

IEEE North Jersey Section

IEEE North Jersey Section

VOL. 71, NO. 05 Issue: May 2025

Prior registration is highly encouraged to attend any event

IEEE North Jersey Section Website

IEEE North Jersey Section - Roster





Chair's Note - A Message from the IEEE North Jersey Section Chair, Dr. Emad Farag

We are fortunate to live in an area rich with renowned technical institutions—both in industry and academia. Many groundbreaking technologies that have transformed our lives, and the lives of billions around the world, originated right here. From the light bulb, the photograph, and the movie camera to cellular communications, the transistor, and countless other innovations, this area has long been a cradle of invention.

That tradition of innovation continues today through the remarkable work and achievements of our members. On May 4th, we held our annual Awards Banquet, where we had the honor of recognizing two IEEE Fellows, recipients of IEEE Region 1 Awards, IEEE MGA Awards, IEEE Society Awards, and IEEE Section Awards. We also celebrated new inductees into the IEEE-HKN honor society and welcomed our newly elevated Senior Members. We proudly commend the IEEE North Jersey Section members who have demonstrated outstanding technical contributions and service to the engineering profession.

Our section remains highly active, leading a broad spectrum of initiatives—from advanced technical presentations and student outreach to educational programs that help elevate the technical excellence of our community.

On Saturday, April 12th, the section proudly sponsored the MakeNJIT Hackathon. The event was a great success, filled with innovation, collaboration, and impressive projects from students across the region. We also sponsored the Stevens Micromouse team, who took first place at the 2025 IEEE Region 1/Region 2 Micromouse Competition. Not only did they win—they set a new record, completing the maze in just 19 seconds, the fastest time in the history of the competition.

Remember, your involvement is what powers our success. Whether you are organizing events, attending them, or engaging in discussions, your contributions make a real impact. I encourage you to stay connected via our newsletter and your email for updates on upcoming events and opportunities to participate.

Thank you for your continued dedication and support. Let's keep working together to make a difference.

Emad Farag,

IEEE North Jersey Section Chair

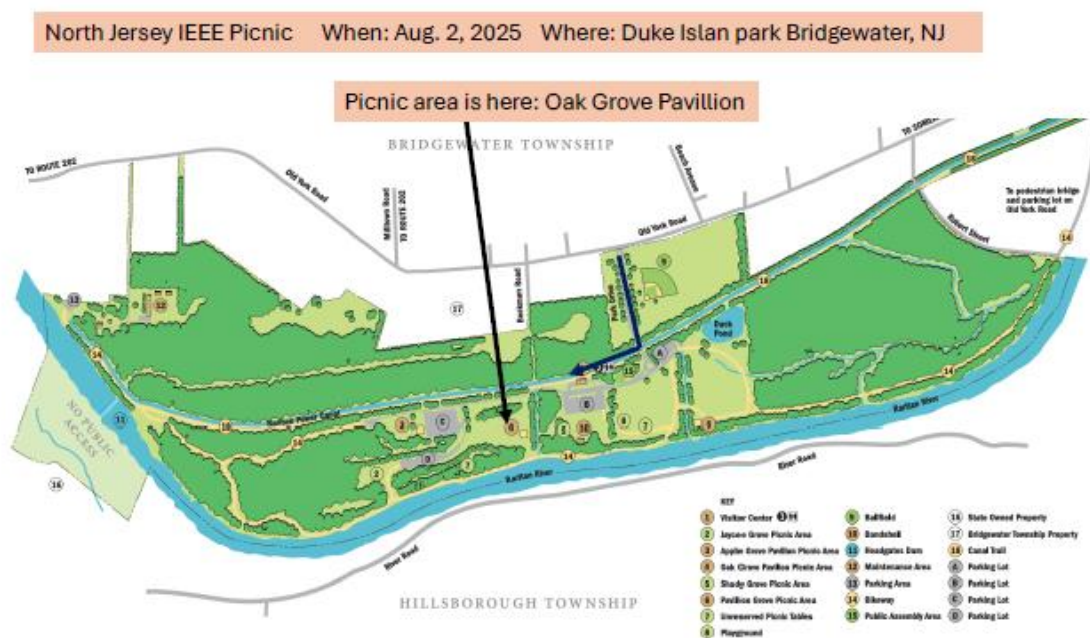
Schedule for the 2025 ExCom Meetings:

