



THE IEEE NORTH JERSEY SECTION NEWSLETTER

VOL. 68, NO. 11

DECEMBER 2022

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

I would like to take this opportunity to express my gratitude that I have had the opportunity of serving as the Chair of our North Jersey Section during the past two years 2021-2022. Along with a wonderful team of ExCom and chapter officers and volunteers, our section has accomplished several accolades and made strides in spite of the adversities due to the ongoing pandemic.



EXCOM Officers (2021-2022)

Chair	Ajay Poddar
First Vice-Chair	Hong Zhao
Second Vice-Chair	Emad Farag
Secretary	Adriaan van Wijngaarden
Treasurer	Avimanyou Vatsa
Member-at-Large	Anisha Apte, Har Dayal, Kirit Dixit
Junior Past-Chair	Yu-Dong Yao
Senior Past-Chair	Kalyan Mondal

A glimpse into the past two years shows the following highlights:

Major Achievements

- Formation of New Chapters (2021-2022)
6-New Chapters/Group Addition in our Section
- Formation of IEEE North Jersey **SSIT** (Society on Social Implications of Technology) Chapter
- Formation of IEEE North Jersey **SIGHT** (Special Interest Group on Humanitarian Technology) Group
- Received \$3500 from AP-S for SIGHT/COPE Project at FDU (Fairleigh Dickinson Univ.)
- Received \$3500 from AP-S for SIGHT/COPE Project-NJ Girls Scout Events
- Formation of IEEE North Jersey **CIS** (Computational Intelligence Society) Chapter
- https://r1.ieee.org/northjersey/wp-content/uploads/sites/23/2022/12/IEEE_NNJ_Newsletter_2022_10_Nov.pdf Formation of IEEE North Jersey Section **NC** (Nanotechnology Council) Chapter
- Formation of IEEE North Jersey Section **Joint** Magnetic/UFFC/Sensor Council Chapter
- Formation of IEEE North Jersey Section **GRS** (Geoscience and Remote Sensing) Society NJITSBC
- Student Membership Drives: 150+ Student Members added
- IEEE **NJAC** (North Jersey Advanced Communication) Sym., Sept 17, 2022

- IEEE AP/MTT Symposium and Mini-Show, Oct 06, 2022
- AP, MTT, ED, CAS, CS, PE Chapters received Outstanding Chapter Awards
- Inter-Sections Collaborations lead to increase in number of events (student design contest, SIGHT/YP/WiE)
- Our efforts were recognized with the following tokens of appreciation:



The slate for the new ExCom members of the IEEE North Jersey Section for the term 2023-2024 was announced during the end-of-the-year dinner meeting held at the Hanover Manor.

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

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 received nominations for the Section's Elected Section Officer positions for the 2023-2024 term.

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](#)

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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 2023-24 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 was completed by Nov. 20, 2022, and the slate was presented during the end-of-the-year dinner meeting held on November 29th, 2022.

I extend a warm welcome to the incoming committee and wish them the best during their term. The new committee can always count on my help and support.

Figures 1, 2 and 3 and shows a few glimpses of this IEEE North Jersey Section's annual End-of-the-Year Dinner-Meeting Event.



Fig 1: North Jersey Section end-of-the-year dinner meeting event

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

A special thanks to Russell C. Pepe and Ken Oexle for organizing the event and the gifts for all our volunteers and officers. More than 65 attendees joined this event.



Fig. 2: Speaker Prof. Bharat Biswal



Fig. 3: North Jersey Section end-of-the-year dinner meeting event and guests

As seen in Fig. 4, Prof. Mandar Khurjekar of the IEEE Pune-Section gave a short presentation and both sections agreed to sign "MoU: North Jersey and Pune Section" to be sister-sections, with the interest to enable inter-section activities in the future.



Fig. 4: Prof. Mandar Khurjekar giving presentation on Nov. 29th

During my visit to the Pune section, this MoU was signed on December 5th, 2022 during the 11th ExCom meeting of IEEE Pune Section.

