



# THE IEEE NORTH JERSEY SECTION NEWSLETTER

**VOL. 68, NO. 8**

**SEPTEMBER 2022**

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



It is September and once again our students and professors are all geared up to begin the new academic year. On that note, I would like to bring to your attention the following opportunities and announcements.

### 2022 IEEE Region 1 Micromouse Competition at MIT

MIT will be hosting the second [2022 Region 1 Micromouse Competition](#) on Saturday, October 1, 2022 at 6:00pm to 8:30pm. All IEEE Student Members and Graduate Student Members are eligible to participate. High School Students (non-IEEE Member) are also welcome to participate, but they need to attend a 30 minutes introduction session about IEEE and how IEEE can help them when they are an Undergraduate Student at a college. There is no registration fee to participate.

Whether your Micromouse is not fully function, or you have no Micromouse, you are welcome to participate.

To register: <https://forms.gle/ji38EXVR6ZTUYAF68>

For Micromouse design and competition guideline, please email Soon Wan at [gimsoon@ieee.org](mailto:gimsoon@ieee.org)

Besides the usual awards towards the fastest maze solvers, this year we are going to award the best Micromouse design. This contest will focus on the overall design as demonstrated by an oral presentation. Although there is no specific format required for the presentation, the following guidelines should be used for preparing for the presentation.

The team should plan to address the following points in the presentation:

- ❖ Overall design goals and strategies
- ❖ High level structure of the design (mechanical, control)
- ❖ Design choices for sub functions (locomotion, sensing, etc.)
- ❖ Overview of software
- ❖ Implementation and testing process and results
- ❖ Conclusions

We encourage groups to feature the most innovative part (coding, mechanical design, etc.) during the design presentation. You can give the Oral Presentation while running your Micromouse. Each presentation/Micromouse run will be 5 minutes, with another up to 5 minutes for questions.

The IEEE Region 1 Student Conference (StuCon) is the premier annual event where student branches from IEEE Region 1 - the eight Northeastern United States (CT, MA, ME, NH, NJ, NY, RI and VT) - meet to discuss mutual challenges

and to compete in regional competitions. Annually, the conference program included the Micromouse Competition.

For those who have not worked on Micromouse, and you are interested to develop one, you should start now. I know there is only about 3 weeks left to the competition. But, it is not too late to start the development. You are allowed to get a robot kit, and do your best to build and program your Micromouse to solve the maze. You should still consider to participate this year's competition even if your Micromouse is not fully functional, or not moving. There is a judging award for Best Design Micromouse and Innovative Program, and the Micromouse does not have to perform well in the maze. If you are an IEEE Student Branch Officer, and have an interesting activity or program that you want to incorporate with the 2022 and 2023 Region 1 Student Conference, please email IEEE Region 1 Student Activities Chair, Dr. Soon Wan at [gimsoon@ieee.org](mailto:gimsoon@ieee.org).

### 2022 IEEE-HKN Student Leadership Conference

This three-day, [members-only conference](#) is IEEE-HKN's premier event for connecting with, learning from, and working beside HKN members from around the globe, scheduled from Oct 28-30, 2022, UNC Charlotte.

### MGA Election Pilot

MGA has been working to simplify the Geographic Unit election process and is excited to announce we are ready to launch the 2022 Geographic Unit Election pilot. The pilot will run for the remainder of 2022, and is available to all Geographic Units (Sections, Chapters, Affinity Groups and Student Organizations). The purpose of the pilot is to provide tools and resources to our unit leaders to ensure the election process is quicker, easier to navigate and more efficient to execute a successful election. The election pilot includes:

- Simplified election process
- Shortened election timeline
- Nominations tool to help run your elections
- vTools voting tool
- Communication templates
- Election timeline planning tool

[Click here](#) to visit the pilot website, where you can sign up to participate and run your Geographic Unit Election! Should you have any questions in the meantime please don't hesitate to reach out to [electionpilot@ieee.org](mailto:electionpilot@ieee.org) for assistance.

### Call for nominations: 2022 MGA Individual Awards

The submission deadline for MGA award is Sept 25, 2022. You can help recognize the efforts of outstanding volunteers by nominating individuals for one of the prestigious [IEEE Member and Geographic Activities \(MGA\) Awards Program](#). Each award has a unique mission and criteria and offers the

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**

opportunity to honor distinguished colleagues, inspiring teachers, and corporate leaders.