Month	Meeting Date	Venue
January	Wed: 08-Jan-25	Zoom Meeting
February	Wed: 05-Feb-25	Fairleigh Dickinson University, Teaneck + Zoom
March	Wed: 05-Mar-25	NJIT, Newark + Zoom
April	Wed: 02-Apr-25	Montclair State University, Montclair + Zoom
May	Sun: 04-May-25	Awards Banquet: Hanover Manor (no Zoom)
June	Wed: 04-Jun-25	Zoom Meeting
August	Sat: 02-Aug-25	Picnic: Duke Island Park, Bridgewater (no Zoom)
September	Wed: 03-Sep-25	Fairleigh Dickinson University, Teaneck + Zoom
October	Wed: 01-Oct-25	NJIT, Newark + Zoom
November	Wed: 05-Nov-25	Nokia Bell Labs, New Providence + Zoom
December	Tue: 02-Dec-25	End of the year: Hanover Manor, East Hanover (no Zoom)

2025 IEEE North Jersey Section Picnic: August 2nd, 2025 at Duke Island Park in Bridgewater, NJ

#jersey #excom

Please come and join us for the IEEE North Jersey Section Picnic. This event will be held on Saturday August 2nd, 2025 at Duke Island Park in Bridgewater, NJ. You will find as Oak Grove Pavillion. Please come and join us



The IEEE North Jersey Section Annual Awards Banquet – May 04th, 2025

The North Jersey Section celebrated the awards and their recipients at the Birchwood Manor. Listed below are the awards citations, and a few pictures of the event.

2025 IEEE FELLOW AWARD

presented to

Robert Dent

For leadership in enriching the history of the electric power industry and contributions to its technology

2025 IEEE FELLOW AWARD

presented to

Thierry Klein

For contributions to communication and networking technologies in multiple vertical industry sectors

MGA / REGION-1 AWARDS

2024 IEEE Region 1 PROFESSIONAL AWARDS TECHNOLOGICAL INNOVATION (ACADEMIC)

presented to

Weitian Wang

For profound contributions to collaborative robotics, human-robot interaction and university, college, and pre-university education

ENHANCEMENT OF RELATIONSHIP BETWEEN IEEE & INDUSTRY

presented to

George Kannell

For Sustained Contributions to the IEEE North Jersey Section and for Strengthening its Relations with Industry

OUTSTANDING SUPPORT FOR THE MISSION OF IEEE

presented to

Jay Morreale

For outstanding contributions to the IEEE North Jersey Section, its Consultants Network and Pre-University Programs

Har Dayal

For a lifetime of sustained dedicated and wide-ranging service to the IEEE North Jersey Section and its Chapters

LIFE TIME SERVICE AWARD

WILLIAM TERRY DISTINGUISHED SERVICE AWARD

presented to

Michael Miller

For lifetime contributions to the IEEE New York and North Jersey Sections and its PES and IAS Chapters

VEGA COMMUNICATIONS SILVER AWARD

Presented to

Harry Roman

For Educational Digital Publication and Communication

IEEE TECHNICAL SOCIETY AWARDS

IEEE CIRCUITS AND SYSTEMS SOCIETY AWARD

IEEE CAS Regional Outstanding Chapter Award

presented to

Durga Misra – Chapter Chair

Shaahin Angizi – Chapter Vice-Chair

For its outstanding contributions, including organizing over 30 technical talks, a three-phase seasonal school, and significant outreach events

IEEE POWER & ENERGY SOCIETY (PES) AWARDS

IEEE Power & Energy Society

Frank Lambert Outstanding Medium Chapter Award

Presented to

Ronald Quade – Chair

Kenneth Oexle-Vice Chair

William Magerkurth – Treasurer Michael

Miller-Secretary and Regional Representative

For achieving excellence in providing the best set of overall programs and activities for its members

IEEE PES Outstanding Engineers & Volunteer Awards

Presented to

Michael Boulus

For Contributions in the Design, Specifications, Operations and Maintenance of Cutting-Edge Technologies for the Electric Power Grid

IEEE PES Outstanding Engineers & Volunteer Awards

Presented to

Shashikant Patel

For Leadership and Contributions in the Mentoring of Engineers in their Professional Growth and Development

IEEE PES Outstanding Engineers & Volunteer Awards

Presented to

Philip Pong

For Contributions and Leadership in Advancing Condition Monitoring in Power Systems and the Development of Renewable and Clean Energy Alternatives

IEEE LIFE MEMBERS AWARD

GLOBAL LIFE MEMBER

Presented to

Har Dayal

For 2024 IEEE Life Member Individual Service Award

GLOBAL LIFE MEMBER

Chapter Achievement Award 2024

Presented to

Michael Miller

For Service to the Life Members of the IEEE North Jersey Section of Region-1

IEEE SECTION Award

Presented to

Howard Leach

For notable services and contribution toward the advancement of IEEE and the Engineering Professions