Both sections agreed to collaborate on some of the following areas:

1. Humanitarian Activities
2. Pre - University Education
3. STEM to STEAM initiatives
4. Faculty and Student Exchange Programs
5. Training (Technical and Non-Technical)
6. Conferences, Seminar, Events and Activities etc.
7. Initiatives by Special Interest Groups

IEEE Pune Section has also extended special thanks to Dr. Ing - Habil Ajay Kumar Poddar Chair North Jersey Section, Bala Prasanna Director R1, Deepak Mathur Director R10, Prof G S Mani, Mandar Khurjekar, Dr. Neha Sharma, Dinanath Kholkar and the entire executive committee of IEEE Pune Section

Select few photos and update shared on the IEEE Pune section LinkedIn handle can be found here:

https://www.linkedin.com/posts/ieeepunesection_during-the-11th-execom-meeting-of-ieee-pune-activity-7005907635111649280-6rqQ?utm_source=share&utm_medium=member_ios

A few pictures taken during this event are shown in Figures 5, 6 and 7 below:



Fig. 5: IEEE Pune Section – Signing MoU at the ExCom meeting
From Left: Prof. G.S. Mani, Mr. Girish Khilari, Dr. Ajay Poddar, and Dr. Charlotte Blair



Fig. 6: IEEE Pune Section – Signing MoU at the ExCom meeting



Fig. 7: IEEE Pune Section ExCom meeting, Dec. 5th, 2022

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 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.

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 holiday season and a successful, prosperous and healthy new year 2023!

- Ajay Poddar, IEEE North Jersey Section Chair

You do not have to be an IEEE member, but prior registration is encouraged to attend any event. [IEEE North Jersey Section Website](https://r1.ieee.org/northjersey) [The Section Executive Committee Roster](#)

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- **This Month's Communications Society News from Around the World**
- **“Reddy Kilowatt” - An article by Harry Roman for the December Newsletter**

Remembering Reddy Kilowatt - the electrical servant

Reddy Kilowatt's charm and magnetism made him a household name across America for six decades. But now, the retired energy company mascot is mostly a memory and object of eBay auctions. Reddy was created in 1926 when Ashton B. Collins Sr. of Alabama Power saw a bolt of lightning that looked like a little man. Collins drew a spunky caricature that became an adored symbol of electricity to children and adults.

His cartoon-like image was everywhere electricity and electrical appliances were advertised or promoted. Today Reddy Kilowatt is owned and licensed by Xcel Energy. And although only a handful of companies still use Reddy Kilowatt in their marketing, the almost 100-year-old is still a popular character among the people who remember him. Lamps, clocks, war bonds, cuff links and light switch covers featuring Reddy Kilowatt's image are available on eBay. This lovable image has managed to remain current, making appearances in Instagram, Twitter, Facebook and Pinterest.

In the 1940's famed illustrator Walter Lantz [of the Woody Woodpecker cartoon animations] and his talented staff gave Reddy a modern look, with a variety of facial expressions. By the 1960's about 300 utility companies purchased licenses to use the image. Some short films featured Reddy; and a song about him also was composed. Many public service pamphlets and booklets were purchased by utility companies for distribution to schools and civic / fraternal organizations. I often distributed them when I gave public lectures during my 36 years at PSE&G.

By the 1960's / 1970's, Reddy transformed from his promotion of electricity to a sponsor of environmental stewardship and energy conservation, showing the image of a servant planting seedlings and installing energy efficient lighting ... quite a change. I have a 1950's plastic version of Reddy, standing atop an electric outlet cover, resting not far from where I am writing this article. Prior to its current position, it was on my office desk at PSE&G for many years. My model glows in the dark-most appropriate, don't you think.

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)



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

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 for the month of December

Date	Event Title, Hosts and other Details
02 Dec 2022 06:30 PM to 8:00 PM	<p>Sustainability and Connected Autonomy: A New Era for Aviation:</p> <p>Sponsor/Co-Sponsors: NJ Coast/Princ/Central Jersey Sec Jt. Ch, AP/VT/EMC, New Jersey Coast Section Jt. Chapter, AES10/TEM14, North Jersey Section Jt. Chapter, AP03/MTT17</p> <p>Location: vTools/External Registration Link, Join WebEx meeting https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m576592071abb1d4a745e2b01841d1da3 Meeting number: 2532 710 0432, Meeting password: cmQ2e4sbwn5</p> <p>Contact: Neerja Sharma (sharmaneerja100@gmail.com), Ajit Reddy (ajitk_Reddy@yahoo.com), Anisha Apte (anisha_apte@ieee.org)</p> <p>Speakers: Presenters are a team of engineering students from Carnegie Mellon University, Pittsburgh, PA</p>

