



THE IEEE NORTH JERSEY SECTION NEWSLETTER

VOL. 68, NO. 6

JUNE-JULY 2022

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



I hope everyone is enjoying the beautiful weather and the summer break.

As we are already about half-way through the year 2022, we have had a successful in-person Awards Banquet held on May 1st, at the Hanover Manor in New Jersey.

You can find the pictures of the event, here: [2022 May 1st awards banquet](#).

We look forward to many more successful events in the months to come, and we are making very good progress overall.

The NJ Makers day event held in March, co-sponsored by our North Jersey Section, and AP-S COPE, was a great success. Please find the link, now posted on AP-S YP LinkedIn page:

https://www.linkedin.com/posts/ieee-aps-yp_ap-s-cope-project-new-jersey-school-girl-scout-activity-6942625467992604672-6Syu

We have more events lined up, and our officers and volunteers are working hard towards making these possible. We have the Annual MTT/AP Mini-symposium scheduled in October.

We are continuing to have in-person events. The joint event co-sponsored by AP/MTT, ED/CAS and SIGHT held at NJIT on June 28th was well attended. The two speakers were Dr. James Breakall and Prof. Georg Karawas. The pictures of the event can be seen in Fig. 1.

Fig. 2 shows the AP/MT, VT and SIGHT panel session held at 201 McLean Boulevard, Paterson on June 29th – panelists are: Dr. Ulrich Rohde, Dr. James Breakall, Dr. Georg Karawas, and Dr. Ajay Poddar. The panelists were demonstrating the HAM radio link and also discussing about the importance of HAM radio station during natural disasters, and its support as an emergency radio communication in the need of the hour.



Fig. 2: AP/MT, VT and SIGHT interactive session event held on June 29th, panelists: Dr. Ulrich Rohde, Dr. James Breakall, Dr. Georg Karawas, and Dr. Ajay Poddar.



Fig. 1: AP/MTT, ED/CAS, AES, VT and SIGHT event held at NJIT on June 28th - The two speakers were Dr. James Breakall and Prof. Georg Karawas.



Figure 3: Photo at the IEEE MTT-S IMS (International Microwave Symposium) award event and AP-S Booth, at Denver Convention Centre, Colorado, June 20-23, 2022.

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

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

Figure 3 shows Photos taken at the IEEE MTT-S IMS (International Microwave Symposium) at the Denver Convention Centre, Colorado, June 20-23, 2022. Top figure shows the award ceremony held at IMS 2022 – Denver. The bottom left picture shows from left: Dr. Vladimir Okhmatovski (AP-S), Dr. Dominique Schreurs (MTT-S Past President), Dr. Ajay Poddar (North Jersey Section Chair), Kamran Ghorbani (MTT-S). The bottom right picture shows from left: Dr. Anding Zhu (MTT-S) Dr. Goutham Chattopadhyay (MTT-S MGA), Dr. Ajay Poddar (North Jersey Section Chair), Dr. Vladimir Okhmatovski (AP-S).

Figure 4 shows the screenshot of the MTT-S TC-10 hybrid meeting held in Denver during its flagship conference IMS 2022. Volunteers from Region 1 and Chapter officers from North Jersey Section will be participating in the SDC (Student Design Contest) at MTT-S ISMS 2023 in San Diego.

Action Items & Deadline

Call for Nominations: 2023 IEEE MGA Committee Member and Liaison Positions: Deadline 1 August 2022

The **IEEE Member and Geographic Activities (MGA) Nominations and Appointments (N&A) Committee** is soliciting nominations for 2023 MGA committee member and liaison positions. These include:

MGA Committee Chair

- 2026 Sections Congress Committee Chair

MGA Committee Members

- IEEE Admission and Advancement Committee
 - Each Region Director appoints one member
- MGA Awards and Recognition Committee
- MGA Chapter Operations Support Committee
- MGA Operations Manual Compliance Committee
- MGA Geographic Unit Operations Support Committee
- MGA IEEE.tv Advisory Committee
- MGA IT Coordination and Oversight Committee
- IEEE Life Members Committee
- MGA Member Benefits Portfolio Advisory Committee
- MGA Nominations and Appointments Committee
- MGA Potentials Editorial Board
- MGA Sections Congress Committee
- MGA Strategic Planning Committee
- MGA Student Activities Committee
- MGA Training Committee
- MGA vTools Committee
- IEEE Women in Engineering Committee
- IEEE Young Professionals Committee

