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2024 IEEE EPS / EDS MHV CHAPTER MINI-COLLOQUIUM: SEMICONDUCTOR TECHNOLOGY EVOLUTION

The IEEE EDS/EPS MHV Chapter are excited to announce the **upcoming Mini-Colloquium (MQ) 2024 on Semiconductor Technology Evolution**, taking place at **CBIS Auditorium, RPI campus on March 29th, 2024**.

We extend a warm invitation for you to join us at this insightful event:

- Date and Time: March 29, 2024, from 8 am – 13:30 pm
- Venue: CBIS Auditorium, Rensselaer Polytechnic Institute (RPI), Troy, NY
- A half-day program co-sponsored by IEEE EPS and EDS Mid-Hudson Valley Chapters, RPI, and IBM
- In-person event featuring speakers from the semiconductor and packaging industry, catering to students from RPI and neighboring universities
- Technical talks of 30 minutes, with an additional 5 minutes for Q&A
- Informal lunch session post-MQ for networking opportunities with speakers

The event is open to ALL! No IEEE membership required to register. Registration is mandatory to attend.

This occasion presents a unique chance to gain insights from industry experts, delve into topical issues, and explore potential career opportunities.

In addition to the main event, we are excited at the prospect of IEEE EPS student chapter at RPI. Mark Poliks, Director of Student Programs, IEEE EPS, will provide valuable insights into the benefits and resources available to chapter members.

Date and Time

Date: **29 Mar 2024**

Time: **08:00 AM to 01:30 PM**

All times are (UTC-05:00) Eastern Time (US & Canada)



Add Event to Calendar



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Location

Rensselaer Polytechnic Institute

110 8th St

Troy, NY , New York

United States 12180

Building: Center for Biotechnology and Interdisciplinary Studies (CBIS)

Room Number: Howard P. Isermann (CBIS) Auditorium

[Click here for Map](#)



Hosts

[Mid-Hudson Section Chapter, EP21](#)
[Mid-Hudson Section Chapter, ED15](#)

[Contact Event Hosts](#)

Co-sponsored by Rensselaer Polytechnic Institute

Registration

Starts **05 March 2024 12:01 AM**

Ends **27 March 2024 11:59 PM**

All times are (UTC-05:00) Eastern Time (US & Canada)

No Admission Charge

[Register Now](#)

Speakers

Fernando Guarin

Topic: 75th year anniversary of transistor

Ram Achar

Topic: Fundamentals and Recent Advances in Signal Integrity Methods in High-Speed Designs

Mukta Farooq

Topic: Heterogeneous Integration for AI Architectures

Scott Sikorski

Topic: An Overview of US government Investment Programs in Advanced Packaging

Mark Poliks

Topic: IEEE student chapter membership

Agenda

Time	Agenda	
0800 – 0830		Registration – coffee, tea, breakfast foods will be available
0830 – 0845		Opening remarks from Mid-Hudson Valley Chair (Mukta Farooq). Chapter background followed by colloquium insights.
0845 – 0900		RPI (Hosts): Welcome remarks by Shekar Garde, Dean of Engineering and the Elaine S. and Jack S. Parker Chaired Professor and and Robert Hull, Vice President for Research, Henry Burlage Jr. Professor of Engineering, and Director of Center for Materials, Devices, and Integrated Systems, RPI.
0900 – 0935		Speaker 1: Fernando Guarin IEEE Lifetime Fellow, former EDS President and Distinguished Member of Staff at GlobalFoundries, and EDS Distinguished Lecturer. Title: 75th year anniversary of transistor
0940 – 1015		Speaker 2: Ram Achar , Professor, Department of Electronics Engineering at Carleton University, Canada, and EDS Distinguished Lecturer Title: Fundamentals and Recent Advances in Signal Integrity Methods in High-Speed Designs
1015 – 1045		Break / Networking session
1045 – 1120		Speaker 3: Mukta Farooq , Distinguished Research Scientist - IBM Research, IEEE Fellow, EDS Distinguished Lecturer Title: Heterogeneous Integration for AI Architectures
1125 – 1200		Speaker 4: Scott Sikorski Global Business Development Leader, IBM's Advanced Packaging, Heterogeneous Integration and Chiplet Technology Portfolio Title: An Overview of US government Investment Programs in Advanced Packaging
1200 – 1230		Speaker 5: Mark Poliks Distinguished Professor of Materials Science and Engineering and Systems Science and Industrial Engineering at the Thomas J. Watson College of Engineering and Applied Science, Binghamton University Title: IEEE student chapter membership
1230 – 1330		Lunch with speakers and organizers
1400 – 1500		Optional tour of RPI cleanroom