IEEE SECTION Award (POSTHUMOUS)

Presented to

Prof. Donald Hsu

For appreciation of notable services and contributions toward the advancement of IEEE and the Engineering Professions

2025 Terra North Jersey Science Fair

IEEE North Jersey Section Young Engineer Award

Our chapter officers will visit each school over the next two months, and present these awards to the student award recipients

IEEE HKN (Eta Kappa Nu) Recently Inducted Members

Ken Oexle

Kirit Dixit

Ajay Poddar

Anisha Apte

IEEE NORTH JERSEY SECTION

CONGRATULATES ITS RECENTLY ELEVATED SENIOR MEMBERS

Last Name	First Name	Jain	Vishal
Agarwal	Garima	Last Name	First Name
Agrawal	Keshav	Jain	Souratn
Akhtar	Adeel	Jaiswal	Raj
Atla	Vijay Kumar Reddy	Kandula	Sheshananda Reddy
Avancha	Srikanthudu	Kapadia	Hemish
Awasthi	Ankit	Kaur	Jagbir
Awasthi	Varun	Landau	Stuart
Behera	Anshuman	Liu	Ping
Belal	Aatif	Macharla	Sriram
Bhadra	Prasenjith	Mane	Shirish
Das	BK Sarthak	Mirza	Vishal
Dasaraiahgari	Vamsikrishna	Mukhopadhyay	Atanu
Dasari	Gurunath	Nandini	Avani
de Valicourt	Guilhem	Ogunwobi	Emmanuel
Feng	Zhuo	Pamarthy	Sathyananda Kumar
Gahlot	Sarita	Pandey	Varun
Gandhi	Hina	Pareek	Chandra Shekhar
Goel	Karan	Patel	Akshar
Gupta	Sanket	Patel	Hiren Kumar
Gurumurthy	Dinesh	Patel	Pratik Kumar Bhupendra Bhai
Hassan	Sana Zia	Patel	Riddhi

IEEE North Jersey Section Newsletters

Pawale	Shreyas	Talluri	Durvasulu Mohan Babu
Polk	Craig	Telalwar	Sachin
Raj	Ratna	Tenorio	Santiago
Rajagopal	Sathya Prabu	Terletska	Khrystyna
Sadeh	Shani	Terli Jyothi	Siva Rama Krishna
Sathiyam	Swetha Priya	Thankachan	Karun
Sharma	Sumit	Tibrewala	Alok
Sheth	Arpita Ravindra	Tiwari	Vaibhavi
Srivastava	Vishwasaran	Voola	Pramod Kumar
Swamy	Abhilasha Hala	Zhu	Wei-Dong

We thank our following industry sponsors for participating in our section's award ceremony!!

*R&S Rohde & Schwarz
Micro-Com Sales,*

*Advanced Technical Marketing,
RS Microwave,*

Pendulum

Below are a few pics taken at the event:





For the full Award Booklet 2025 - [Click Here](#) –

For more pics of the event: [2025 IEEE North Jersey Awards Banquet Pictures](#)

Nuclear Power in the Home - *An article by Harry Roman*

Around 1955, the nation was seriously investigating the use of nuclear power for peaceful purposes. Many fascinating ideas came up for discussion and consideration. Today as we talk about a resurgence of nuclear power for the generation of electricity, I am reminded of an idea from 1955 to install small nuclear reactors in home basements to provide years of electricity, heat, and hot water to the home. It was to be a small nuclear reactor, with enough fuel to run for 6 years, occupying a space the size of 1-2 large storage batteries-- turned on at its manufacturing point and installed in homes. Clearly, this vision of atomic power was one of distributed generation, probably the first case of it in the industry.

Presumably, the "atomic boiler" as it was dubbed, would be "sunk" into the basement of a home and kept away from all other things, especially humans, treated like a special kind of "fire". Special service crews would monitor and make sure the miniature atomic reactor was functioning well, and they would also oversee its removal and replacement when needed.

Just recently I read an article proposing a neighborhood nuclear system to service a cluster of homes and businesses. The old concept from 1955 seems to be re-awakening. How interesting to ponder how the social, legal and environmental concerns of small modular reactors might shake out. Logically a whole lot less transmission/distribution facilities would be needed in the long run. Might a prototype system demo be in the offing? What do you think?

Talk to you again soon...