MGA appointments to other organizational unit boards/committees

- IEEE Conferences Committee
- IEEE Educational Activities Board (EAB)
- IEEE Publication Services and Products Board (PSPB)
- IEEE TAB/PSPB Products and Services Committee

Each IEEE Region is encouraged to submit nominations to help ensure that MGA is globally balanced. Self-nominations are encouraged.

The deadline to submit nominations is 1 August 2022.

Use the link below to access the nominations portal. Sign in with your IEEE account username and password. If you are on IEEE Awards page, go to "My Nominations" page located under the "Login" tab.

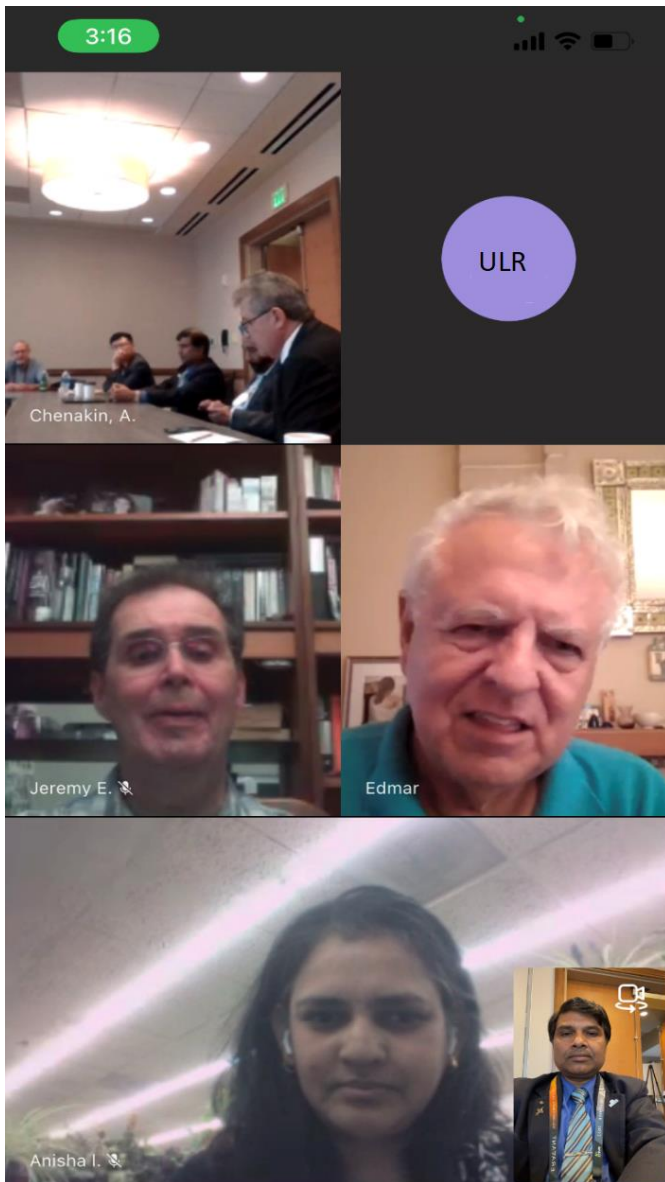


Figure 4. The photo shows the MTT-S TC-10 hybrid meeting held in Denver. June 22, 2022. Top left shows the in-person meeting chaired by Dr. Alexandre Chenakin. Dr. Ajay Poddar, Prof. Steve Maas, Dr. Bert Henderson, Dr. Amarpal Khanna, Dr. Deukhyoun Heo were present in-person for the meeting. Dr. Ulrich L. Rohde, Dr. Anisha Apte from North Jersey Section USA, Prof. Jeremy Everard from UK, and Dr. Edmar Camargo, joined the meeting remotely on June 22, 2022.

