



THE IEEE NORTH JERSEY SECTION NEWSLETTER

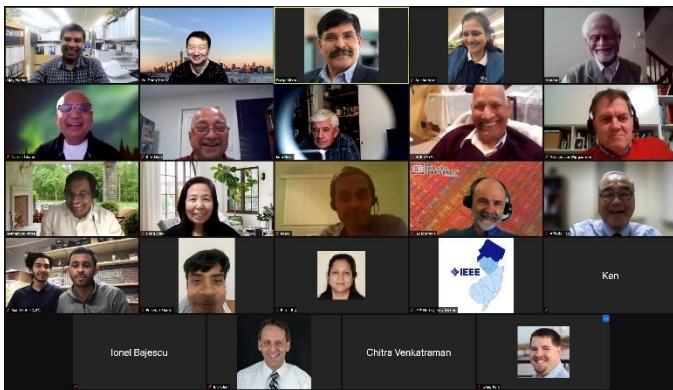
VOL. 68, NO. 10

NOVEMBER 2022

Message from the IEEE North Jersey Section Chair Dr. Ajay Poddar



In this month of November, the IEEE North Jersey Section volunteers and chapter officers are busy organizing several events for the benefit of its members. The month of October has also been a month of various events and activities. During the November ExCom meeting held online on Zoom on Wednesday Nov 02, the slate for the 2023-2024 section officers was discussed. The screenshot photo of ExCom members depicts all are happy and smiling, they are proud of their volunteering services for the benefit of the local professional community.



IEEE North Jersey Section Executive Committee Officers Slate for 2023-2024 - Nominations

The IEEE North Jersey Section is managed by an Executive Committee (ExCom) consisting of Elected Officers, the Section's Chapter and Affinity Group Chairs, Student representatives, appointed Committee Chairs, and the Junior and Senior Past-Chairs. The Section Chair chairs the Section's organizational meetings and represents the Section as a voting member in the IEEE Region 1 Board of Governor meetings. The Vice-Chairs assist the Chair in the coordination of all Section activities, and chair Section meetings at the request of the Chair or in the absence of the Chair. The duties of the Secretary include correspondence, and record-keeping of the Section's meeting minutes, mailing notices, and the submission of the meeting and officer reports. The duties of the Treasurer include the development of a Section budget for approval by the Section, accounting of all Section funds, maintenance of the Section's financial records, and the submission of the Section's financial operations report to IEEE Headquarters. The duties of the three Members-at-Large include the support of the Section's operations, the assistance of the Chair, Secretary, and

Treasurer, the organization of Section activities, and the assessment of project proposals.

In response to the monthly Calls for Nominations as of October 2022, the IEEE North Jersey Section Nomination Committee has received nominations for the Section's Elected Section Officer positions for the 2023-2024 term.

IEEE North Jersey Section Nomination & Appointment Committee, Chair Dr. Durgamadhab Misra, Member-Dr. Kalyan Mondal and Dr. Yu-Dong Yao prepared the slate for 2023-2024 IEEE North Jersey Section ExCom Members.

The names of the proposed officers are given below:

- Chair-Dr. Hong Zhao, FDU
- Vice-Chair 1-Dr. Emad Farag, Bell Nokia
- Vice-Chair 2- Dr. Anisha Apte, Synergy
- Treasurer - Dr. Avimanyou Vatsa, FDU
- Secretary-Dr. Adriaan Wijngaarden, Bell Nokia
- Members at Large 1: Dr. Naresh Chand
- Members at Large 2: Dr. Alfredo Tan
- Members at Large 3: Mr. Har Dayal

Nominating Committee, individual voting members eligible to vote in such an election may nominate candidates by petition. In accordance with IEEE Bylaw I-307.17, the number of signatures required on a petition shall be determined as follows. For all positions where the electorate is less than 30,000 voting members, signatures shall be required from 2% of the eligible voters. The petition shall be completed by Nov. 20, 2022. Please feel free to contact Prof. Durga Misra, IEEE North Jersey Nomination Committee Chair (dmisra@njit.edu), if you have any questions.

If you are interested in serving in any of the above positions, please contact Nominations Committee chair, Dr. Durga Misra at dmisra@njit.edu for the consideration and inclusion in above slate.