Harry T. Roman, Life Senior Member

Author & Advisor, Edison Innovation Foundation

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

IEEE North Jersey Section's Education Committee Technology Review Series:

- Article for May 2025

Introduction to Machine Learning - Part 2: Classification

The theme of this article is to introduce machine learning algorithms to address the set of classification problems. Logistic regression is used in the prediction of target variable values. The use of classifier versions of KNN, Decision Trees and Random Forests are applied as well to compare performance. Cross validation with multiple data subsets is used to produce higher quality results. Confusion matrix and classification reports are used to summarize.

Additional algorithms of a different variety of classifiers are examined. These include Adaboost and XGBoost. They are introduced to compare alternate ensemble methods to train models and make classification predictions on the same dataset. Alternate regressor implementations can be applied to regression problems as well and used in predicting continuous valued target variables.

https://ap20.github.io/nnj/NL/edutechrev/IntroMLPart2_classification.pdf

Contact: Amit Patel email: a.j.patel@ieee.org

IEEE-Supported Emerging Technologies Addressing Humanitarian Technology, Global Warming, and Green Energy Solutions | Stevens Institute of Technology

Panelists: Dr. Victor Lawrence, Dr. Jawad Siddiqui, Dr. Katherine August, and Dr. Ajay K. Poddar, IEEE Antennas and Propagation Society Chapter

Call for IMS Service Learning Projects

Design, build, and deploy sustainable solutions to solve local community challenges.

<https://epics.ieee.org/ias-call-for-proposals-25/>

The *Humanitarian Projects*, supported by the IEEE North Jersey Section AP/MTT Chapter, IEEE AP-S SIGHT, and IEEE AP-S COPE, are initiatives to foster multidisciplinary technological innovation among students and early-career professionals. These projects provide financial

support and structured mentorship to teams developing solutions that align with IEEE's mission of "advancing technology for humanity."

Interested IEEE AP-S Student Members and Faculty Advisors were encouraged to participate by forming project teams and submitting proposals via the designated *Call for Proposals* portal. All submitted projects must involve AP-S members, apply relevant antenna and propagation technologies, and address community-oriented challenges. Proposals should align with one of the four thematic pillars: Environment, Education and Outreach, Access and Abilities, or Human Services. Selected proposals will receive mentorship and financial support totaling up to USD 10,000.

The deadline for the submission of project proposals is May 1, 2025.

[Call for Proposals May 1 2025 - EPICS in IEEE](#). Stay tuned for the next Call for Proposals.

Some pictures of this event conducted at Stevens Institute of Technology are shared below.



MIDDLE SCHOOL AND HIGH SCHOOL OUTREACH EVENT – By Ratna Raj

In a joint effort to inspire the next generation of engineers, Women in ECE, alongside the IEEE student branch and SWE at NJIT, organized an outreach event for local high school and middle school students. We began with an engaging presentation designed to demystify ECE, highlighting its diverse applications and career paths, and inspiring the students to consider it as a potential college major.

To make the learning experience both engaging and hands-on, we organized a practical activity: building hand-cranked wind generators. Working in collaborative groups of three, the students learned about the principles of energy conversion while constructing their own functional generators. This activity not only demystified engineering concepts but also fostered teamwork and problem-solving skills.

The event was a resounding success, with the student's demonstrating enthusiasm and active participation. The hand-cranked wind generator activity proved to be a powerful tool for illustrating the real-world applications of ECE, and the girls left with a newfound appreciation for the field. We hope to have sparked a lasting interest in engineering among these future innovators.



MakeNJIT 2025

Hardware hackathon hosted at New Jersey Institute of Technology

Apr 12 – 13, 2025

The NJIT IEEE Student Branch held the annual MakeNJIT Hardware Hackathon, on April 12-13, 2025, supported by the IEEE North Jersey Section. As a student-led organization committed to advancing technology and promoting innovation in the engineering community, this exciting event challenged participants to showcase their skills in hardware development and software. Participants were tasked with incorporating electrical components and software to create projects with a focus on accessibility and sustainability. The projects were evaluated by a panel of industry experts who assessed their technical merit, originality, and overall impact.

Prizes: **\$3,000** in prizes First Place, **\$1,500 in cash** 1 winner Second Place, **\$1,000 in cash** 1 winner Third Place, **\$500 in cash** 1 winner
A few pictures from the event are shared below:



Below you'll find a selection of event photos and a list of the hackathon projects/winners:

- Event photos: https://drive.google.com/drive/folders/1OrUS10JgNmGvI5127NRDKGog_L2mYZ-G?usp=drive_link
- Projects/Winners: <https://docs.google.com/spreadsheets/d/17NJ24VIqK1N78NHn5KrZfM9PdPkYvB-bbwHKf8qtwsg/edit?gid=0#gid=0>
- Official Devpost Page: <https://makenjit-2025.devpost.com/>



THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC.