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

Nominate yourself or a colleague now.

Click [here](#) to learn more about IEEE MGA Nominations and Appointments (N&A) process. Send questions to mga-noms@ieee.org

Announcing the 2022 Volunteer Leadership Training Program

Ready to apply? Click the link below to begin your application. [Apply Now](#)

The MGA Training Committee is pleased to announce the launch of the **2022 Volunteer Leadership Training (VoLT) Program**. The VoLT Program invites volunteers who have a desire to continue growing as IEEE volunteers and lead their local units to complete the program's prerequisite courses, and apply for the program.

To date, over 430 volunteers representing all ten IEEE Regions, and over 150 Sections, have graduated from the VoLT Program. As a testament to its success, graduates are taking positions of leadership with their local operational units and beyond.

Prerequisite Courses & Other Requirements

To be considered for the program, candidates are required to complete the eight prerequisite courses that cover the core organizational units of IEEE and provide foundational knowledge of the organization. Log into the [IEEE Center for Leadership Excellence \(CLE\)](#) to access the courses. For complete application requirements, see our [Application Checklist](#).

Application & Key Dates

Applications will be accepted from **1 June 2022** through **30 July 2022**. In addition to their applications, candidates must have completed the eight prerequisite courses and submitted their endorsements by the application deadline in order to be considered for a seat in this year's program.

Candidates will be notified of their application status in mid- to late-August 2022. The program starts September and ends December. During the program, participants will attend weekly

virtual webinars focused on leadership topics. Participants will have a mentor, and work on a project in their assigned teams. If you are ready to apply, click [here](#) to begin your application. For more information about the program, please visit us in the CLE.

Fig4. The photo shows the MTT-S TC-10 hybrid meeting held in Denver, June 22, 2022. Top left shows the in-person meeting chaired by Dr. Alexandre Chenakin. Dr. Ajay Poddar, Prof. Steve Maas, Dr. Bert Henderson, Dr. Amarpal Khanna, Deuk were also present in-person for the meeting. Dr. Anisha Apte from North Jersey Section USA, Prof. Jeremy Everard from UK, Dr. Edmar Camargo, and Dr. Ulrich L. Rohde joined the meeting remotely on June 22, 2022.

IEEE AP-S Ulrich L. Rohde Humanitarian Project Award Call for Proposal

IEEE AP-S SIGHT are currently offering a **special Call for Proposals to support AP-S Chapter projects** that utilize AP-S-relevant technology to address local community challenges. The Call is open through 15 June 2022. Ulrich L. Rohde Humanitarian Project Awards of up to US\$10,000 will be made to selected projects on pressing issues challenging an underserved community. For detail information, contact Dr. Anisha Apte (anisha_apte@ieee.org), member AP-S SIGHT and elected IEEE AP-S AdCom member, 2022-2024.

Our section will continue to support STEM activities and promote DEI and address humanitarian cause within the boundaries of the IEEE.

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 productive time ahead.

IEEE North Jersey Section Chair

Ajay Poddar

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- [This Month's Communications Society News from Around the World](#)
- [“Wind Turbine Blades” - An article by Harry Roman for the May Newsletter](#)

Wind Turbine Blades-What to do with Discarded Ones?

There are probably over 58,000 wind turbines in the U.S., with an estimated 3,000+ more planned to be erected by the end of this year. Turbine blades need to be replaced as frequently as every 10 years due to natural deterioration, damage or upgrades. As more turbines go up, it becomes a major issue to deal with so much bulky turbine blade waste.

The current process for getting rid of these blades is to cut them into manageable pieces, pile them up, and cover them with dirt like a mass grave. In the U.S. alone, about 8,000 will be removed in each of the next four years. Over 2 million tons of wind turbine blades will need to be disposed of by 2050.

