

**IEEE Boston Reliability Chapter** 

A Joint Chapter with New Hampshire and Providence http://www.ieee.org/bostonrel

# **AdCom Meeting Agenda**

Wednesday, June 5th, 2024

6:00-7:30 PM

Zoom

# PLEASE NOTE NEW Meeting Link:

https://us06web.zoom.us/j/83839280573?pwd=f8kfaYzZ94zVhUYQG0Zy5KHRpR801T.1

Meeting ID: 838 3928 0573

#### Passcode: 383263

#### Additional meeting information including call-in numbers

# and the call-in passcode can be found at the end of the agenda.

- 1. Call to Order
- 2. Opening Remarks
- 3. Officer Reports
  - a) Secretary
    - i. AdCom Meeting Minutes
  - b) Treasurer
    - i. Awards
    - ii. Financials
  - c) Vice Chair
    - i. Technical Meeting Schedule
    - ii. Potential Technical Meeting Presentations
    - iii. Newsletter
  - d) Chair Report
    - i. Recent Technical Meeting Attendance
      - 1) Joint IEEE Boston Reliability/Boston SMTA/iMAPS: Presentation & Tour, Tuesday 23-April-2024
        - a. Location:

# **Advanced MicroAnalytical**

IEEE Boston Reliability Chapter AdCom Agenda – Wednesday, 05-June-2024

**50A Northwestern Drive** 

Salem, New Hampshire

United States 03079

**Building: Unit #4** 

**b.** Attendance:

**IEEE Attended: 4** 

**Guests Attended: 25** 

- ii. Upcoming Technical Meeting Registration
  - 1) Adam Bahret, 12-JUN-2024, ASMPT NEXX, 900 Middlesex Turnpike, Billerica, MA 01821.
    - a. 20240603 2205: 9 virtual; 5 in-person
    - b. Jay will not be attending. We need to make other arrangements for pizza, salad, & soda.
  - 2) Ethan Cascio, 26-JUN-2024 at Lincoln Laboratory Main Cafeteria
    - a. Registration opened 20240603
- e) Old Business
  - i. MIT Lincoln Laboratory Appreciation / Thank You Plaque and Presentation
  - ii. Proposed creation of IEEE Boston Reliability Chapter brochure
  - iii. Targeting the Younger Demographic Facebook, Instagram, Twitter
  - iv. Website Status
    - i. New Chapter Chairs Handbook (in development)
    - ii. Distinguished Speakers: Societies pay for airfare, chapters pay for hotels and expenses
    - iii. Section is developing a list of possible venues.
    - iv. Zoom licenses for clusters (we have one now).
    - v. From 2015, Boston section has Constant Contact for email; can combine IEEE and non- emails in lists. These can go to entire section or go specifically to chapter. (Bob Alongi to let Jay know about this.)
    - vi. VTools calendar feeds to IEEE app.
    - vii.Section Volunteer awards
    - viii.Discussion on CEU credits (Seems like this is for seminars or workshops. We have only needed to provide confirmation of attendance documentation).

- ix. Gift cards for speakers- Ask Karen. (Jay to ask Karen for June speakers. Whom should laser pointers be sent to?)
  - i. Done: Charlie has laser pointer for Adam; Jay will bring another for Ethan.
- x. Check how many Rel chapter members are eligible for Senior Member elevation. (To Do)
- v. AdCom Calendar
- 4. Old Business
  - a) MIT Lincoln Laboratory Appreciation / Thank You Plaque and Presentation
  - b) Proposed creation of IEEE Boston Reliability Chapter brochure Targeting the Younger Demographic - Facebook, Instagram, Twitter
  - c) Website Status
    - i. Webmaster moving to Colorado
  - d)
  - e)
- 5. New Business
  - a) Promotional Article
- 6. For August September (Annually)
  - a) Past Chairs Meeting invitations / RSVPs
  - b) Officer Election Open October 30 / Close December 4
- 7. Schedule Next AdCom Meeting
  - a) TBD.
- 8. Closing Remarks
- 9. Adjournment

#### Attachments (4)

- Meeting Sponsor Guidance
- Technical Presentation Schedule
- Possible Technical Presentation Topics
- Possible Speaker
- AdCom Calendar
- Requested Technical Presentation Topics

**Meeting Sponsor Guidance:** 

For speakers from commercial entities that want to highlight their products within the meeting, we:

- (a) continue to strongly encourage good technical content over "sales pitches", and
- (b) diplomatically request, in-person or via direct contact (zoom/phone), whether their company would share some of the meeting refreshment expenses or perhaps host the meeting in their facility.
- (c) emphasize this is not mandatory, just good sponsorship.
- (d) followup via email for confirmation and logistics.

# **Technical Presentation Schedule**

Date	Speaker	Title	Location
December 13, 2023 Wednesday	Dr. Mohammad Pourgol Teradyne	Hybrid Event- Complex Electronics Reliability and Life Modeling Based on Physics of failure Simulation	MIT LL (Main Cafeteria) & Virtual
January 17, 2024 Wednesday	Arun Gowtham	Transforming Reliability with AI	Virtual
February 7, 2024 Wednesday	Jian Cao	Analyzing_Time-to-Event Data: A Comparison Between Reliability and_Survival Methods	Virtual
March 06, 2024 Wednesday	Priscila D Silva	REGRESSION AND TIME SERIES MIXTURE APPROACHES TO PREDICT RESILIENCE.	MIT LL (Main Cafeteria) & Virtual
April <mark>23</mark> , 2024 <mark>Tuesday</mark>	Jared Kelly Chuck Lemieux	Joint IEEE Boston Reliability/Boston SMTA/iMAPS: Presentation & Tour, Tuesday 23-April-2024	Advanced MicroAnalytical , Salem, NH
May 8, 2024 Wednesday			
June 12, 2024 Wednesday	Adam Bahret		ASMPT NEXX
June 26,2024 Wednesday	Ethan Cascio		Lincoln Laboratory Main Cafeteria
September 11, 2024 Wednesday			
October 9, 2024 Wednesday			
November 6, 2024 Wednesday			
December 11, 2024 Wednesday			