IEEE NORTH JERSEY SECTION
MTT-Society and AP-Society Joint Chapter
PRESENTS

39th ANNUAL SYMPOSIUM AND MINI-SHOW

FOCUS:

**SELECTED TOPICS IN RF AND MICROWAVE TECHNOLOGIES FOR
COMMERCIAL AND MILITARY APPLICATIONS**

DATE: THURSDAY, OCTOBER 9, 2025

PLACE: Hanover Manor, 16 Eagle Rock Ave., E. Hanover, NJ 07936. Ph#973-992-7425

SCHEDULE OF EVENTS

9:00 AM TO 4:30 PM

TECHNICAL SESSIONS

**10 –12 LECTURES FEATURING SPEAKERS FROM LEADING
COMPANIES, WITH EMPHASIS ON MILITARY ELECTRONICS,
WIRELESS TECHNOLOGIES AND MICROWAVE COMMUNICATIONS.**

**MINI SHOW FEATURING LATEST PRODUCTS
(APPX. 30-40 EXHIBITORS)**

(COMPLIMENTARY LUNCH SERVED)

**Details of the schedule and speakers and the topics will be posted on the IEEE North Jersey
section website by September 2023.**

Registration:

ATTENDEES: <https://events.vtools.ieee.org/m/482537>

EXHIBITORS: <https://events.vtools.ieee.org/m/473821>

For further information contact:

CHAIR - GENERAL-EXHIBITION: KIRIT DIXIT (201-669-7599), kdixit@ieee.org

**CHAIR – TECHNICAL PROGRAMS: GEORGE KANNELL (973-284-
3682), george.kannell@L3harris.com**

THERE IS NO CHARGE TO ATTEND THE SYMPOSIUM OR SHOW.

SAVE THE DATE



IEEE North Jersey Section Newsletters



SOME UPDATES FROM IEEE Women in Engineering

Summer Camp for Female Middle School and High School Students: SHE in ECE – JULY 1, 2025

FREE One-Day Summer Camp for Female Middle School and High School Students

Tuesday July 1, 2025
 Network and Activities 8:30 a.m. - Noon
 NJIT Campus and Lab Tours 1 - 3 p.m.

Participants will have the opportunity to meet female leaders in their field, ask questions and learn about career and academic options in the fields of electrical engineering and computer engineering.

Please register by June 15, 2025 at she.njit.edu.
 Contact Ryoko Mathes mathes@njit.edu or
 Teri Bass bass@njit.edu with any questions.

NJIT

Logos: IEEE, CAS, Greener by Design, NJIT, AP-S, MTT-S, IEEE, WIE 25 YEARS

2025 IEEE WIE DAY

Organize your IEEE WIE Day events from
 23 June - 7 July 2025

BE PART OF A GLOBAL CELEBRATION!

IEEE Women in Engineering was formally established on 29 June, 1997

wie.ieee.org

IEEE Women in Engineering (WIE) will celebrate the **2025 IEEE WIE Day** from 23rd June to 7th July 2025. The theme of this year's IEEE WIE Day is **"Pioneering Safe Cyberspace: Women Bridging Technology and Light for Security"**

If you have already signed up to be IEEE WIE Day Ambassadors you will play a key role in promoting, motivating, and engaging this global event.

If you are a WIE Day Ambassador, please introduce yourselves as Ambassadors in the **IEEE WIE Global Network**.

2025 IEEE WIE FORUM EAST



The IEEE Women in Engineering (WIE) Forum USA East is dedicated to fostering leadership development for professionals at every career stage. Rotating between IEEE Region 1 and Region 2 in the Northeast USA, our forum offers attendees the chance to gain inspiration and empowerment from renowned leaders. Through dynamic workshops and engaging panel discussions, participants will explore emerging technologies and innovative STEM outreach initiatives.



FDU
Gildart Haase School
of Computer Sciences
& Engineering

GRADUATE SCHOOL VIRTUAL OPEN HOUSE!

