



THE IEEE NORTH JERSEY SECTION NEWSLETTER

VOL. 69, NO. 07

AUGUST 2023

Message from the IEEE North Jersey Section Chair Prof. Hong Zhao



As August draws us towards the close of another beautiful summer, I hope this message finds you all in good health and high spirits. It has been a season of growth for our section. We have met the section's new member recruitment goal for the 2023 membership year. Congratulations to all of us!

As mentioned in the June/July newsletter about the summer picnic and membership development event, I am excited to announce that our summer picnic and membership development event is just around the corner. This event is scheduled for August 20, Sunday, from 12:00pm until 5:00pm, at Duke Island Park, Bridgewater, NJ 08807. We have an array of exciting activities planned, and of course, some delicious food and refreshments. It is the perfect occasion to unwind, share stories, and create lasting memories. I

encourage all of you to mark the date on your calendars and join us for a day of fun and companionship. Please make a registration at the following link: <https://events.vtools.ieee.org/m/365245>

Looking forward to seeing you on Sunday, August 20, 2023!

Best wishes,

Hong Zhao, IEEE North Jersey Section Chair

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- **This Month's Communications Society News from Around the World**
- **“What Inventors and Entrepreneurs do for Us” - An article by Harry Roman**
- 2023 Terra New Jersey STEM Fair - A report by Chitra Venkatraman
- One-Day Summer Camp for Female High School Students: SHE in ECE – 2023 - A Report by Prof. Durga Misra

What Inventors and Entrepreneurs do for Us

Let's remember and thank America's inventors and entrepreneurs for what they do for us. Here is a short list to help you get started in recognizing the importance of their efforts and long hours of labor amid many obstacles and roadblocks:

- Agents of change and economic growth
- Commercialize new products and services
- Drive down costs to consumers
- Create new jobs and industries
- Improve our standards of living
- Clean the environment
- Make things safer

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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If you gave it some serious thought, you could probably double or triple the size of this list.

In pursuing answers to important questions and problems that need to be resolved, these creative folks lead their teams through the narrow, hazardous straits of product commercialization. Often the true joy of these efforts is the race to success itself. If you have ever tried to introduce something new either on your own or within a rigid corporate environment, you know the landmines and snares that await you.

You do not need to go far to find these invaluable inventors and entrepreneurs, for they are right here in our IEEE section. When you meet one or learn of their accomplishments, take the time to tell them how much you appreciate what they did. Even better yet tell school-age and college students what colleagues and friends you have in our section!

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)

2023 Terra New Jersey STEM Fair,

- A report by Chitra Venkatraman, IEEE Senior Member, North Jersey Section

IEEE Young Engineer awards were introduced at the virtual Nokia Bell Labs NJRSF in 2020 where a Judging team from our section awarded the first two awards. Our section continued to sponsor Engineering awards every year since then. This year, the primary fair sponsor was Terra STEM Fairs. Once again, our team of Judges made 2023 IEEE Young Engineer Award selection a grand success by choosing 7 projects (9 students total) from Engineering, Biomedical Engineering and Computer Science areas to receive certificates and gift cards.

In the past years, the awards were mailed or given at our annual banquet. This year, our members visited the schools to give the awards at events held at the school facilities.

Pre-U co-chair, Chitra Venkatraman coordinated the Judging and the school visits for each of the winning projects. The Pingry School, The Peddie School, Tenaflly HS, Millburn HS, Edison HS and Middlesex Academy were all visited by Chitra and one other member of our section. Award winner from Bergen Catholic was awarded at a special ceremony held at NJIT during the SHE event as he did the project independently.

Our judging team included Dr. Ajay Poddar, Dr. Anisha Apte, Ratna Raj, Dr. Emad Farag, Dr. Misra, Henry Moher, all of North Jersey section and Poonam Gupta of Central Jersey section as well as others recruited from outside our section.

