

Chesapeake Area

Scanner Newsletter for March 2025

Serving the Baltimore, Northern Virginia, and Washington IEEE Sections

Today in electronic history:
(from dayintechhistory.com)

February 26, 1935

Scottish physicist [Robert Watson-Watt](#), considered by many to be the inventor of [RADAR \(Radio Detection And Ranging\)](#), first demonstrates its feasibility. Watson-Watt had been experimenting using radio waves to locate thunderstorms and thought of the idea of using it to detect aircraft. The use of RADAR is widely considered one of the key factors for the Allied victory in World War II. The research that went into further improving RADAR branched off into many areas including the invention of the transistor, which of course, allowed the development of many modern computerized technologies.

1. 2025 IEEE R1 R2 Joint Student Conference

(StuCon25)

April 4 @ 17:00 - April 6 @ 12:00

The 2025 IEEE R1 R2 Student Conference (StuCon25) is co-sponsored by IEEE Regions 1 & 2 and hosted by Stony Brooks University's IEEE student branch. All college students from Regions 1 and 2 are welcome to attend this event and participate in the competitions. Competitions include Micromouse, SumoBot, Ethics, Brown Bag, and Research Paper Competitions, with cash prizes available for all competitions.

Hand on Experience in Arduino, SumoBot, Antennas, Software Defined Radio, and MangDang Robot Dog workshops.

Professional Development workshops for students to build their professional brand and learn interviewing skills.

2. IEEE Communications Society ICC 2027 Conference

The IEEE Communications Society ICC 2027 conference, which stands for "IEEE International Conference on Communications 2027", is a major annual academic conference organized by the IEEE Communications Society, focusing on the latest advancements in telecommunications and networking technologies; currently, the anticipated date for this conference is sometime between May 30 and June 3, 2027, with specific location details yet to be announced.

If you are interested in helping with this conference, contact Dr. Paul Cotae at pcotae@udc.edu This is an excellent way to see how conferences are managed. This conference has been held for many years and provides an opportunity to learn about conferences. The conference will be held in the Washington DC area.

3. We welcome new Senior Members:

Baltimore Section:

Pravin Sankhwar

Premsai Ranga

Emil Hatfalvi

Northern Virginia Section:

Karthik Akula
Vamsikrishna Anumolu
Ephrem Asnake
Mohak Behal
Zhenis Ismagambetov
Kumar Jaiswal Vishal
Priyanka Kamath
Anupam Mehta
Ekanath Patil
Saravanan Prabhakaran
Sai Manoj DinakarRao Pudukotai
Arvind Ragipani
Sai Shashank Rasamalla
Amarda Shehu
Prakash Veenam

Washington Section:

Bongtae Han
Swetha Jannapureddy
Shashishekhara Ramagundam
Ratanchur Sarkar
Nagireddy Vasipally

Events calendar:

Date/Time	Title	Speaker(s)	Location	Primary Sponsor
Mar 07, 2025 12:00 PM	Project Series Meeting 2		Baltimore, MD	University Of Maryland- Baltimore County Chapter
Mar 08, 2025 10:00 AM	Washington Section March 2025 AdCom Meeting		Rockville, MD	Washington Section Chapter
Mar 10, 2025 06:30 PM	Baltimore Section Executive Committee (ExCom) Meeting, 10 March 2025		Baltimore, MD	Baltimore Section Chapter
Mar 11, 2025 06:00 PM	IEEE NoVa ExCom - March meeting			Northern Virginia Section Chapter
Mar 12, 2025 12:00 PM	Midterm Exam Study Hall		Baltimore, MD	University Of Maryland- Baltimore County Chapter

Mar 27, 2025 07:00 PM	Master Your Mindset, Master Your Success!	Lyla Cookson	Northern Virginia Section Affinity Group,Wie Chapter
Mar 29, 2025 11:00 AM	Brunch & Mingle with IEEE WIE!	Washington, DC	Northern Virginia Section Affinity Group,Wie Chapter
Apr 08, 2025 08:00 AM	2025 IEEE-USA Congressional Visits Day (CVD)	Washington, DC	Northern Virginia Section Chapter
Apr 14, 2025 06:30 PM	Baltimore Section Executive Committee (ExCom) Meeting, 14 April 2025		Baltimore Section Chapter
Apr 23, 2025 06:30 PM	100-300 GHz Wireless: transistors, ICs, systems	Mark Rodwell	Microwave Theory and Techniques Society Chapter

Date: March 7, 2025 (Friday)

Topic: Project Series Meeting 2

Time: 12:00 PM

Place: 1000 Hilltop Cir, Baltimore, MD

Registration: <https://events.vtools.ieee>.