Tuesday, May 20, 2025, 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

Upcoming Events: May 2025 Onwards

Title	Date	Location
Software Defined Amateur Radio: Long Island Section Affinity Group, CN	01 May 2025 07:00 PM EDT	Virtual
2025 IEEE North Jersey Section Awards Reception: North Jersey Section	04 May 2025 03:00 PM EDT	Whippany, New Jersey
2025-Spring IEEE Metropolitan AI Applications Symposium (META) [Wednesday May 7th 2025 @12:00PM Zoom 506 875 4099] North Jersey Section	07 May 2025 12:00 PM EDT	Virtual
Data-Driven CSI Compression for MIMO Systems and Detecting Feedback Drift: New Jersey Coast Section Chapter, COM19	07 May 2025 06:30 PM EDT	Virtual
Digital Pre-Distortion Techniques for EVM: North Jersey Section Jt Chapter, AP03/MTT17	08 May 2025 02:00 PM EDT	Virtual
Robotics and AI Trip at Montclair: Montclair State Univ	09 May 2025 12:30 PM EDT	Montclair, New Jersey
Jersey Shore STEM Ecosystem Day at Museum Lunch w Leaders & Luminaries Project Echo, Telstar, CMB Big Bang 20 May: New Jersey Coast Section Jt. Chapter, IM09/C16	20 May 2025 10:00 AM EDT	Middletown, New Jersey
Day at Museum Lunch w Leaders & Luminaries Project Echo, Telstar, CMB Big Bang 20 May 2025 Careers in Technology: New Jersey Coast Section Jt. Chapter, IM09/C16	20 May 2025 10:00 AM EDT	Middletown, New Jersey
Talks: (1) Some Further Thoughts and ideas concerning the classical half-wave dipole antenna (2) The State-of-the-Art in Antenna-based Techniques for Mitigating Threats to the Global Positioning System (GPS), (3) HAARPP: North Jersey Section Jt Chapter, AP03/MTT17	20 May 2025 04:30 PM EDT	Newark, New Jersey

Empowering AI with Human Insight: Navigating Challenges and Opportunities in Responsible, Trustworthy, and Participatory AI Development: UK and Ireland Section Chapter, SIT30	12 Jun 2025 01:00 PM EDT	Virtual
Summer Camp for Female Middle School and High School Students: SHE in ECE: North Jersey Section Jt Chapter, CAS04/ED15	01 Jul 2025 08:00 AM EDT	Newark, New Jersey
2025 IEEE North Jersey Section Picnic: North Jersey Section	02 Aug 2025 01:00 PM EDT	Bridgewater, New Jersey
Women in AI Series 2025 - Empowering LLMs for Scalable and Efficient Machine Programming: Guixiang Ma: Lehigh Valley Section Affinity Group, WIE	23 Sep 2025 07:00 PM EDT	Virtual
39th Annual Symposium and Mini-Show - Exhibitor Registration Site: North Jersey Section Jt Chapter, AP03/MTT17	09 Oct 2025 08:30 AM EDT	East Hanover, New Jersey
39th Annual Symposium and Mini-Show - Attendee Registration Site: North Jersey Section Jt Chapter, AP03/MTT17	09 Oct 2025 08:30 AM EDT	East Hanover, New Jersey
Women in AI Series 2025 - Artificial Intelligence in Journalism: Christen Smith: Lehigh Valley Section Affinity Group, WIE	28 Oct 2025 07:00 PM EDT	Virtual
Women in AI Series 2025 - AI in Education: Dr. Paula Lauren: Lehigh Valley Section Affinity Group, WIE	25 Nov 2025 07:00 PM EST	Virtual

For Past Month's Events – APRIL 2025 - [Click Here](#)

2025 IEEE North Jersey Section Volunteers

Executive Committee

Chair:	Emad Farag enfarag@ieee.org
First Vice-Chair:	Anisha Apte anisha_apte@ieee.org
Second Vice-Chair:	Alfredo Tan tan@fdu.edu
Secretary:	Avimanyou Vatsa avatsa@fdu.edu
Treasurer:	Weitian Wang wangw@montclair.edu
Member-at-Large	Michael Miller michaelamiller8@gmail.com Adriaan van Wijngaarden avw@ieee.org Yu-Dong Yao: yyao@stevens.edu
Junior Past Chair:	Hong Zhao zhao@fdu.edu
Senior Past Chair:	Ajay K. Poddar akpoddar@ieee.org