Thanks to Dr. Adriaan van Wijngaarden, Dr. Ajay Poddar, Dr. Anisha Apte, Dr. Naresh Chand and Dr. Shailaja Patil of IEEE, Pune, India for accompanying Chitra to the schools to present the awards and to Dr. Durga Misra for hosting the ceremony for the Bergen Catholic Student. On a special note, Dr. Shailaja Patil, represented the IEEE Pune Section, in line with the MoU signed between the two sections, in several events co-sponsored by North Jersey Section during her visit to USA, including the IEEE AP-S COPE activities.

Chitra also made a short presentation on Tryengineering.org features in some of the schools. Our visits were well received by the schools. Both Tenaflly and Millburn high schools invited us to present our awards formally at their annual science research symposium. We also got to tour the engineering lab facilities of some of the schools.

The 2023 IEEE Young Engineer Award Winners are as follows:

- Ryon Rong and Curtis Zhou of Peddie School
- Divya Krishna of Edison HS
- Ryan Kwon of Bergen Catholic HS
- Charles Juang & Diego Pasini of Pingry School
- Zayn Rekhi of Millburn HS
- Kai Song of Tenaflly HS
- Abhay Bhaskar of Middlesex Academy

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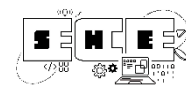
PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

A few pictures from all the award ceremonies are included below:



Pictures taken during the distribution of the TNJSF IEEE Young Engineer Awards visiting the individual schools

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One-Day Summer Camp for Female High School Students: SHE in ECE” Event – 2023*- A Report by Prof. Durga Misra*

IEEE North Jersey Section in collaboration with IEEE Electron Device Society (EDS), IEEE Circuits and Systems Society CASS, IEEE AP-S COPE and Electrical and Computer Engineering Department at NJIT hosted a “One-Day Summer Camp for Female High School and Middle School Students” on NJIT campus on June 27, 2023. The focus of the event was to encourage female students to join engineering especially in electrical engineering and/or computer engineering. The program was organized from 8:30 AM to 3:30 PM. The theme was Soaring High-powered Excellence i.e., SHE in IEEE and SHE in Electrical and Computer Engineering (ECE).



Faculty and Industry Panel



3D Printing in Makerspace



Discussion with Current ECE Students



Group Picture

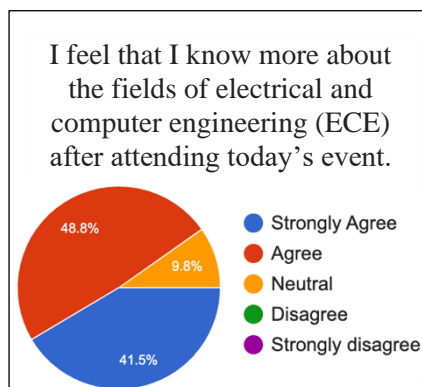
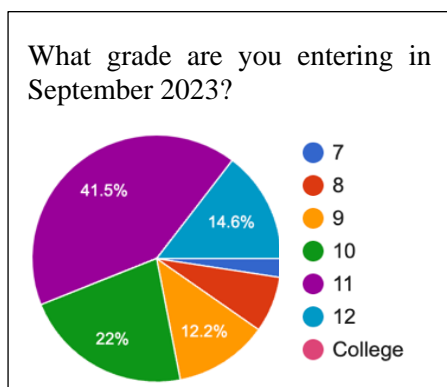
2023 Motto



Hands-on Activities



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More than 80 girls entering 7th to 12th grades from the local schools attended the event. The student group included many minority students. Students were welcomed by Prof. Durga Misra, Chapter in developing new technologies in high-tech industry and in space research and encouraged the young female students to be the leaders of the technology and innovation. He emphasized the role of IEEE such as Try Engineering programs and appreciated the financial support from the various IEEE Societies.

The opening remark was given by Ms. Marjorie Perry, CEO, and sole principal of MZM Construction. Ms. Perry inspired the girls to be engineers and mentioned how electrical engineers and computer engineers are leading the way from self-driving cars to communication using their mobile phones. She encouraged them to do well in the science and mathematics in school.