Abstract: Second meeting of the project where members will continue to work on their projects.

Presented by: University Of Maryland-Baltimore County

Date: March 8, 2025 (Saturday)

Topic: Washington Section March 2025 AdCom Meeting

Time: 10:00 AM

Place: Rockville Memorial Library, 21 Maryland Ave, Rockville, MD (Meeting Room Medium 1st Floor)

Registration: <https://events.vtools.ieee>.

Abstract: Please join us for the monthly administrative meeting of the IEEE Washington Section. All IEEE members in our section are welcome to attend.

We encourage all chairs of chapters in the Washington Section (including joint chapters) to attend this meeting and present a short summary of their chapters' plans for 2025. For example, chapter chairs may have a few speakers in mind for technical talks that would be of interest to their members, or ideas for larger seminars to bring their members together to discuss their chapters' interests. In the event a chapter chair cannot attend, they may send a proxy instead, or alternatively a Powerpoint slide summarizing their plans. IEEE members interested in volunteering are encouraged to attend, meet their chapter chairs, and learn about exciting events planned for this year.

Note that the AdCom meeting will be held at a new location this year at the Rockville Memorial Library in the Meeting Room on the 1st Floor. Parking is available with street meters or in the Rockville Town Square garages. Library customers can get 2 hours of free parking

when they park in one of the Rockville Town Square garages. There is also parking available across the street from the library.
Light refreshments will be available during the meeting and we will plan to go out to lunch at a nearby restaurant after the meeting.
Presented by: Washington Section

Date: March 10, 2025 (Monday)
Topic: Baltimore Section Executive Committee (ExCom) Meeting, 10 March 2025
Time: 6:30 PM
Place: Commons, UMBC, Baltimore, MD (329)
Registration: <https://events.vtools.ieee>.
Abstract: Monthly meeting of the IEEE Baltimore Section's executive committee.
The meeting is open to all Section members.
This will only be in person at UMBC. A light dinner will be served for those coming directly from work.
Park in the Commons Garage. Parking is free after 4:00 PM
Presented by: Baltimore Section

Date: March 11, 2025 (Tuesday)
Topic: IEEE NoVa ExCom - March meeting
Time 6:00 PM
Place:
Registration: <https://events.vtools.ieee>.
Abstract: ExCom meeting for officers, chapter leaders, and all interested members of the section
Presented by: Northern Virginia Section

Date: March 12, 2025 (Wednesday)
Topic: Midterm Exam Study Hall
Time: 12:00 PM
Place: 1000 Hilltop Cir, Baltimore, MD
Registration: <https://events.vtools.ieee>.
Abstract: Study hall for members with tutors for specific subjects
Presented by: University Of Maryland-Baltimore County

Date: March 27, 2025 (Thursday)
Topic: Master Your Mindset, Master Your Success!
Speaker: Lyla Cookson
Time: 7:00 PM
Place:
Registration: <https://events.vtools.ieee>.
Abstract:
[Download our event flyer](#) (pdf), print and share with everyone! This is a free online workshop open to all. Please RSVP.

Are you ready to unlock your full potential and elevate your career? Join us for an inspiring session with Lyla Cookson, Transformation Engineer and Empowerment Coach for Women Engineers. With a rich background in electrical engineering and global industry experience, Lyla will share powerful strategies to help you:

Boost productivity and peak performance
Overcome limiting beliefs and quiet your inner critic
Build resilience and master negotiation skills
Cultivate confidence and creativity for career growth

This interactive webinar is designed for women engineers who want to take control of their thoughts, achieve their professional goals, and build meaningful connections. Don't miss out on this opportunity to learn from a seasoned expert and start your journey toward success! Hosted by IEEE WIE Northern Virginia Section & Baltimore Section



Date: Thursday, March 27, 2025



Time: 7:00 PM (Online Event)

Register now and let's master our mindset together!