IEEE North Jersey Section Seeks Committee Chairs and Section Volunteers

The IEEE North Jersey Section is seeking new volunteers to help conduct business for the benefit of its membership. There are a variety of volunteer positions open and available. They range from technical to non-technical, leadership or just participatory. A list of IEEE North Jersey Societies, Chapters, Groups and Committees are published at the end of the newsletter for those interested in participating. If you would like to become involved with volunteering in some of these efforts or positions or just become more informed about what is happening at the North Jersey Section, please contact

You do not have to be an IEEE member, but prior registration is encouraged to attend any event. [IEEE North Jersey Section Website](http://www.ieee.org) [The Section Executive Committee Roster](#)



PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Nominations Committee chair, Dr. Durga Misra at dmisra@ieee.org. You are welcome to attend the Section's executive committee meeting held the first Wednesday of every month to learn more about volunteer activities that require some help. Additionally, if interested volunteers would like to get more general information about the section, including a complete listing of all chapters and committees, visit the North Jersey section website <https://r1.ieee.org/northjersey> or contact the committee members listed at the end of newsletter.

The IEEE North Jersey Section's Annual End-of-the-Year Dinner-Meeting Event

The IEEE North Jersey Section is pleased to announce its annual End-of-the-Year Dinner-Meeting Event.

Our section officers serve a two-year term and the 2021-2022 ExCom officers for the North Jersey Section will hand over to the new ExCom starting their term for 2023-2024.

Please register for the event in advance as the venue requires the exact number of attendees to be given in advance.

The section chair has organized gift items as a token of appreciation for all the officers of our section, so please do not forget to register yourself, so you may receive your gift at the venue.

This year our invited guest speaker is Prof. Bharat Biswal, a Distinguished Professor of Biomedical Engineering at NJIT, and a Fellow of The American Institute for Medical and Biological Engineering.

You may bring your spouse or one guest (complimentary by the Section), and make sure to register your guest for the attendee headcount for dinner and gifts.

PLEASE REGISTER YOURSELF (and your guest - if any) before the registration deadline of November 20th, 2022.

Check the section newsletter and/or website at "[IEEE North Jersey Section](#)" for any additional information.

Date: 29 Nov 2022 **Time:** 06:00 PM to 09:30 PM

Venue: Hanover Manor Embassy Room, Eagle Rock Ave. East Hanover, NJ 07936

Contact the meeting organizers for additional questions or information about the event.

Russell C. Pepe (russell.pepe@atml.com)

Kenneth Oexle (k.oexle@verizon.net)

Ajay Poddar (akpoddar@ieee.org)

IEEE STEM Summit Virtual Events Dec 6-10

Building tomorrow's technical community today! Let us build our STEM community by coming together to encourage, support and inspire each other. Register the event at <https://stem-summit.tryengineering.org/>

Sessions included topics on STEM pedagogy, engineering education, best practices in STEM outreach, inspirational talks, and resources to empower our STEM community.

Resources for University Level Educators: IEEE Teaching Excellence Hub

The teaching excellence Hub (TEH) is a collaboration between the IEEE Educational Activities Board and the IEEE Education Society, which contains articles with an emphasis on current developments and best practices in ECT, access to current and on-demand events, and more! Explore how the TEH connects faculty to vetted and trusted resources so that they can be put into immediate practice. Share your content today by clicking the link: [Home - IEEE Teaching Excellence Hub](#)

IEEE-HKN Grab Lab

The IEEE-HKN Grab lab YouTube series ([IEEE-HKN - YouTube](#)) offers insightful conversations, presentations and resources for students considering Graduate School or in Graduate School, recent episode addresses a very common concern among PhD students: How to manage interpersonal relationships, managing interpersonal connections in different scenarios including, between group members, between students and their PI's as well as between students and other collaborators. Here our goal is to unravel the dynamics that can occur and discuss ways to overcome the uncomfortable scenarios and enhance the relationships even beyond their preassigned roles.