Following the opening keynote, a panel discussion was held. The panel consisted of women faculty members and industry leaders in engineering field. The faculty panelists were Prof. Ratna Raj of Elect & Comp Eng Department and Prof. Kerrielee Chintersingh, Chem & Materials Engineering. The industry panelists were, Ms. Chitra Venkatraman, retired Telecommunication Engineer from Nokia; Dr. Anisha Apte, Sr. Design Engineer at Synergy Microwave Corporation; and Dr. Charlotte Blair, Technical Manager, ANSYS and WIE Chair of IEEE Region 1; Ms. Carol Benitez, Vice President of Operations at Greener by Design and Ms. Amira Feknous, Strategic Teleport Partners at SES Satellites. The panel was moderated by Ms. Susan Gross, Vice Provost for Enrollment Management at NJIT. Most of the panel members talked about their high school days and explained how they selected their career as an engineer, especially an electrical engineer. They advised the students how they can think about selecting their career. The panelists told the students to be strong and brave as a female electrical engineer because female engineers make highly positive impact in new technology development and innovation. They also suggested to explore more about at the IEEE TRY Engineering programs and the Women in Engineering (WIE) initiatives to select their engineering career.

After the panel discussion the students were divided into four groups: (i) visit to Makerspace; (ii) the university campus tours; (iii) Hands-on-Activity; and (iv) the current electrical and computer engineering female undergraduate students' panel. The group was rotated. In the Makerspace the students were experienced the 3D Printing and other machines that the students use to make new things. As the part of the campus tour the students experienced a college campus. The hands-on activity was guided by Dr. Byron Chen, Director of Labs of ECE Department. The students were given the *Snap Circuits Green Energy* from Elenco Electronics and a multimeter to work on several circuits using solar energy and wind energy. They were excited to build their projects and wanted more time. The fourth group was with current female ECE students to "ask anything" in an informal environment.

During lunch time Mr. Steven Eck, Director of NJIT's admission office guided the high school seniors about the application process and declared that the application fee will be waived if they apply to ECE Department or any engineering program for their undergraduate program. An excellent breakfast and a hot lunch were provided to the students. Ms. Teri Bass and Ms. Ryoko Mathes of ECE Department of NJIT worked tirelessly from January 2023 to make the project a success. Around 15 ECE students worked as volunteers to help the students to have an excellent time.

The attendees were approximately of the distribution as follows: Entering Grade 9: 12%, Grade 10: 22%, Grade 11: 42%, Grade 12: 15%, and the remaining few were as young as entering Grades 7 and 8.

Following the program, a survey was made to receive feedback from the female high school and middle school students. More than 50% of the students who attended the program responded. Out of the responders we had 41.3% Asians, 43.9% African Americans and Latinos, 9.8% Whites and 5.0% others including American Indians. About 42 % strongly agreed and about 50% of the respondents agreed that they felt they know more about the field of Electrical and Computer engineering (ECE) after attending this event.

Activities in region 10 – A report by Dr. Ajay Poddar: IEEE Pune Section held several events including AP-S COPE and inter-societies activities, where Dr. Ajay Poddar, IEEE AP-S COPE Committee Co-Chair, interacted with undergrad and grad students, faculty, Young Professionals, Women in Engineering, Industry people, and local volunteers. The visit to Fergusson College Pune, and the Symbiosis Institute as part of IEEE inter-section actives under MoU between Pune and North Jersey Sections, turned out to be productive and impactful. Most of the students showed great interest in becoming IEEE Members. Thanks to Prof. G.S. Mani and his team, for organizing the events and interactive sessions with students and also for organizing Pune-North Jersey section joint events and a visit to TIFR (Tata Institute for Fundamental Research), for interaction and engagement with students and researchers as a part of AP-S COPE, YP and STEM activities. On July 12th IEEE Mumbai and Pune Section jointly organized the IEEE Life Fellow felicitation, which was also graced by the presence of IEEE President, Prof. Saifur Rehman. Many thanks also go to Dr. Surekha Deshmukh, Chair IEEE Pune Section for joint collaborative workshops and events. Pictures below show the various activities during Dr. Poddar's visit.



