



# IEEE Rochester Section

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June 2022 Newsletter

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## Message from the Chair

Dear Colleagues,

Thanks to the Rochester Section Milestone Committee (Bill Fowlkes, Sreeram Dhurjaty, Mark Schrader), Kelly Robinson, and everyone else who made the Digital Camera Milestone and JCM a great success. See below for more details.

Congratulations Emmett Lentilucci, our Section Geoscience and Remote Sensing Society (GRSS) Chair, on receiving tenure and a promotion to Associate Professor at RIT. Emmett is one of the primary driving forces behind the very successful annual STRATUS Conference that was held May 23-25 at SUNY ESF in Syracuse. Look for our report on the Conference in the August Newsletter.

The next ExCom meeting will be Tuesday, August 2, from noon to 1 pm (vTools #311468). In-person attendance details are available on the vTools registration page. Stay healthy and best regards,



## Digital Camera IEEE Milestone Ceremony & Joint Chapters Meeting

The dedication ceremony for the permanent IEEE Milestone Plaque at the Kodak Center on Ridge Road on April 26 was hosted by Dr. Eric Brown, the Chair of the IEEE Rochester Section. Other distinguished speakers at the event were Professor Greg Gdowski, IEEE Region One Director, Ken Parulski of aKAP Innovation, and Terry R. Taber, PhD, CTO of the Eastman Kodak Company who was given honor of revealing the plaque to the attendees and to the world.

The inscription on the plaque reads: *A self-contained portable digital camera was invented at an Eastman Kodak Company laboratory. It used movie camera optics, a charge-coupled device as an electronic light sensor, a temporary buffer of random-access memory, and image storage on a digital cassette. Subsequent commercial digital cameras using flash memory storage revolutionized how images are captured, processed, and shared, creating opportunities in commerce, education, and global communications.*





The Joint Chapters Meeting was organized by Kelly Robinson, PhD, Rochester Section Vice-Chair. This technical meeting, which took place after the Milestone, consisted of 2 intervals of 3 parallel technical talks. Our thanks to the presenters: Kelly Robinson, PhD, Professor Jenny Zheng, Ken Parulski, Dr. Aaron Grace, Chung Hui Kuo, PhD, and Ram Dhurjaty, PhD. The talks were followed by a social reception and a dinner with a keynote speaker. Terry Taber PhD, CTO of Kodak was the Keynote speaker who spoke about Kodak's current digital innovations including MEMS printhead inventions for very high-speed ink jet printing. As a thank-you gift Terry was presented with a framed photograph of the Andromeda Galaxy taken by Patrick Cosgrove, a local astrophotographer and former Kodak employee. The following is the link to the Andromeda Galaxy image: <https://cosgrovescosmos.com/projects/m31-lhargb>

## IEEE RIT Student Chapter Lights Up Imagine RIT

"Being able to see the future generation excited about electronics is great feeling and being able to facilitate that excitement is absolutely wonderful" said Cameron Villone who had the initial idea for their IEEE interactive booth at Imagine RIT. Visitors to the booth made drawings and then added LEDs and circuits using copper tape for conductors to create illuminated features such as eyes. Cameron also led the project for the creation of the booth.

Christina Nguyen – "It was great to see people from all age groups come together and be creative. We student exhibitors were glad to teach the basics of circuits and light up our guests' drawings."

Thanks to Jean Kendrick for her assistance reporting this event.



## PES & IAS Joint Conference on Electrostatics, Sunday June 12

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.

Please see: <http://electrostatics.org/jointconferenceonelectrostatics.html> for details