electrostatic Processes presented by: Dr. Kelly Robinson, Electrostatic Answers, Rochester NY.