Visit to Fergusson College, Pune, India



Visit to TIFR (Mumbai)



With IEEE President Dr. Saifur Rehman



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THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC.

IEEE

NORTH JERSEY SECTION

MTT-Society and AP-Society Joint Chapter
PRESENTS

37th ANNUAL SYMPOSIUM AND MINI-SHOW

FOCUS:

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

SAVE THE DATE

DATE: WEDNESDAY OCTOBER 4, 2023

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: <https://events.vtools.ieee.org/m/362122>

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

EVENT/ LOCATION CO-ORDINATOR: KEN OEXLE k.oexle@verizon.net

CO-CHAIR– TECHNICAL PROGRAMS : HAR DAYAL, dayalhar@gmail.com

APS/MTTS CHAPTER Co -CHAIR: Dr. Anisha Apte, Dr. Edip Niver

SECTION CHAIR: Dr. Hong Zhao zhao@fdu.edu

NOTE: Covid-19 precautions are recommended and will be announced if required.
THERE IS NO CHARGE TO ATTEND THE SYMPOSIUM OR SHOW.

Calendar of Events

Upcoming Events: The month of August 2023 Onwards

Title	Date	Hosts	Location
CIT Summer Series - David A. Fisher - Why Software Fails and Why AI cannot Help: Northwest Florida Section Chap C16/COM19	03 Aug 2023 06:30 PM	Host: Northwest Florida Section Chap C16/COM19 Co-Sponsors -North Jersey Section Chapter, COM 19 (with many other co-sponsors)	Virtual
Humanitarian Project Activities: Technology and Environment, Climate Change: North Jersey Section Jt. Chapter, AP03/MTT17	04 Aug 2023 05:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36	Virtual
Distributed beamforming aided wireless energy transfer : North Jersey Section Jt. Chapter, AP03/MTT17	07 Aug 2023 06:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01184 - North Jersey Section Jt. Chapter, CAS04/ED15, CH01153 - North Jersey Section Chapter, VT06, CH01178 - North Jersey Section Chapter, PHO36, SIGHT177 - North Jersey Section SIGHT, CH01095 - North Jersey Section Chapter, CS23, SIGHT056 - AP-S SIGHT	Newark, New Jersey
High Frequency, High-Q Miniature Resonator and Filter Technologies : North Jersey Section Jt. Chapter, AP03/MTT17	08 Aug 2023 12:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36	Virtual
Wi-Fi 7 is now! What you need to know about global regulatory compliance : North Jersey Section Jt. Chapter, AP03/MTT17	10 Aug 2023 01:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36, CH01184 - North Jersey Section Jt. Chapter, CAS04/ED15	Virtual
CIT Summer Series - Yuhong Liu - Trust and Privacy Vulnerabilities of Today's Online Social Networks : Northwest Florida Section Chap, C16/COM19	10 Aug 2023 06:30 PM	Host: Northwest Florida Section Chap C16/COM19 Co-Sponsors -North Jersey Section Chapter, COM 19 (with many other co-sponsors)	Virtual
CIT Summer Series - David Alan Grier - The Generations of Computing and the Coming Data Age : Northwest Florida Section Chap, C16/COM19	17 Aug 2023 06:30 PM	Host: Northwest Florida Section Chap C16/COM19 Co-Sponsors -North Jersey Section Chapter, COM 19 (with many other co-sponsors)	Virtual
IEEE North Jersey Section 2023 Summer Picnic : North Jersey Section	20 Aug 2023 12:00 PM	R10327 - North Jersey Section, SIGHT177 - North Jersey Section SIGHT	Bridgewater, New Jersey