Resources for Volunteers

- Webex Event User Guide available [here](#)
- Interested in using Google Meet? Find out more at <http://meet.google.com> or send us an email at mga-im@ieee.org.
- **IEEE Center for Leadership Excellence (CLE)**
Find volunteer training and resources in the [IEEE CLE](#).
- **IEEE Learning Network**
The IEEE Learning Network (ILN) gives members easy access to online learning content from across IEEE, all in one place. Browse hundreds of courses on core and emerging technologies, leadership skills, and more.
- **Additional IEEE Virtual Events Resources**
The following IEEE resources can also be useful for organizers looking to virtualize their events:
 - IEEE tv's video on [Recording Your Presentation with Zoom](#)
 - [MGA's vTools resources](#)

I would like to encourage everyone to find more opportunities to volunteer and contribute towards a worthy cause and benefit of the members and our community.

I wish all the members good health and a very happy Thanksgiving.

- Ajay Poddar, IEEE North Jersey Section Chair

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GRADUATE SCHOOL VIRTUAL OPEN HOUSE!

Wednesday, November 16, 2022, 5 p.m.

Fairleigh Dickinson University

Gildart Haase School of Computer Sciences & Engineering (GHSCSE)

Cybersecurity Leadership: "National Center of Academic Excellence for Cyber Defense Education (CAE-CDE)" by NSA

18 cutting-edge labs, among the best in the North and Mid-Atlantic Regions

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| *Cybersecurity & Information Assurance | *Management Information Systems |
| *Electrical Engineering | *Computer Engineering |
| *E-Commerce | *Computer Science (Data Science, Cloud Computing and more) |

Scan Zoom Registration



Scan Grad Program Info



- [This Month's Communications Society News from Around the World](#)
- ["Looking Back the Ford Model"](#) - An article by Harry Roman for the November Newsletter

Looking Back - the Ford Model T

At the Thomas Edison garage, I often lecture about his 1922 Model T there. Visitors often ask how we got where we are with gasoline vehicles today. The Model T was produced from 1908 to 1927, with 15 million units manufactured and sold. In the early 1920's, Ford's Model T could be purchased for about \$300. Gasoline was about \$.25 a gallon. An electric vehicle of that time would have cost close to \$3,000. The economic choice was obvious, aided by the ubiquitous availability of gasoline, even at rural general stores equipped with hand-cranked pumps. Some key facts:

- The engine was an in-line, four-cylinder, with a 177 cubic inch piston displacement
- It could run on gasoline, kerosene, or alcohol
- The car was notoriously difficult to drive (and sometimes start)
- The Model T's throttle was operated by hand. The firing of the spark plugs was also controlled by hand. The driver had to operate both while driving - The engine generated 20-30 horsepower and propelled the car to modest top speeds of 40-45 miles per hour
- The 10-gallon fuel tank was located under the front seat, giving the car a fuel economy of about 13-21 miles per gallon

Ford's Model T was the Tesla of its day. The Model T was so successful that Ford ran few advertisements, depending upon word of mouth to drive sales

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The vehicle also became famous for its most popular nickname - the "Tin Lizzie"

For all practical purposes, the Model T was America's first SUV, capable of off-road maneuverability!

All Model Ts were built with a permanently affixed jack stand on the rear axle. This would allow the owner to remove the rear wheel and place a flat belt on the hub. The car could then be used to power farm equipment. This was factory standard on all Model Ts, right up to the 15 millionth produced in 1927.

The Model T employed some advanced technology, for example, its use of vanadium steel alloy. Its durability was phenomenal, and some Model Ts and their parts are in running order over a century later. Although Henry Ford resisted some kinds of change, he always championed the advancement of materials engineering, and often mechanical engineering and industrial engineering.

In the early 1900s, 40% of the cars on the road were electric, 40% were steam, and 20% were gasoline. The Model T and its successors changed all that. Today, there are over 280 million cars on the road with about 1% of them being electric. Changing the car fleet over to total electric will take several generations at best; and probably a re-do of the electric utility system; and many new charging stations. Not going to happen overnight or by wishing it so.

Talk to you again soon...