Society Chapters

<i>Aerospace Electronic Systems</i>	AES10	Chair: Cherif Chibane cherif.chibane@gmail.com Vice-Chair: Kirit Dixit kdixit@ieee.org
<i>Antennas and Propagation./ Microwave Theory and Techniques</i>	AP03/MTT17	Co-Chairs: Ajay Poddar akpoddar@ieee.org Edip Niver niver@adm.njit.edu Vice-Chair: Anisha Apte anisha_apte@ieee.org Secretary: Vishal Kumar tovpoddar@gmail.com
<i>Circuits and Systems/ Electron Devices</i>	CAS04/ED15	Chair: Durga Misra dmisra@njit.edu Vice Chair: Shaahin Angizi shaahin.angizi@njit.edu
<i>Communications</i>	COM19	Chair: Amit Patel a.j.patel@ieee.org
<i>Computer</i>	C16	Chair: Hong Zhao zhao@fdu.edu Vice Chair: Tao Han tao.han@njit.edu

<i>Computational Intelligence Society</i>	CIS	Co-Chair: Prasenjit Bhadra prasenjit@ieee.org Manfred.Minimair Manfred.Minimair@shu.edu Vice-Chair: Ratna Raj ratna.raj@njit.edu
<i>Control Systems</i>	CS23	Chair: Marcos Netto marcos.netto@njit.edu Vice-Chair: David Haessig dahaessig@gmail.com Secretary: SangWoo Park sangwoo.park@njit.edu
<i>Electromagnetic Compatibility/ Product Safety Engineering</i>	EMC27/PSE43	Chair: Russell C. Pepe rcpepe@ieee.org
<i>Engineering in Medicine and Biology</i>	EMB18	Chair: Yu-Dong Yao Yu-Dong.Yao@stevens.edu Vice-Chair 1: Amrita Poddar amritapoddar@ieee.org Vice Chair 2: Elisa Kallioniemi elisa.kallioniemi@njit.edu
<i>Industrial Applications</i>	IA34 (w. P/CJ)	Chair: Ken Oexle k.oexle@ieee.org
<i>Information Theory</i>	IT12 (w. NY)	Chair: Adriaan J. van Wijngaarden avw@ieee.org
<i>Instrumentation & Measurement</i>	IM09	Chair: Russell C. Pepe rcpepe@ieee.org
<i>Photonics</i>	PHO36	Co-Chairs: Naresh Chand chandnaresh@gmail.com Ajay Poddar akpodddar@ieee.org
<i>Power & Energy</i>	PE31	Co-Chairs: Ronald W. Quade rwquade@ieee.org Michael Miller michaelamiller8@gmail.com
<i>Robotics & Automation</i>	RA24	Chair: Mengchu Zhou zhou@njit.edu Vice Chair: Shilpi Chakraborty shilpi@ieee.org
<i>Signal Processing</i>	SP01	Chair: Alfredo Tan tan@fdu.edu

<i>Social Implications of Technology</i>		Chair: Kirit Dixit kdixit@ieee.org Vice Chair: Anujkumarsinh Donvir anujdonvir@ieee.org
<i>Systems, Man, and Cybernetics</i>	SMC28	Chair: Weitian Wang wangw@montclair.edu
<i>Technology & Engineering Management</i>	TEMS14	Co-Chairs: Kirit Dixit kdixit@ieee.org Rakesh Singh rakeshsingh49@gmail.com
<i>Vehicular Technology</i>	VT06	Chair: Ionel Bajescu nelu108@yahoo.com Vice-Chair: Dr. Muhammad Umer m.umer@fdu.edu

Committees

<i>Audit Committee</i>	<i>Audit Committee</i> Co-Chairs Ajay Poddar akpoddar@ieee.org Kalyan Mondal mondal@fdu.edu Mani Iyer mani.iyer@ieee.org Durga Misra dmisra@njit.edu Yu-Dong Yao yyao@stevens.edu
<i>Awards & Recognitions</i>	<i>Co-chairs:</i> Ken Oexle k.oexle@ieee.org Adriaan J. van Wijngaarden avw@ieee.org Ajay Poddar akpoddar@ieee.org Hong Zhao zhao@fdu.edu Russell C. Pepe rcpepe@ieee.org
<i>Educational Activities</i>	Co-Chairs: Kalyan Mondal mondal@fdu.edu Amit Patel a.j.patel@ieee.org
<i>Employment Network</i>	Chitra Venkatraman chitrav55@gmail.com Naresh Chand chandnaresh@gmail.com
<i>Govt. and Industrial Liaison</i>	Chair: Cherif Chibane cherif.chibane@gmail.com