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Robust Decentralized Secondary Control Scheme for Inverter-based Power Networks : North Jersey Section Chapter,CS23	25 Aug 2023 11:00 AM	CH01095 - North Jersey Section Chapter,CS23, CH01097 - North Jersey Section Chapter,PE31, R10327 - North Jersey Section, CH01178 - North Jersey Section Chapter, PHO36, CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17	Newark, New Jersey
CIT Summer Series - Jon Peddie - The History of Visual Magic in Computers: How Beautiful Images are Made in CAD, 3D, VR and AR : Northwest Florida Section Chap,C16/COM19	31 Aug 2023 06:30 PM	Host: Northwest Florida Section Chap C16/COM19 Co-Sponsors -North Jersey Section Chapter, COM 19 (with many other co-sponsors)	Virtual
Mobile Material Characterization and Localization by Electromagnetic Sensing : North Jersey Section Jt. Chapter,AP03/MTT17	12 Sep 2023 12:00 PM	CH01092 - North Jersey Section Jt. Chapter,AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36	Virtual
Next-generation Computational Imaging and Display Systems Engineering based on End-to-end Optimization of Physical Structure and Signal Processing : North Jersey Section Chapter,SP01	13 Sep 2023 12:00 PM	CH01091 - North Jersey Section Chapter,SP01, CH01177 - North Jersey Section Chapter,C16, CH01092 - North Jersey Section Jt. Chapter,AP03/MTT17, CH01178 - North Jersey Section Chapter,PHO36	Virtual
37th ANNUAL SYMPOSIUM AND MINI-SHOW : North Jersey Section Jt. Chapter,AP03/MTT17	04 Oct 2023 09:00 AM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17	E. Hanover, New Jersey
Synthetic Aperture Radar (SAR) Signal Processing Challenges and Data Sets for Associated Research : North Jersey Section Chapter,SP01	18 Oct 2023 12:00 PM	CH01091 - North Jersey Section Chapter, SP01, CH01177 - North Jersey Section Chapter, C16, CH01178 - North Jersey Section Chapter, PHO36, CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17	Virtual

Past Month's Events: The months of June-July 2023

Title	Date	Hosts	Location
Understanding Coexistence testing: How RF receivers reacts to Interference signals : North Jersey Section Jt. Chapter,AP03/MTT17	31 May 2023 02:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36, CH01184 - North Jersey Section Jt. Chapter, CAS04/ED15	Virtual
STEAM (science, technology, engineering, art & math) Fair at Bradford Elementary School : Montclair State Univ	05 Jun 2023 09:00 AM	STB21201 - Montclair State Univ, R10327 - North Jersey Section, CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, SIGHT177 - North Jersey Section SIGHT	Montclair, New Jersey

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IEEE Young Engineer Award : North Jersey Section Jt. Chapter,AP03/MTT17	06 Jun 2023 11:30 AM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, R10327 - North Jersey Section	Tenafly, New Jersey
Understanding Quantum Computing : North Jersey Section Jt. Chapter,AP03/MTT17	06 Jun 2023 12:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36	Virtual
Voltage controlled oscillator (VCO) verification : North Jersey Section Jt. Chapter,AP03/MTT17	07 Jun 2023 01:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36, SIGHT177 - North Jersey Section SIGHT	Virtual
IEEE North Jersey Section EXCOM - Meeting 6:30 PM : North Jersey Section	07 Jun 2023 06:30 PM	R10327 - North Jersey Section	Virtual
World Environment week - IEEE North Jersey section and IEEE Pune Section Joint conclave : North Jersey Section	11 Jun 2023 08:30 AM	R10327 - North Jersey Section, CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17	Virtual
Human System Engineering: From Human Views to Human Readiness Levels : North Jersey Section Chapter,SYS45	13 Jun 2023 12:00 AM	CH01294 - North Jersey Section Chapter,SYS45	Virtual
Towards 6G: The role of photonics in THz communications : North Jersey Section Jt. Chapter,AP03/MTT17	15 Jun 2023 01:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36, CH01184 - North Jersey Section Jt. Chapter, CAS04/ED15, SIGHT177 - North Jersey Section SIGHT	Virtual
New Jersey Offshore Wind Bootcamp Training : North Jersey Section Chapter,MAG33/UFFC20/SEN39	20 Jun 2023 09:00 AM	CH01290 - North Jersey Section Chapter, MAG33/UFFC20/SEN39	Newark, New Jersey
Careers at the Rapidly Shifting Human-Technology Frontier By Dr. Fahmida N. Choudhary : North Jersey Section Chapter,SIT30	21 Jun 2023 06:45 PM	CH01285 - North Jersey Section Chapter,SIT30, CH01139 - Long Island Section Chapter,SP01	Virtual