- Harry

Harry T. Roman: Life Senior Member (htroman49@aol.com)

(Author & Advisor, Edison Innovation Foundation), (Retired-PSE&G Co.), (htroman49@aol.com)



FDU
Gildart Haase School
of Computer Sciences
& Engineering

GRADUATE SCHOOL VIRTUAL OPEN HOUSE!

Wednesday, December 7, 2022, 5 p.m.

Fairleigh Dickinson University

Gildart Haase School of Computer Sciences & Engineering (GHSCSE)

Cybersecurity Leadership: "National Center of Academic Excellence for Cyber Defense Education (CAE-CDE)" by NSA

18 cutting-edge labs, among the best in the North and Mid-Atlantic Regions

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- *Cybersecurity & Information Assurance**
- *Management Information Systems**
- *Electrical Engineering**
- *Computer Engineering**
- *E-Commerce**
- *Computer Science (Data Science, Cloud Computing and more)**

Scan Zoom Registration



Scan Grad Program Info





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Calendar of Events

Current Events for the month of November

| Date | Event Title, Hosts and other Details |
|--|---|
| 01 Nov 2022 09:00 AM to 03:00 PM | <p>RF Fundamentals-Full Day Seminar</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AP03/MTT17 Location: vTools External Registration Link, DoubleTree Somerset, Bldg. 200 Atrium Dr., Somerset, NJ 08873 Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Experts from Rohde & Schwarz will give lectures on the Basics of RF & MW</p> |
| 02 Nov 2022 12:00 PM to 01:00 PM | <p>Compact and efficient automotive radar sensor testing</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AP03/MTT17 Location: vTools External Registration Link, Link for Joining Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Andreas Ibl of Rohde & Schwarz, Jeremy Carpenter</p> |
| 02 Nov 2022 06:30 PM to 08:30 PM | <p>IEEE North Jersey Section EXCOM - Zoom Meeting 6:30 PM November 2nd, 2022</p> <p>Sponsor/Co-Sponsors: North Jersey Section Location: vTools Registration Link, Zoom Meeting Link Meeting ID: 890 6781 1667 Contact: Ajay Poddar (akpoddar@ieee.org), Adriaan van Wijngaarden (avw@ieee.org), Hong Zhao (zhao@fdu.edu)</p> |
| 02 Nov 2022 06:30 PM to 08:30 PM | <p>Inter-Section Joint Collaboration Initiatives: IEEE R1 North Jersey Section and IEEE R10 Pune Section</p> <p>Sponsor/Co-Sponsors: North Jersey Section Location: vTools Registration Link, Zoom Meeting Link Contact: Ajay Poddar (akpoddar@ieee.org), Adriaan van Wijngaarden (avw@ieee.org), Speakers: Prof. Mandar Khurjekar from the IEEE Pune Section (R10 - India) to share the proposal for collaboration initiatives with the IEEE North Jersey Section.</p> |
| 03 Nov 2022 11:00 AM to 12:30 PM | <p>IEEE AP-S can contribute to the use of wireless technology for the developing world: A brainstorming session</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AP03/MTT17, SIGHT177, AP-S COPE Location: vTools Registration Link, Meeting link will be provided to the participants Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org) Speakers: Prof. Weng Chew</p> |
| 03 Nov 2022 06:30 PM to 08:00 PM | <p>VDL - Connecting Space Assets to the Internet: Challenges and Solutions</p> <p>Sponsor/Co-Sponsors: North Jersey Section (plus many other sections) Location: vTools Registration Link, Zoom Meeting Link Contact: Ajay Poddar (akpoddar@ieee.org), Speakers: Mohammed Atiqzaman, Ph.D.</p> |
| 07 Nov 2022 03:00 PM to 09:00 PM | <p>Developing Digital RF Memories and Transceiver Technologies for Electromagnetic Warfare Seminar</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AES10, COM19, CS23, AP03/MTT17, Rohde & Schwarz, AOC, CACI Location: vTools Registration Link, CACI 12 Vreeland Rd – Cafeteria, Florham Park, NJ 07932 Contact: Cherif Chibane (cherif.chibane@ieee.org), Amit Patel (amitpatel@netzero.net), Dave (dave@aurestech.com), Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Dr. Philip Pace</p> |