If you know someone who has made substantial regional IEEE volunteer contributions through innovative projects, exemplary leadership, service, or by fulfilling the goals as related to transnational activities, consider nominating them for one of the following awards:

- MGA Larry K. Wilson Transnational Award
- IEEE MGA Diversity & Inclusion Award
- MGA Innovation Award
- MGA Leadership Award
- MGA Achievement Award
- MGA Young Professionals Achievement Award

Please visit the MGA Award nomination process to [review the nominator guidelines and eligibility requirements](#). MGA awards are peer-recognized awards; therefore, **self-nomination is not permitted**. The deadline to submit nominations is **25 September 2022**. A complete nomination form with two letters of endorsement by two IEEE members are required to be eligible.

**Mew US Member Discount: Student loan refi discounts from SoFi**

Students and their families may be concerned that rising interest rates could make their student loans more expensive. IEEE introduces a new member discount, applicable to those who borrow from private or government lenders for higher

education tuition expenses. With the new member discount from SoFi, members could save by taking advantage of a low fixed rate and IEEE members are also eligible to get an exclusive limited-time .375% rate discount (normally 0.25%). This offer is valid through 30 September 2022.

In addition, IEEE members may access exclusive bonuses on SoFi personal loans (\$200 bonus) and mortgages (\$500 bonus). Visit [SoFi.com/IEEE](https://www.sofi.com/ieee) to view your student loan refinance rate today

**Pre-University Volunteer STEM Portal**

The STEM Portal is for IEEE Volunteers and serves as a resource for all things related to Pre-University STEM programs and activities. Here, you can share your STEM best practices and programs with IEEE's global community of volunteers, find inspiration from what others are doing, and utilize resources from this portal to develop or enhance your own programs. Watch the [STEM Portal Overview Video](#).

Our section will continue to support STEM activities 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](#)
- [“Be an IEEE Mentor” - An article by Harry Roman for the September Newsletter](#)

**Be an IEEE Mentor**

As you advance in age, you naturally look back, remembering how you got where you are... also remembering the people that helped you get there. In my 36-years at PSEG, the big constant in my career was IEEE mentorship. My colleagues were IEEE Fellows and Senior Members. All young engineers were encouraged to become members, and to get involved in various societies and volunteer positions. Leaders liked to see us write papers every 1-2 years; and get valuable experience in presenting them at the big NYC winter power engineering society meetings. I also remember quite vividly, chairing photovoltaic paper sessions in NYC as well. My seminal IEEE thrill came when I was asked by one of my mentors to assume a position as a volunteer leader in developing IEEE continuing education products for members. Talk about a learning experience! I worked with terrific IEEE staff in Piscataway and met very talented national IEEE members who put together some fascinating educational products. It was a fabulous experience. More recently, IEEE-USA asked me to develop professional and educational E-Books for members. I have been writing and publishing many of these little books, as well as numerous articles before that. This experience is so exciting for me, to be able to see my works in colorful print, and have members purchase and use these low cost, 20-page volumes.

When I attended our annual North Jersey section awards celebration in May, I cannot help but reminisce about my long IEEE membership; and I must add, I think about the IEEE colleagues who have passed. Joining IEEE and participating in its many activities has been such a bright star in my professional career. Be an IEEE mentor and volunteer. You will make a difference!

Talk to you again soon...

Harry

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

(Author & Advisor, Edison Innovation Foundation), (Retired-PSE&G Co.),

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](#)



**GRADUATE SCHOOL VIRTUAL OPEN HOUSE!**  
**Wednesday, September 21, 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*



**Past Month’s Events – August 2022 Events**

Date	Event Title, Hosts and other Details
03 August 2022 06:30 PM to 08:30 PM	<p><a href="#">IEEE North Jersey Section EXCOM - Zoom Meeting 6:30 PM</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section  <b>Location:</b> <a href="#">vTools Registration Link</a>, <a href="#">Zoom Meeting Link</a> Meeting ID: 890 6781 1667  <b>Contact:</b> Ajay Poddar (<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a>), Adriaan van Wijngaarden (<a href="mailto:avw@ieee.org">avw@ieee.org</a>), Hong Zhao (<a href="mailto:zhao@fdu.edu">zhao@fdu.edu</a>)</p>
09 August 2022 12:00 PM to 01:00 PM	<p><a href="#">Fast Solvers for Electromagnetics-Based Analysis and Design of Integrated Circuits and Systems</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section  <b>Location:</b> <a href="#">vTools: Event Link</a>, <a href="#">External Registration Link</a>  <b>Contact:</b> Ajay Poddar (<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a>), Anisha Apte (<a href="mailto:anisha_apte@ieee.org">anisha_apte@ieee.org</a>), Edip Niver (<a href="mailto:edip.niver@njit.edu">edip.niver@njit.edu</a>), Durga Misra (<a href="mailto:dmisra@njit.edu">dmisra@njit.edu</a>), Naresh Chand (<a href="mailto:chandnaresh@gmail.com">chandnaresh@gmail.com</a>), Ionel Bajescu (<a href="mailto:nelu108@yahoo.com">nelu108@yahoo.com</a>),  <b>Speakers:</b> Dan Jiao of Purdue University, Lafayette</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](#)





THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC.