Speaker Bio: Lyla Cookson earned a BS in Electrical Engineering from Boston University and is a former semiconductor design engineer for Sanyo Electric, where she had the opportunity to work & live in Japan for five years. She has transitioned to coaching women engineers, providing tools & guidance to help them achieve their goals and prosper in their careers. More about Lyla and her mindset program, Positive Intelligence®, can be found at

www.lylacookson.com

Presented by: Northern Virginia Section Affinity Group, Wie.

Date: March 29, 2025 (Saturday)

Topic: Brunch & Mingle with IEEE WIE!

Time: 11:00 AM

Place: Founding Farmers DC, 1924 Pennsylvania AVE NW, Washington, DC

Registration: <https://events.vtools.ieee>.

Abstract:

Come sip, savor, and socialize at a fabulous IEEE Women in Engineering Networking Brunch! We're bringing together the Northern Virginia, Baltimore, and Washington sections for a morning of laughter, connections, and inspiring conversations. Whether you're a seasoned pro or just starting your journey, this is the perfect way to meet incredible women in engineering over a delicious brunch!

When? Saturday, March 29, 2025, at 11:00 AM

Where? Founding Farmers, Washington, DC

Address: 1924 Pennsylvania Ave NW, Washington, DC

Good food, great company, and even better conversations—don't miss out! Let's toast to empowerment and new friendships!

Presented by: Northern Virginia Section Affinity Group, Wie.

Date: April 8, 2025 (Tuesday)

Topic: 2025 IEEE-USA Congressional Visits Day (CVD)

Time: 8:00 AM

Place: Washington, DC

Registration: <https://events>.

Abstract: IEEE-USA Congressional Visits Day (CVD) is an annual event that brings engineers, scientists, mathematicians, researchers, educators, and technology executives to Washington to raise visibility of and support for engineering and technology. This premier event is open to all IEEE members in the United States. CVD is an opportunity to introduce yourself, your colleagues, your company, and your profession to our elected officials. It also a

great opportunity to discuss legislation and issues that are uniquely important to IEEE members.

[Register Now](#) →

For More Information

Contact:

Annie Perrin Grisham

IEEE-USA Government Relations

Email: a.grisham@ieee.org

Presented by: Northern Virginia Section

Date: April 14, 2025 (Monday)

Topic: Baltimore Section Executive Committee (ExCom) Meeting, 14 April 2025

Time: 6:30 PM

Place:

Registration: <https://events.vtools.ieee>.

Abstract: Monthly meeting of the IEEE Baltimore Section's executive committee.

The meeting is open to all Section members.

This meeting will be by videoconference only.

Presented by: Baltimore Section

Date: April 23, 2025 (Wednesday)

Topic: 100-300 GHz Wireless: transistors, ICs, systems

Speaker: Mark Rodwell

Time: 6:30 PM

Place:

Registration: <https://events.vtools.ieee>.

Abstract:

100-300 GHz Wireless: transistors, ICs, systems

By

Professor Mark Rodwell, UCSB

IEEE-MTT Distinguished Microwave Lecturer

We describe the opportunities, and the research challenges, presented in the development of 100-300GHz wireless communications and imaging systems. In such links, short wavelengths permit massive spatial multiplexing both for network nodes and point-point links, permitting aggregate transmission capacities approaching 1Tb/s. 100-300GHz radar imaging systems can provide thousands of image pixels and sub-degree angular resolution from small apertures, supporting foul-weather driving and aviation. Challenges include the mm-wave IC designs, the physical design of the front-end modules, the complexity of the back-end digital beamformer required for spatial multiplexing, and, for imaging, the development of system architectures requiring far fewer RF channels than the number of image pixels. We will describe transistor development, IC design, and system design, and describe our efforts to develop 140GHz massive MIMO wireless hubs, and 210GHz and 280GHz MIMO backhaul links.

This is a virtual on line lecture. Please register on IEEE-Vtools.

Professor Mark Rodwell holds the Doluca Family Endowed Chair in Electrical and Computer Engineering at UCSB and directs the SRC/DARPA Center for Converged TeraHertz Communications and Sensing. His research group develops nm and THz transistors, and high-frequency integrated circuits and systems. Prof. Rodwell received the 2010 IEEE Sarnoff Award, the 2012 Marconi Prize Paper Award, the 1997 IEEE Microwave Prize, the 2009 IEEE IPRM Conference Award, and the 1998 European Microwave Conference Microwave Prize. More information <https://mtt.org/profile/mark->

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Presented by: Microwave Theory and Techniques Society