For wind energy, strong, yet lightweight fiberglass blades allow turbine blades to spin more efficiently and produce more output than other materials; but as a glass composite, they resist biodegrading over time, and are challenging to recycle. Maybe better blade materials could be used to give them a longer life in the first place, thus reducing the landfill needs until a solution can be found. Might the big blades be simply chopped up for some kind of re-use later?

Sounds like this could be a great collegiate challenge, a national contest by wind turbine manufacturers to solve a real problem and perhaps also to interest young engineers in a career in the wind industry. Might IEEE see this as an appropriate green energy challenge

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for electrical engineering students...maybe working in concert with mechanical engineering students from ASME? What would you do with old wind turbine blades?

Talk to you again soon...

Harry

Harry T. Roman, Life Senior Member

Author & Advisor, Edison Innovation Foundation

(Retired-PSE&G Co.) (htroman49@aol.com)



GRADUATE SCHOOL VIRTUAL OPEN HOUSE!

Wednesday, July, 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

Offers 6 Masters of Science (MS) Programs

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

Scan Zoom Registration



Scan Grad Program Info





Calendar of Events

Current Events

Date and Time	Event Title, Hosts and other Details
01 Jun 2022 06:00 PM to 08:30 PM	<p>IEEE North Jersey Section EXCOM - Zoom Meeting 6:30 PM</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)</p>
14 Jun 2022 12:00 PM to 01:00 PM	<p>Reconfigurable Acoustic-Wave-Resonator-Based RF filtering Architectures for the Next Generation of Multifunctional Wireless Systems</p> <p>Sponsor/Co-Sponsors: North Jersey Section, and Jt Chapter, AP03/MTT17, CAS04/ED15, SIGHT177 PHO36, VT06 Location: vTools Registration Link, External Meeting/Registration Link Contact: Ajay Poddar (akpoddar@ieee.org), Durga Misra (dmisra@njit.edu), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org) Speakers: Prof. Dimitra Psychogiou of Department of ECE, Texas Tech University, USA</p>
16 Jun 2022 06:00 PM to 07:30 PM	<p>History and Future of Radar and EW (Virtual Lecture)</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter AP03/MTT17, Long Island Section Chapters CAS04, SP01 Location: vTools Registration Link, Zoom Meeting Link - To be provided to registered attendees Contact: Ajay Poddar (akpoddar@ieee.org), Colotti (colotti@telephonics.com), JD (jd_professor@yahoo.com) Speakers: Lorenzo Lo Monte, PhD</p>
26 Jun 2022 09:00 AM to 12:00 PM	<p>Advanced FPGA technologies short course Session 1 hosted at Tizi Ouzou U. Algeria</p> <p>Sponsor/Co-Sponsors: North Jersey Section, Chapter AES10 Location: vTools Registration Link, Zoom Meeting Link Meeting ID: 885 5038 3394 Contact: Cherif Chibane (cherif.chibane@ieee.org) Speakers: Prof. Cherif Chibane of AuresTech Inc.</p>
27 Jun 2022 09:00 AM to 12:00 PM	<p>Advanced FPGA technologies short course Session 2 hosted at Tizi Ouzou U. Algeria</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AES10 Location: vTools Registration Link, Zoom Meeting Link Meeting ID: 885 5038 3394 Contact: Cherif Chibane (cherif.chibane@ieee.org) Speakers: Prof. Cherif Chibane of AuresTech Inc.</p>
28 Jun 2022 09:00 AM to 12:00 PM	<p>Advanced FPGA technologies short course Session 3 hosted at Tizi Ouzou U. Algeria</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter AES10 Location: vTools Registration Link, Zoom Meeting Link Meeting ID: 885 5038 3394 Contact: Cherif Chibane (cherif.chibane@ieee.org) Speakers: Prof. Cherif Chibane of AuresTech Inc.</p>