Wednesday
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# **Potential Technical Presentation Topics**

Tentative Date	Speaker	Title	Location
	MRSI Systems	Presentation and Plant Tour	MRSI Systems
	Jeff Voas	Internet of Things	Webinar or міт н
	(Bill Gervasi, Nantero) see Dan's email below	A Carbon Nanotube Non-Volatile Memory Technology for Von	Webinar or MIT LL
	Angelo Scangas / Jim Leonard	DFMEA / FMECA	Webinar or
	?	Reliability Product Sales / Marketing	Webinar or
	Adam Bharet	?	Webinar or
	Glen Emelock	Consulting NSAI Auditor	Webinar or MIT LL

#### **Possible Speaker**

#### Mike and Ken,

On Tuesday, February 8, at a conference in southern California, I met someone who represents a company in Woburn, MA.

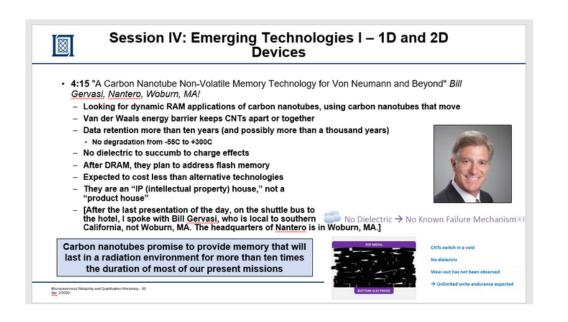
Their technology is very interesting, because it promises to provide memory that is tolerant of radiation much longer than any electronics today.

The person whom I met is not local, but the company is headquarted in Woburn, MA, and their CEO or CTO or Director of Engineering would probably be interested in speaker to our IEEE Boston Reliability Chapter as a way to spread the word about their technology.

Please add this to the agenda for our next Advisory Committee meeting, which I think is less than a week away. We should discuss whether we want to pursue this, and, if so, who should make first contact.

Thanks,

Dan



# AdCom Calendar

November 20	23								
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IEEE Boston Reliability Chapter AdCom Agenda – Wednesday, 05-June-2024

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February 2	2025					
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9	10	11	12 Tech Mtg	13	14	15
16	17	18 AdCom	19	20	21	22
23	24	25	26	27	28 Newsletter	

AdCom	(AC)	AdCom Meeting
Newsletter	(NL)	Newsletter due date
PC Invite	(PCI)	Send Past Chairs Technical Meeting invitations
PC Food	(PCF)	Order food for Past Chairs Technical Meeting
PC Tech Mtg	(PCM)	Past Chairs Technical Meeting
Tech Mtg	(TM)	Technical Meeting
POBC/COI	(P/C)	Annual Principles of Business Conduct / Conflict of Interest certification due date for offic
Tax Rpt	(TR)	Annual Tax Reporting due date
Award Req	(AR)	Send requests for award submissions
Award Sub	(AS)	Award submission due date
Open Nom	(ON)	Open nominations for officers
Close Nom	(CN)	Close nominations for officers
Open Elect	(OE)	Open election of officers
Close Elect	(CE)	Close election of officers

# **Requested Technical Presentation Topics**

Reliability of Electric Vehicles Batteries and Control Circuits Reliability target setting and allocation LONG DURATION RELIABILITY OF HIGH VOLTAGE/POWER SEMICONDUCTORS AI opportunities in quality & reliability comparison of usability and capabilities of reliability analysis SW packages, including analysis of physical degradation (drift) and binomial (pass/fail) data, and availability (e.g., Markov) modeling **Reliability of Power Semiconductors** how was JWST success achieved? Software Reliability and Availability DfR practices and ALT Ways to use AI, ML & Generative AI in Reliability Microfabrication Reliability, Reliability of Power Electronics, Reliability of Sensors, design and system integration considerations to ensure reliability fault tree analysis **Electric Grid Decarbonization** I am interested in statistical methodology presented in this (Priscila Silva's) session **Reliability and Resilience prediction** 

#### James P (Jay) Yakura is inviting you to a scheduled Zoom meeting.

**Topic: IEEE Reliability Boston/New Hampshire/Providence Chapter ADCOM Meeting Time: This is a recurring meeting Meet anytime** 

Join Zoom Meeting

https://us06web.zoom.us/j/83839280573?pwd=f8kfaYzZ94zVhUYQG0Zy5KHRpR801T.1

Meeting ID: 838 3928 0573 Passcode: 383263

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<u>One tap mobile</u> +13052241968,,83839280573#,,,,\*383263# US +13092053325,,83839280573#,,,,\*383263# US

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• +1 669 900 6833 US (San Jose)

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• +1 719 359 4580 US

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• +1 253 215 8782 US (Tacoma)

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• +1 346 248 7799 US (Houston)

- +1 360 209 5623 US
- +1 386 347 5053 US
- +1 507 473 4847 US
- +1 564 217 2000 US

Meeting ID: 838 3928 0573

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