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| 08 Nov 2022 12:00 PM to 01:00 PM | <p>Automotive Radar - From First Efforts to Future Systems</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AP03/MTT17 Location: vTools External Registration Link, Virtual Meeting Link Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Dr. Ing. Christian Waldschmidt of University Ulm</p> |
| 11 Nov 2022 09:00 AM to 02:00 PM | <p>Transformers - Liquid Filled Transformer Design and Construction & Factory Acceptance Tests</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapters PES / IAS / LM Joint Meeting, AP03/MTT17 Location: Auditorium, PSE&G - Hadley Road Facility, 4000 Hadley Road, South Plainfield, NJ 07080, vTools Registration Link Contact: Ronald Quade (RWQuade@ieee.org), Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Sheldon Kennedy of Niagara Power Transformer</p> |
| 14 Nov 2022 01:00 PM to 02:00 PM | <p>Edge Computing and Communication Systems for Video Analytics Applications</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter C16 Location: vTools Registration Link, GITC 4402, 218, Central Ave, Newark, NJ 07102 Contact: Hong Zhao (zhao@fdu.edu), Guiling Wang (guiling.wang@njit.edu), NJIT Speakers: Dr. Dan Wang of Department of Computing, The Hong Kong Polytechnic University.</p> |
| 16 Nov 2022 08:45 AM to 02:00 PM | <p>IEEE EDS Educational Program: One-Day Tutorial on Neuromorphic Computing & AI</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter CAS04/ED15, AP03/MTT17 Location: vTools External Registration Link, NJIT, ECE 202, 154 Summit Street, Newark, NJ 07102 Contact: Durga Misra (dmisra@ieee.org), Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Speakers from all over US will participate in this. Students and postdocs can present a poster. Please see the Registration link for details.</p> |
| 29 Nov 2022 01:00 PM to 02:00 PM | <p>5G NTN takes flight: 5G non-terrestrial networks evolving towards 6G</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AP03/MTT17 Location: vTools External Registration Link, Virtual Meeting Link Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Reiner Stuhlfauth of Rohde & Schwarz</p> |
| 29 Nov 2022 06:00 PM to 09:00 PM | <p>IEEE North Jersey Section End-of-the-Year Dinner Meeting Event</p> <p>Sponsor/Co-Sponsors: North Jersey Section Location: vTools Registration Link, Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, Contact: Ajay Poddar (akpoddar@ieee.org), Russell C. Pepe (russell.pepe@atml.com) Kenneth Oexle (k.oexle@verizon.net) Speakers: Prof. Bharat Biswal, Topic: Advances in Medical Imaging in the Era of Big Data</p> |
| 09 Dec 2022 09:00 AM to 02:00 PM | <p>North Jersey Research Student Conference</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter MAG33/UFFC20/SEN39 Location: vTools External Registration Link, NJIT, ECE-202, 154 Summit Avenue, Newark, NJ 07102 Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: In this Conference, postdoctoral researchers, PhD, master, undergraduate, and high school students will come together to present their research topics and latest results. Best presentation awards and certificate of merits will be awarded to outstanding presenters.</p> |

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Past Month's Events – October 2022 Events

| Date | Event Title, Hosts and other Details |
|--|---|
| 03 Oct 2022 07:00 PM to 08:30 PM | <p>Radar Technology Systems – An Introduction Sponsor/Co-Sponsors: North Jersey Section Chapters AES10, COM19, CS23, Jt Chapter, AP03/MTT17, San Diego Section Chapter, AES10, Location: vTools Registration Link, Zoom Meeting Link - Meeting ID: 859 4212 2032 (Passcode: see vTools pg.) Contact: Cherif Chibane (cherif.chibane@ieee.org), Amit Patel (a.j.patel@ieee.org), Dave (dave@aurestech.com), Kramer (kramer@sandiego.edu), Anisha Apte (anisha_apte@ieee.org) Speakers: Seng Hong, PhD., Senior Technical advisor, Licensed PE, Adjunct Professor</p> |
| 06 Oct 2022 09:00 AM to 04:30 PM | <p>36th ANNUAL SYMPOSIUM AND MINI-SHOW Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Multiple Speakers – All Day Event</p> |
| 06 Oct 2022 09:00 AM to 10:00 AM | <p>Electromagnetic Diffraction Modeling and Simulation AP-S DL Talk Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Prof. Levent Sevgi</p> |
| 06 Oct 2022 10:30 AM to 11:15 AM | <p>Quantum RF: Rydberg Electric Field Sensor Application Spaces Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Dr. Charles Fancher</p> |
| 06 Oct 2022 11:15 AM to 12:00 PM | <p>Practical Approaches to Industrializing Near-THz Communications Systems Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Dr. Michael Holyoak, Dr. Shahriar Shahramian</p> |
| 06 Oct 2022 01:00 PM to 01:45 PM | <p>A look at a novel Antenna design Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Dr. Ulrich Rohde, Dr. James Breakall</p> |
| 06 Oct 2022 01:45 PM to 02:30 PM | <p>Quantum Computing: Characterizing & Programming Quantum Bits – an RF Engineer's Perspective Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Mr. Mark Elo</p> |