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

28 Jun 2022 05:00 PM to 07:30 PM	<p>Nikola Tesla – The Pioneer who Paved the Road to the Electrical World as We Know It</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter AP03/MTT17, CAS04/ED15, AES10, VT06, SIGHT177 Location: ECEC-202, 154 Summit Street, Newark, NJ 07102, Click here for Map, vTools Registration Link, Contact: Ajay Poddar (akpoddar@ieee.org), Durga Misra (dmisra@njit.edu), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org)</p> <p>Speakers: Prof. James K. Breakall of Penn State University Dr. Georg Karawas</p>
29 Jun 2022 12:00 PM to 02:00 PM	<p>Nikola Tesla – The Pioneer who Paved the Road to the Electrical World as We Know It-2</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter AP03/MTT17, VT06, SIGHT177 Location: 201, McLean Boulevard, Paterson, NJ 07504, vTools Registration Link, Contact: Ajay Poddar (akpoddar@ieee.org), Durga Misra (dmisra@njit.edu), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org)</p> <p>Speakers: Prof. James K. Breakall of Penn State University Dr. Georg Karawas</p>
07 Jul 2022 05:00 PM to 06:30 PM	<p>Absorptive Frequency-Selective Structures - AP-S DL Talk</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter AP03/MTT17, SIGHT177, CAS04/ED15 Location: ECEC-202, 161 Warren Street, Newark, NJ 07102, Click here for Map, vTools Registration Link Contact: Ajay Poddar (akpoddar@ieee.org), Durga Misra (dmisra@njit.edu), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org)</p> <p>Speakers: Prof. Zhongxiang Shen of School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore</p>
22 Jul 2022 08:30 AM to 05:00 PM	<p>One-Day Summer Camp for Female High School Students: SHE in ECE</p> <p>Sponsor/Co-Sponsors: North Jersey Section Jt Chapter CAS04/ED15, AP03/MTT17, SIGHT177, WiE Location: vTools Registration Link, Link to External Registration Meeting ID: 890 6781 1667 Contact: Ajay Poddar (akpoddar@ieee.org) Speakers: Multi-Speakers event</p>

Past Month's Events – May 2022 Events

Date & Time	Title
01 May 2022 02:30 PM To 06:00 PM	<p>2022 IEEE North Jersey Section Awards Banquet</p> <p>Sponsor/Co-Sponsors: R10327 - North Jersey Section Location: Birchwood Manor, 111 North Jefferson Road, Whippany, NJ 07981 Required - vTools Registration Link Contact: Ajay Poddar (akpoddar@ieee.org) Speakers: Eduardo (Ed) Palacio, 2022 IEEE USA President, Ajay Poddar, IEEE North Jersey Section Chair</p>
05 May 2022 02:00 PM To 03:00 PM	<p>Mastering EVM: Optimizing to Industry Standards: and Testing HDMI 1.4b / 2.1 interfaces with oscilloscopes</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter/Jt Chapter - AP03/MTT17, CAS04/ED15, EMB18 Location: Required vTools Registration For Joining: Virtual Event Link Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Durga Misra (dmisra@njit.edu), Har Dayal (dayalhar@gmail.com) Speakers: Martin Lim of Rohde & Schwarz; Johannes Ganzert of Rohde & Schwarz</p>
07 May 2022 10:00 PM To 08 May 2022 12:30 AM	<p>IEEE AP-S SIGHT/COPE Meeting</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapter/Jt Chapter - AP03/MTT17, SIGHT177 Location: Required vTools Registration For Joining: Virtual Event Link – Will be provided to registered attendees Contact: Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Har Dayal (dayalhar@gmail.com) Speakers: Prof. GS Mani, Dr. Manjusha Mungi</p>

