



IEEE Rochester Section

*Serving Rochester Engineers
for over 100 years*

Join us for the IEEE Rochester Section Joint Chapter Meeting on April 9th, 2019 at RIT!

Don't miss this great opportunity to meet and network with people from all engineering disciplines and to learn about the different IEEE chapters and societies in the Rochester area.

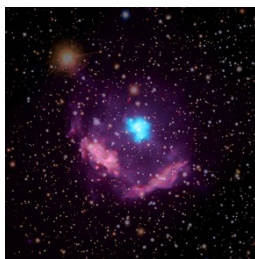
The technical sessions are free to attend for IEEE members. **Reservations are required to attend the dinner and keynote presentation!**



Keynote Presentation

This year we are honored to host Dr. Jon Kriegel – RES Director, Volunteer Coordinator, and 2 times past president – as our keynote speaker for the 2019 IEEE Rochester Joint Chapters Meeting.

THE CHANDRA X-RAY OBSERVATORY



90% of the Matter in the Universe, we cannot see ... until NOW! The third in NASA's Series called *The Great Observatories*, images with X-Rays have revealed some of the unseen matter! This talk will expose the audience to the intended uses for this satellite telescope, and its place in the evolution of our knowledge of the Universe. Launched in July of 1999, The Chandra Telescope is being used to study the X-Ray properties of distant Galaxies, neutron stars, black holes, quasars, and other high-energy sources. X-Rays are absorbed by the Earth's atmosphere, so our only knowledge of cosmic X-Ray sources, comes from previous satellites like the High Energy Astronomy Observatory (HEAO-2), also known as the Einstein Observatory: launched in the 1970's. We will show several images returned by this Telescope, which represent a 100 X improvement over our previous imaging and information gathering capability, in these very significant, high-energy wave-lengths.

REGISTER NOW!

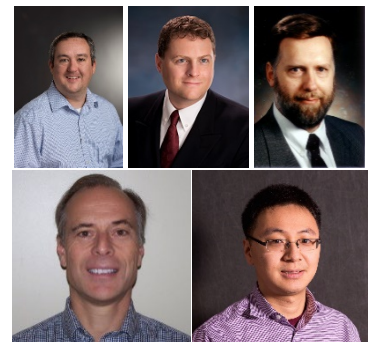
Contact: clinte@mail.rit.edu

Event Link: <https://events.vtools.ieee.org/m/190998>



Technical Presentations

Here will be two sessions of three presentations each. You are not required to register for the technical presentations (*attendance is free*). However, we kindly ask that you visit the event notice and register for each technical presentation you plan to attend.



Technical Presentations Program

Session I 4:30 - 5:25 PM

A: Cache Side-Channel Attack and Defense on Mobile and IoT Devices, by *Ziming Zhao, RIT* (SLA 2120)

B: Model-based elasticity imaging for abdominal aortic aneurysm modeling, by *Michael Richards, RIT* (SLA 2130)

Session II 5:30 - 6:25 PM

A: The case for Software Defined Radio (SDR) in Industrial IoT, by *Aaron Roof, Vanteon* (SLA 2120)

B: 1500 – That's a lot of STEM Volunteers, by *Jon Kriegel, STEM Bridges & RES* (SLA 2130)

C: Achieving Optimal EMC-best practices for Printed Circuit Board Component Selection, Stack-up, Trace Routing, and Signal Return Path Management, by *Jim Herrmann, Applied Logix* (SLA 2140)

🕒 DATE AND TIME

Tue, April 9th, 2019

4:00 – 9:00 PM

📍 LOCATION

Louise Slaughter Hall

78 Rochester Institute of Technology

Rochester, New York

United States 14623

Building: RIT Center for Integrated Manufacturing Studies Conference Center

Room Number: Building 78