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| 06 Oct 2022 02:30 PM to 03:00 PM | <p>Microwave Power Modules (MPMs) in Space</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Dr. Al Katz</p> |
| 06 Oct 2022 03:30 PM to 04:00 PM | <p>The Fallacy of Massive MIMO</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Rana Barsbai</p> |
| 06 Oct 2022 04:00 PM to 04:30 PM | <p>Modern RF/ Optical Delay Line Technologies, Configurations and Applications</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: J. W. Caton</p> |
| 06 Oct 2022 04:30 PM to 05:00 PM | <p>Law and Technology</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter, AP03/MTT17 Location: Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936, vTools Registration Link, Contact: Kirit Dixit (kdixit@ieee.org), Ajay Poddar (akpoddar@ieee.org), Har Dayal (dayal.har@gmail.com) Speakers: Judge Sohail Mohammed</p> |
| 11 Oct 2022 12:00 PM to 01:00 PM | <p>Power Beaming & Space Solar</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AP03/MTT17 Location: vTools External Registration Link, Virtual Meeting Link Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Dr. Paul Jaffe of U.S. Naval Research Laboratory</p> |
| 12 Oct 2022 12:00 PM to 01:00 PM | <p>MR Image Reconstruction as a Computational Imaging Problem: From Model-Based Reconstruction and Sparsity to Machine Learning</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter SP01, C16, AP03/MTT17 Location: vTools Registration Link, Zoom Meeting Link - Meeting ID: 938 1582 6146 Contact: Alfredo Tan (tan@fdu.edu), Hong Zhao (zhao@fdu.edu) Speakers: Dr. Mariya Doneva of Philips Research, Hamburg, Germany</p> |
| 18 Oct 2022 02:00 PM to 03:00 PM | <p>Mastering EVM: Optimizing your test setup</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AP03/MTT17 Location: vTools External Registration Link, Virtual Meeting Link Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu) Speakers: Martin Lim of Rohde & Schwarz</p> |