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10 May 2022 12:00 PM To 01:00 PM	<p>Silicon-Based mm-Wave phased arrays for 5G: Fundamentals to future trends</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapters, AP03/MTT17, CAS04/ED15, SIGHT, PH06, VT06</p> <p>Location: Virtual Meeting Link, Required: vTools Registration Link</p> <p>Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Durga Misra (dmisra@njit.edu),</p> <p>Speaker: Dr. Bodhisatwa Sadhu of RF/mm-wave Communication Circuits & Systems Group at IBM T. J. Watson Research Center, Yorktown Heights, NY, USA,</p>
12 May 2022 01:00 PM To 02:00 PM	<p>Versatile 5G FR2 over-the-air antenna characterization at your benchtop</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapters, AP03/MTT17, CAS04/ED15, SIGHT, PH06, VT06</p> <p>Location: Virtual Meeting Link, Required: vTools/External Registration Link</p> <p>Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Durga Misra (dmisra@njit.edu), Har Dayal (dayalhar@gmail.com)</p> <p>Speaker: Prof. Fabien Ferrero of Université Côte d'Azur, Günter Pfeifer of Rohde & Schwarz</p>
13 May 2022 09:00 AM To 11:00 AM	<p>Visual Inspection AI, Transform manufacturing quality, Computer Vision for Workplace Safety</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapters, PE31/IA34/LM</p> <p>Location: Virtual Meeting Link, Required: vTools Registration Link</p> <p>Contact: Ronald Quade (rwquade@ieee.org)</p> <p>Speaker: Nehal Mehta, Sercan Esen</p>
16 May 2022 07:00 PM To 08:15 PM	<p>An Introduction to the IEEE 802 LAN/MAN Standards Committee:</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapters, COM 19, C16, New York Section Chapter, COM19</p> <p>Location: Zoom Meeting Link Meeting ID: 986 7976 4598, Required: vTools Registration Link 1000 River Road, Muscarelle Center, M105, Teaneck, NJ 07666</p> <p>Contact: Amit Patel (a.j.patel@ieee.org), Hong Zhao (zhao@fdu.edu), Z. Peng (zpeng@ccny.cuny.edu)</p> <p>Speaker: Paul Nikolich, partner in YAS Broadband Ventures LLC.</p>
17 May 2022 06:30 PM To 09:00 PM	<p>Future of Antenna Design Procedures and Characteristic Mode Analysis</p> <p>Sponsor/Co-Sponsors: NJ Coast/Princ/Central Jersey Sec Jt Ch, AP/VT/EMC, Princeton/Central Jersey Section Affinity Group, YP, North Jersey Section Jt.Ch, AP03/MTT17, Rutgers University</p> <p>Location: Virtual Meeting Link – provided to registrants, Required: vTools Registration Link</p> <p>Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Felomina Citarella (fcitarella@aol.com), Katalin.F.US@ieee.org, rutgers.ieee@gmail.com</p> <p>Speaker: Dr. Mahrukh Khan, Ph.D. of The College of New Jersey (TCNJ)</p>
20 May 2022 10:00 AM To 11:00 AM	<p>Load Matching for Community Solar</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapters, PE31/IA34/LM</p> <p>Location: Virtual Meeting Link, Required: vTools Registration Link</p> <p>Contact: Ronald Quade (rwquade@ieee.org)</p> <p>Speaker: Matt Brown</p>
21 May 2022 09:30 AM To 10:30 AM	<p>IEEE North Jersey Section: RAS Chapter and SMC Chapter joint seminar on Human-Robot Collaborative Learning of Human Welder Intelligence for Enhancing Human Welder Skills and Robotizing Complex Welding Processes</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapters, RA24, SMC28</p> <p>Location: 323 Dr Martin Luther King Jr Blvd, Newark, NJ 07102, Click here for Map, Required: vTools Registration Link</p> <p>Contact: Mengchu Zhou (zhou@njit.edu), X.W. Guo (x.w.guo@163.com)</p> <p>Speaker: Yuming Zhang</p>
24 May 2022 12:00 PM To 01:00 PM	<p>Live from Faraday's Lab! An Intuitive and Historical Perspective on Electromagnetism</p> <p>Sponsor/Co-Sponsors: North Jersey Section Chapters, AP03/MTT17, CAS04/ED15, SIGHT, PH06, VT06</p> <p>Location: Virtual Meeting Link, Required: vTools/External Registration Link</p> <p>Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Durga Misra (dmisra@njit.edu),</p> <p>Speaker: Prof. David Ricketts of Electrical and Computer Engineering at North Carolina State University</p>