09 Dec 2022 09:00 AM to 02:00 PM	North Jersey Research Student Conference 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: Philip Pong (philip.pong@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.
09 Dec 2022 07:00 PM to	IEEE Power and Energy Society Mentoring Initiative: 360 deg. Mentoring: An Organic Fertilizer for your Career to Grow and Flourish: Sponsor/Co-Sponsors: IEEE Power & Energy Society, North Jersey Section Affinity Group, WiE Location: vTools/External Registration Link , Virtual Meeting Link will be sent to registrants only Contact: Chitra Venkatraman (chitrav55@gmail.com), Anisha Apte (anisha_apte@ieee.org) Speakers: Chitra Venkatraman of North Jersey Section WiE
10 Dec 2022 09:00 AM to 11:30 AM	2022 IEEE Stevens Undergraduate and Graduate AI Symposium (IEEE SUGAIS-2022) Sponsor/Co-Sponsors: North Jersey Section Location: vTools Registration Required , Zoom Meeting ID: 5068754099 Contact: Yu-Dong Yao (yao@stevens.edu) Speakers: The symposium consists of several presentations, covering various topics in AI, big data, machine learning, deep learning, and applications. The presentations are based on undergraduate research, graduate research, or class projects.
16 Dec 2022 09:00 AM to 02:00 PM	MV & HV Cable Systems - Online Partial Discharge Cable Assessment Testing & Permanent PD Monitoring Sponsor/Co-Sponsors: North Jersey Section PE31 PES / IAS / LM Joint Meeting Location: vTools/External Registration Link , PSE&G, Hadley Road Facility, Auditorium, 4000, Hadley Road, South Plainfield, NJ 07080 Contact: Ronald Quade (RWQuade@ieee.org) Speakers: Mark Brown, and John Ganson of Doble Engineering

Past Month's Events – for the month of November

Date	Event Title, Hosts and other Details
01 Nov 2022 09:00 AM to 03:00 PM	RF Fundamentals-Full Day Seminar 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
02 Nov 2022 12:00 PM to 01:00 PM	Compact and efficient automotive radar sensor testing 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
02 Nov 2022 06:30 PM to 08:30 PM	IEEE North Jersey Section EXCOM - Zoom Meeting 6:30 PM November 2nd, 2022 Sponsor/Co-Sponsors: North Jersey Section Location: vTools Registration Link , Zoom Meeting Link Meeting ID: 89067811667 Contact: Ajay Poddar (akpoddar@ieee.org), Adriaan van Wijngaarden (avw@ieee.org), Hong Zhao (zhao@fdu.edu)

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02 Nov 2022 06:30 PM to 08:30 PM	Inter-Section Joint Collaboration Initiatives: IEEE R1 North Jersey Section and IEEE R10 Pune Section 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.
03 Nov 2022 11:00 AM to 12:30 PM	IEEE AP-S can contribute to the use of wireless technology for the developing world: A brainstorming session 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
03 Nov 2022 06:30 PM to 08:00 PM	VDL - Connecting Space Assets to the Internet: Challenges and Solutions 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 Atiquzzaman, Ph.D.
07 Nov 2022 03:00 PM to 09:00 PM	Developing Digital RF Memories and Transceiver Technologies for Electromagnetic Warfare Seminar 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 (amitjpatel@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
08 Nov 2022 12:00 PM to 01:00 PM	Automotive Radar - From First Efforts to Future Systems 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
11 Nov 2022 09:00 AM to 02:00 PM	Transformers - Liquid Filled Transformer Design and Construction & Factory Acceptance Tests 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
14 Nov 2022 01:00 PM to 02:00 PM	Edge Computing and Communication Systems for Video Analytics Applications 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.