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| 19 Oct 2022 06:00 PM to 08:00 PM | <p>IEEE Day PACE SIGHT Computer Chapter: Adapting Technology to Promote Stimulation and Engagement for Older Adults and People Living with Dementia</p> <p>Sponsor/Co-Sponsors: New Jersey Coast Section IM09/C16, SIGHT119, North Jersey Section Chapter SIGHT177</p> <p>Location: vTools Registration Link, Virtual Meeting Link will be available upon registrants only</p> <p>Contact: Kit August (kit.august@gmail.com), Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org)</p> <p>Speakers: Paula Muller, Founder of Sociavi</p> |
| 25 Oct 2022 04:00 PM | <p>Advances and Opportunities in Optical Communication Networks and Systems: Indian Inst of Technology Kanpur</p> <p>Sponsor/Co-Sponsors: Ramachandra Rao Dasari Distinguished Lecture Series 2022, Indian Inst of Technology-Kanpur, MTT17, North Jersey Section Jt Chapter, AP03/MTT17, IEEE MTT-S SB, PHO36</p> <p>Location: Lecture Hall – 15, Indian Institute of Technology Kanpur, Uttar Pradesh, India 208016</p> <p>vTools Registration Link</p> <p>Contact: Apala Banerjee (apala@iitk.ac.in), Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Naresh Chand (chandnaresh@gmail.com)</p> <p>Speakers: Dr. Naresh Chand</p> |
| 26 Oct 2022 05:00 PM to 6:00 PM | <p>YPs in Space Event, AP-S COPE & AP-S SIGHT Projects</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter SIGHT177, AP-S COPE, AP03/MTT17</p> <p>Location: vTools Registration Link, Virtual Meeting Link will be available upon registrants only</p> <p>Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Kit August (kit.august@gmail.com),</p> <p>Speakers: Dr. Ulrich L. Rohde</p> |
| 27 Oct. 2022 12:00 PM to 05:00 PM | <p>Towards the 100% clean energy future – How can IEEE Help?</p> <p>Sponsor/Co-Sponsors: North Jersey Section Affinity Group LM</p> <p>Location: Greek Taverna, 292 Broomfield Avenue, Montclair, NJ 07042, Parking is free and more than adequate.</p> <p>vTools Registration Link</p> <p>Contact: Mike Miller (millerm@ieee.org), Ronald Quade (rwquade@ieee.org), Ken Oexle (k.oexle@verizon.net)</p> <p>Speakers: Mousa, Ahmed of IEEE</p> |
| 27 Oct. 2022 01:00 PM to 02:00 PM | <p>Rethink 5G testing – how to implement the ultimate 5G device experience for suitable use cases and markets</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter, AP03/MTT17, CAS04/, ED15, PHO036, VT06, SIGHT177</p> <p>Location: vTools External Registration Link, Virtual Meeting Link</p> <p>Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu), Durga Misra (dmisra@njit.edu), Naresh Chand (chandnaresh@gmail.com), Ionel Bajescu (nelu108@yahoo.com),</p> <p>Speakers: Tim Seyler of Rohde & Schwarz</p> |
| 27 Oct. 2022 06:30 PM to 08:30 PM | <p>Open Source Chip Design</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter, CNNNJ</p> <p>Location: vTools External Registration Link, Virtual Meeting Link will be available after registration</p> <p>Contact: Jay Morreale (info@technologyontap.org)</p> <p>Speakers: Mehdi Saligane Research Scientist ECE Dept. at the University of Michigan.</p> |

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| 28 Oct. 2022 09:00 AM to 02:00 PM | <p>Protection And Control of Power Transformers</p> <p>Sponsor/Co-Sponsors: North Jersey Section PE31, AP03/MTT17 Location: Auditorium, PSE&G - Hadley Road Facility, 4000 Hadley Road, South Plainfield, NJ 07080, vTools Registration Link Contact: Mike Miller (millerm@ieee.org), Ronald Quade (rwquade@ieee.org), Ken Oexle (k.oexle@verizon.net) Speakers: Dr. Murty Yalla of Beckwith Electric</p> |
| 28 Oct 2022 05:00 PM to 06:30 PM | <p>IEEE HKN Founders Day Celebration - Mu Xi Chapter: IISc-Bangalore</p> <p>Sponsor/Co-Sponsors: IISc Bangalore Mu Xi, North Jersey Section PHO36, AP03/MTT17 Location: Golden Jubilee Hall, Department of Electrical Communication Engineering, Indian Institute of Science, CV Raman Road, Bangalore, Karnataka, India 560064, vTools External Registration Link, Contact: Naresh Chand (chandnaresh@gmail.com), Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org) Speakers: Dr. Naresh Chand of IEEE Photonics Society</p> |
| 30 Oct 2022 10:30 AM to 01:30 PM | <p>One Day Workshop on "Photonics: opportunities and challenges in India and IEEE Photonics Society", Benefits of IEEE Photonics Society</p> <p>Sponsor/Co-Sponsors: IISc Bangalore Mu Xi, North Jersey Section PHO36, AP03/MTT17 Location: Malnad College of Engg-Hassan, No 21, Salagame Rd, Rangoli Halla, Hassan, Karnataka, India 573201, vTools Registration Link Contact: Naresh Chand (chandnaresh@gmail.com), Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org) Speakers: Dr. Naresh Chand of IEEE Photonics Society, Dr. T. Srinivas</p> |

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