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One-Day Summer Camp for Female High School Students: SHE in ECE - Completed : North Jersey Section Jt. Chapter,CAS04/ED15	27 Jun 2023 08:00 AM	CH01184 - North Jersey Section Jt. Chapter,CAS04/ED15, R10327 - North Jersey Section, SIGHT177 - North Jersey Section SIGHT, CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, WE10327 - North Jersey Section Affinity Group, WIE, CH01178 - North Jersey Section Chapter, PHO36	Newark, New Jersey
Seminar: Commercialization of Hard Tech: Bringing Innovation from Lab to Market : North Jersey Section Chapter,MAG33/UFFC20/SEN39	28 Jun 2023 03:00 PM	CH01290 - North Jersey Section Chapter, MAG33/UFFC20/SEN39	Newark, New Jersey
Discovering and Analyzing Power Grid Dynamics Through Measurements : North Jersey Section Chapter,CS23	07 Jul 2023 11:00 AM	CH01095 - North Jersey Section Chapter,CS23, CH01097 - North Jersey Section Chapter,PE31, CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17	Newark, New Jersey
Understanding Quantum Computing : North Jersey Section Jt. Chapter,AP03/MTT17	11 Jul 2023 12:00 PM	CH01092 - North Jersey Section Jt. Chapter, AP03/MTT17, CH01178 - North Jersey Section Chapter, PHO36	Virtual
CIT Summer Series - Dr. Rami Abielmona - Distilling AI: The Hitchhiker's Guide : Northwest Florida Section Chap,C16/COM19	13 Jul 2023 06:30 PM	Host: Northwest Florida Section Chap C16/COM19 Co-Sponsors -North Jersey Section Chapter, COM 19 (with many other co-sponsors)	Virtual
CIT Summer Series - Nael Abu-Ghazaleh - Security challenges and opportunities at the Intersection of Architecture and ML/AI : Northwest Florida Section Chap,C16/COM19	20 Jul 2023 06:30 PM	Host: Northwest Florida Section Chap C16/COM19 Co-Sponsors -North Jersey Section Chapter, COM 19 (with many other co-sponsors)	Virtual
CIT Summer Series - David A. Bader - Solving Global Grand Challenges with High Performance Data Analytics : Northwest Florida Section Chap,C16/COM19	27 Jul 2023 06:30 PM	Host: Northwest Florida Section Chap C16/COM19 Co-Sponsors -North Jersey Section Chapter, COM 19 (with many other co-sponsors)	Virtual
360' Mentoring: An Organic Fertilizer for Your Career to Grow and Flourish : Mississippi State Univ, WIE	31 Jul 2023 04:00 PM	SBA01151 - Mississippi State Univ, WIE, WE30039 - Mississippi Section Affinity Group, WIE, WE10327 - North Jersey Section Affinity Group, WIE	Virtual

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2023 IEEE North Jersey Section Volunteers

Executive Committee

Chair – Hong Zhao zhao@fdu.edu

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

Second Vice-Chair – Anisha Apte
anisha_apte@ieee.org

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

Treasurer – Avimanyou Vatsa
avatsa@fdu.edu

Member-at-Large

Naresh Chand - chandnaresh@gmail.com

Har Dayal - dayalhar@gmail.com

Alfredo Tan - tan@fdu.edu

Junior Past Chair – Ajay K. Poddar
akpoddar@ieee.org

Senior Past Chair – Yu-Dong Yao
Yu-Dong.Yao@stevens.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-Chairs