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</p> <p>Location: vTools External Registration Link, NJIT, ECE 202, 154 Summit Street, Newark, NJ 07102</p> <p>Contact: Durga Misra (dmisra@ieee.org), Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu)</p> <p>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>
28 Nov 2022 04:00 PM to 06:30 PM	<p>Where Have Optical Networks Been, Where Are They Now, Where Are They Going, and Why?</p> <p>Sponsor/Co-Sponsors: North Jersey Section Ch, PHO36, AP03/MTT17, RA24, North Jersey/New York Jt Section Ch., IT12, R103 - Metro Sec. Act. Council</p> <p>Location: vTools/External Registration Link, Nokia Bell Labs, Main Building Room: 6A-106, 600 Mountain Ave Murray Hill, NJ 07974</p> <p>Contact: Naresh Chand (nchand@ieee.org, +1 908 723 7001) (local contact at event) Adriaan J. van Wijngaarden (avw@ieee.org) Ajay Poddar (akpoddar@ieee.org), Anisha Apte (anisha_apte@ieee.org), Edip Niver (edip.niver@njit.edu)</p> <p>Speakers: Ed Harstead of Nokia</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</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)</p> <p>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</p> <p>Location: vTools Registration Link, Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936,</p> <p>Contact: Ajay Poddar (akpoddar@ieee.org), Russell C. Pepe (russell.pepe@atml.com) Kenneth Oexle (k.oexle@verizon.net)</p> <p>Speakers: Prof. Bharat Biswal, Topic: Advances in Medical Imaging in the Era of Big Data</p>

2022 IEEE North Jersey Section Volunteers

Executive Committee

Chair – Ajay K. Poddar
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First Vice-Chair – Hong Zhao
 zhao@fdu.edu
Second Vice-Chair – Emad Farag
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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
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Circuits and Systems/Electron Devices

Chair – Durga Misra dmisra@njit.edu
Vice Chair – Shaahin Angizi
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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

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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
 zhou@njit.edu

Technology & Engineering Management

Chair – Kirit Dixit
 kdixit@ieee.org

Vehicular Technology

Chair – Ionel Bajescu nelu108@yahoo.com

Affinity Groups and Councils

Consultants Network

Co-Chair – Jim Julian
 consultant@jimjulian.com
Co-Chair – Jay Morreale
 p-brane@p-brane.com

Young Professionals

Chair – Larry Yang
 larry.yang@alcatel-lucent.com
 Patrick Beesley (Patrick.Beeslev@se.com)

Women in Engineering

Co-Chair – Chitra Venkatraman
 chitrav55@gmail.com
Co-Chair – Reena Dahle
 reena.dahleh@gmail.com
Co-Chair – Ratna Raj (ratna.raj@njit.edu)

LIFE Members

Co-Chair – Ken Oexle
 k.oexle@ieee.org
Co-Chair – Michael Miller
 michaelamiller8@gmail.com

Nanotechnology Council

Chair – Eui-Hyeok Yang
 ehyang@ieee.org

North Jersey SIGHT Group

Chair – Anisha Apte
 anisha_apte@ieee.org
Co-Chair – Dushyant Deshmukh
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Committees

Audit Committee

Co-Chair – Kalyan Mondal
 mondal@fdu.edu

Co-Chair – Mani Iyer
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Awards & Recognitions

Co-Chair – Ken Oexle - k.oexle@ieee.org
Co-Chair – Adriaan J. van Wijngaarden
 avw@ieee.org

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
 chitrav55@gmail.com
Co-Chair – Naresh Chand
 chandnaresh@gmail.com

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
 msnewell@ieee.org

MTT/AP Trade Show and Symposium

Chair – Kirit Dixit
 kdixit@ieee.org
Vice-Chair – Har Dayal
 dayalhar@gmail.com
TPC Co-Chair – George Kennall
 gkk@lgsinnovations.com
TPC Co-Chair – Ajay Poddar
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Newsletter

Chair – Anisha Apte anisha_apte@ieee.org

Nominations and Appointments

Kalyan Mondal mondal@fdu.edu
 Durga Misra dmisra@njit.edu
PACE

Chair – Russell C. Pepe
 rcpepe@ieee.org

Co-Chair – Paul E. Ward
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Pre-University Activities

Co-Chair – Chitra Venkatraman
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Program Review Committee

Yu-Dong Yao –
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 Hong Zhao – zhao@fdu.edu
 Emad Farag – enfarg@ieee.org

Student Activities

Chair – Hong Zhao zhao@fdu.edu

Student Representative Committee

Chair – Kalyan Mondal mondal@fdu.edu

Webmaster

Co-Chair – Adriaan J. van Wijngaarden
 avw@ieee.org
Co-Chair – Avimanyou Vatsa
 avatsa@fdu.edu

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