2022 IEEE North Jersey Section Volunteers

Executive Committee

Chair – Ajay K. Poddar
akpoddar@synergymwave.com

First Vice-Chair – Hong Zhao
zhao@fdu.edu

Second Vice-Chair – Emad Farag
enfarag@ieee.org

Secretary – Adriaan J. van Wijngaarden
avw@ieee.org

Treasurer – Avimanyou Vatsa
avatsa@fdu.edu

Member-at-Large

Har Dayal – dayalhar@gmail.com

Kirit Dixit – kdixit@ieee.org

Anisha Apte – anisha_apte@ieee.org

Junior Past Chair – Yu-Dong Yao

Yu-Dong.Yao@stevens.edu

Senior Past Chair – Kalyan Mondal

mondal@fdu.edu

Society Chapters

Aerospace Electronic Systems

Chair – Cherif Chibane
cherif.chibane@gmail.com

Vice-Chair – Kirit Dixit kdixit@ieee.org

Antennas and Propagation / Microwave Theory and Techniques

Co-Chair – Ajay Poddar
akpoddar@synergymwave.com

Co-Chair – Edip Niver niver@adm.njit.edu

Co-Chair – Anisha Apte
anisha_apte@ieee.org

Circuits and Systems/Electron Devices

Chair – Durga Misra
dmisra@njit.edu

Communications

Chair – Amit Patel
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Computer

Chair – Hanna (Hong) Zhao
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Computational Intelligence Society

Chair: Prasenjit Bhadra
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Control Systems

Chair – David Haessig
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Electromagnetic Compatibility/Product Safety Engineering

Chair – Russell C. Pepe
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Engineering in Medicine and Biology

Chair – Har Dayal dayalhar@gmail.com

Industrial Applications

Chair – Ken Oexle
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Information Theory

Chair – Adriaan J. van Wijngaarden
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Instrumentation & Measurement

Chair – Russell C. Pepe
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Photonics

Chair – Naresh Chand
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Power & Energy

Co-Chair – Ronald W. Quade
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Co-Chair – Michael Miller
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Robotics & Automation

Chair - Naresh Chand
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Vice Chair - Shilpi Chakraborty
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Signal Processing

Chair – Alfredo Tan
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Social Implications of Technology

Chair – Kirit Dixit
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Systems, Man, and Cybernetics

Chair – Mengchu Zhou
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Technology & Engineering Management

Chair – Kirit Dixit
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Vehicular Technology

Chair – Ionel Bajescu nelu108@yahoo.com

Affinity Groups and Councils

Consultants Network

Co-Chair – Jim Julian
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Co-Chair – Jay Morreale
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Young Professionals

Chair – Larry Yang
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Women in Engineering

Co-Chair – Chitra Venkatraman
chitrav55@gmail.com

Co-Chair – Reena Dahle
reena.dahleh@gmail.com

LIFE Members

Co-Chair – Ken Oexle
k.oexle@ieee.org

Co-Chair – Michael Miller
michaelamiller8@gmail.com

Nanotechnology Council

Chair - Eui-Hyeok Yang
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North Jersey SIGHT Group

Chair – Anisha Apte
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Co-Chair – Dushyant Deshmukh
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Committees

Audit Committee

Co-Chair – Kalyan Mondal
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Co-Chair – Mani Iyer
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Awards & Recognitions

Co-Chair – Ken Oexle

k.oexle@ieee.org

Co-Chair – Adriaan J. van Wijngaarden
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Educational Activities

Co-Chairs

Donald Hsu – yanyou@hotmail.com

Kalyan Mondal – mondal@fdu.edu

Amit Patel – a.j.patel@ieee.org

Employment Network

Co-Chair – Chitra Venkatraman
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Co-Chair – Naresh Chand
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Government and Industrial Liaisons

Co-Chair – Art Greenberg

a.h.greenberg@ieee.org

Co-Chair – Russell C. Pepe
rcpepe@ieee.org

Group coordinator / History

Chair – Howard Leach
h.leach@ieee.org

Legal Activities

Chair – Vacant

Membership Development

Chair – Michael Newell
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MTT/AP Trade Show and Symposium

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