Ajay Poddar akpoddar@synergymwave.com

Edip Niver niver@adm.njit.edu

Vice-Chair – Anisha Apte
anisha_apte@ieee.org

Circuits and Systems/Electron Devices

Chair – Durga Misra dmisra@njit.edu

Vice Chair - Shaahin Angizi
shaahin.angizi@njit.edu

Communications

Chair – Amit Patel - a.j.patel@ieee.org

Computer

Chair – Hong Zhao - zhao@fdu.edu

Vice Chair - Tao Han - tao.han@njit.edu

Computational Intelligence Society

Chair: Prasenjit Bhadra - prasenjit@ieee.org

Vice-Chair: Ratna Raj - ratna.raj@njit.edu

Control Systems

Chair – Marcos Netto
marcos.netto@njit.edu

Electromagnetic Compatibility/Product Safety Engineering

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

Engineering in Medicine and Biology

Chair – Yu-Dong Yao -

Yu-Dong.Yao@stevens.edu

Industrial Applications

Chair – Ken Oexle - k.oexle@ieee.org

Information Theory

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

Instrumentation & Measurement

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

Photonics

Chair – Naresh Chand
chandnaresh@gmail.com

Power & Energy

Co-Chairs

Ronald W. Quade rwquade@ieee.org

Michael Miller michaelamiller8@gmail.com

Robotics & Automation

Chair - Naresh Chand
chandnaresh@gmail.com

Vice Chair - Shilpi Chakraborty
shilpi@ieee.org

Signal Processing

Chair – Alfredo Tan - tan@fdu.edu

Social Implications of Technology

Chair – Kirit Dixit - kdixit@ieee.org

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-Chairs

Jim Julian consultant@jimjulian.com

Jay Morreale p-brane@p-brane.com

Young Professionals

Chair – Larry Yang –
larry.yang@alcatel-lucent.com

Vice Chair -Patrick Beesley
Patrick.Beesley@se.com

Women in Engineering

Co-Chairs

Chitra Venkatraman chitrav55@gmail.com

Reena Dahle reena.dahleh@gmail.com

Ratna Raj (ratna.raj@njit.edu)

LIFE Members

Co-Chairs

Ken Oexle - k.oexle@ieee.org

Michael Miller -
michaelamiller8@gmail.com

Nanotechnology Council

Chair - Eui-Hyeok Yang - ehyang@ieee.org

North Jersey SIGHT Group

Co-Chairs

Anisha Apte - anisha_apte@ieee.org

Dushyant Deshmukh
pranavdush@gmail.com

Committees

Audit Committee

Co-Chairs

Ajay Poddar - akpoddar@ieee.org

Kalyan Mondal - mondal@fdu.edu

Mani Iyer - mani.iyer@ieee.org

Awards & Recognitions

Co-Chairs

Ken Oexle - k.oexle@ieee.org

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-Chairs

Chitra Venkatraman chitrav55@gmail.com

Naresh Chand chandnaresh@gmail.com

Government and Industrial Liaisons

Co-Chairs

Art Greenberg a.h.greenberg@ieee.org

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

akpoddar@ieee.org

Newsletter

Chair – Anisha Apte anisha_apte@ieee.org

Nominations and Appointments

Ajay Poddar - akpoddar@ieee.org

Kalyan Mondal - mondal@fdu.edu

Durga Misra - dmisra@njit.edu

PACE

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

Co-Chair – Paul E. Ward -
peward@ieee.org

Pre-University Activities

Co-Chair – Chitra Venkatraman
chitrav55@gmail.com

Program Review Committee

Kirit Dixit - kdixit@ieee.org

Ajay Poddar - akpoddar@ieee.org

Emad Farag - enfarag@ieee.org

Student Activities

Chair - Melvin Lewis (mlewis@fdu.edu)

Student Representative Committee

Chair - Kalyan Mondal mondal@fdu.edu

Webmaster

Co-Chairs

Adriaan J. van Wijngaarden - avw@ieee.org

Avimanyou Vatsa - avatsa@fdu.edu