<i>Group Coordination</i>	Vacant
<i>History Committee</i>	Chair: Howard Leach h.leach@ieee.org
<i>Legal</i>	Chair: Amit Patel a.j.patel@ieee.org
<i>Membership Development</i>	Co-Chairs: Michael Newell msnewell@ieee.org Ajay Poddar akpoddar@ieee.org
<i>MTT/AP Trade Show and Mini- Symposium</i>	General Chair: Kirit Dixit kdixit@ieee.org TPC Co-Chairs: George Kannell gkk@ieee.org Ajay Poddar akpoddar@ieee.org Event Organizing Committee: Russell C. Pepe rcpepe@ieee.org
<i>Newsletter</i>	Chair: Anisha Apte anisha_apte@ieee.org Vice-Chair: Kalyani Matey kalyanirajivshah@gmail.com
<i>Nominations & Appointments</i>	Ajay Poddar akpoddar@ieee.org Kalyan Mondal mondal@fdu.edu Durga Misra dmisra@njit.edu
<i>PACE</i>	Chair: Naresh Chand chandnaresh@gmail.com
<i>Pre-University Committee</i>	Co-Chairs: Chitra Venkatraman chitrav55@gmail.com Craig Polk polk.craig@gmail.com
<i>Program Review Committee</i>	Chair: Alfredo Tan tan@fdu.edu Members: Anisha Apte anisha_apte@ieee.org Michael Miller michaelamiller8@gmail.com Adriaan van Wijngaarden avw@ieee.org Yu-Dong Yao yyao@stevens.edu
<i>Student Activities Committee</i>	Chair: Melvin Lewis mlewis@fdu.edu Vice Chair: Rui Li liru@montclair.edu
<i>Student Representative Committee</i>	Co-Chairs: Kalyan Mondal mondal@fdu.edu Weitian Wang wangw@montclair.edu
<i>Webmaster</i>	Co-Chairs Adriaan J. van Wijngaarden avw@ieee.org Avimanyou Vatsa avatsa@fdu.edu

Affinity Groups & Councils

<i>Consultants Network</i>	CN	Co-Chairs: Jim Julian consultant@jimjulian.com Jay Morreale p-brane@p-brane.com
<i>LIFE Members</i>	LM	Co-Chair: Steven Kovacs skovacsnj@aol.com and Michael Miller millerm@ieee.org Treasurer: Stephen WILKOWSKI Stephen_WILKOWSKI@ieee.org Secretary: Michael Miller Member at Large: Kenneth Oexle k.oexle@ieee.org
<i>Magnetic/UFFC/Sensor Council</i>		Chair: Philip Pong philip.pong@njit.edu
<i>Nanotechnology Council</i>		Chair: Eui-Hyeok Yang ehyang@ieee.org
<i>North Jersey SIGHT Group</i>		Co-Chairs: Ajay Poddar akpoddar@ieee.org Anisha Apte anisha_apte@ieee.org Vice Chair: Vishal Kumar tovpoddar@gmail.com
<i>Systems Council</i>		Chair: Michael Newell msnewell2000@yahoo.com Vice Chair: Avimanyou Vatsa avatsa@fdu.edu
<i>Women in Engineering</i>	WIE	Co-Chairs: Chitra Venkatraman chitrav55@gmail.com Ratna Raj ratna.raj@njit.edu Vice-Chair: Rui Li liru@montclair.edu
<i>Young Professionals</i>	YP	Chair: Larry Yang yangl@ieee.com Vice-Chair Kalyani Matey kalyanirajivshah@gmail.com Vice Chair: Patrick Beesley Patrick.Beesley@se.com

Student Branches

County College of Morris (CCM)	
Fairleigh Dickinson University (FDU)	President: Daniel Uzodimma
	Vice President: Kevin Fana
	Treasurer: Mohammed Sikander
	Secretary: Kalash Swami
Montclair State University	Faculty Advisor Weitian Wang wangw@montclair.edu
New Jersey Institute of Technology (NJIT)	Chair: Karina Tay kt53@njit.edu
	Vice Chair 1: Timothy Knowles - tgk5@njit.edu
	Vice Chair 2: Syed Haady Tariq-Shuiab - smt58@njit.edu
	Treasurer: Rudra Mehta - rm279@njit.edu
	Secretary: Mohammad Raza - mr43@njit.edu
Seton Hall University	Faculty Advisor: Manfred.Minimair Manfred.Minimair@shu.edu
	Chair: Aalaiah Cunningham aalaiah.cunningham@student.shu.edu
	Vice-Chair: Hansika Chawla hansika.chawla@student.shu.edu
	Treasurer: Ashley Mathew ashley.mathew@student.shu.edu
	Secretary: Jennifer Lawson jennifer.lawless@student.shu.edu
Stevens Institute of Technology	
Union community college	