IEEE NORTH JERSEY SECTION

MTT-Society and AP-Society Joint Chapter  
PRESENTS

## 36<sup>th</sup> ANNUAL SYMPOSIUM AND MINI-SHOW

FOCUS:

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

DATE: THURSDAY OCTOBER 6, 2022

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](#) Home page by the end of September 2022.

#### Registration:

For further information contact:

CHAIR - GENERAL-EXHIBITION: Kirit Dixit (201-669-7599), [kdixit@ieee.org](mailto:kdixit@ieee.org)

CHAIR – TECHNICAL PROGRAMS: George Kannell(973-261-1421),[george.kannell@gd-ms.com](mailto:george.kannell@gd-ms.com)

EVENT/ LOCATION CO-ORDINATOR: Ken Oexle [k.oexle@verizon.net](mailto:k.oexle@verizon.net)

CO-CHAIR – TECHNICAL PROGRAMS : Har Dayal , [dayalhar@gmail.com](mailto:dayalhar@gmail.com)

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

SECTION CHAIR: Dr. Ajay Poddar, [akpoddar@synergymwave.com](mailto:akpoddar@synergymwave.com)

**NOTE: Appropriate Covid-19 Precautions will be announced as required at the time.**

**THERE IS NO CHARGE TO ATTEND THE SYMPOSIUM OR SHOW.**

## Calendar of Events

## Current Events

Date	Event Title, Hosts and other Details
07 Sep 2022 06:30 PM to 08:30 PM	<p><a href="#">IEEE North Jersey Section EXCOM - Zoom Meeting 6:30 PM September 7th, 2022</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section  <b>Location:</b> <a href="#">vTools Registration Link</a>, <a href="#">Zoom Meeting Link</a> Meeting ID: 890 6781 1667  <b>Contact:</b> Ajay Poddar (<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a>), Adriaan van Wijngaarden (<a href="mailto:avw@ieee.org">avw@ieee.org</a>), Hong Zhao (<a href="mailto:zhao@fdu.edu">zhao@fdu.edu</a>)</p>
13 Sept 2022 12:00 PM to 01:00 PM	<p><a href="#">Challenges and Opportunities in Beyond-5G and 6G Communication</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Chapter, AP03/MTT17, CAS04/, ED15, PHO036, VT06, SIGHT177  <b>Location:</b> <a href="#">vTools - Link to External Registration</a>, <a href="#">Virtual Meeting Link</a> – sent to the registrants  <b>Contact:</b> Ajay Poddar (<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a>), Anisha Apte (<a href="mailto:anisha_apte@ieee.org">anisha_apte@ieee.org</a>), Edip Niver (<a href="mailto:edip.niver@njit.edu">edip.niver@njit.edu</a>), Durga Misra (<a href="mailto:dmisra@njit.edu">dmisra@njit.edu</a>), Naresh Chand (<a href="mailto:chandnaresh@gmail.com">chandnaresh@gmail.com</a>), Ionel Bajescu (<a href="mailto:nelu108@yahoo.com">nelu108@yahoo.com</a>),  <b>Speakers:</b> Dr. Ulf Gustavsson of Ericsson Research. Sweden</p>
14 Sept 2022 12:00 PM to 01:00 PM	<p><a href="#">Exploring and Exploiting High-dimensional Phenomena in Statistical Learning and Inference</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Chapter, SP01, C16, AP03/MTT17  <b>Location:</b> <a href="#">vTools Registration Link</a>, <a href="#">Zoom Meeting Link</a> Meeting ID: 967 6606 9472  M105, Muscarelle Center, FDU, 1000 River Road, Teaneck, NJ 07666  <b>Contact:</b> Alfredo Tan (<a href="mailto:tan@fdu.edu">tan@fdu.edu</a>), Hong Zhao (<a href="mailto:zhao@fdu.edu">zhao@fdu.edu</a>)  <b>Speaker:</b> Dr. Yue M. Lu of John A. Paulson School of Engineering and Applied Sciences, Harvard University</p>
15 Sep 2022 06:00 PM to 07:15 PM	<p><a href="#">Internet of Things: Applications, Enablers, Security</a></p> <p><b>Sponsor/Co-Sponsors:</b> New Jersey Coast Section Chapter COM19, New York Section Chapter COM1 - North Jersey Section Chapter, COM19, Buffalo Section Chapter-COM19, Chicago Section Chapter COM19, Washington Section Chapter COM19, <a href="#">Atlanta Section Chapter, COM19</a>, <a href="#">Maine Section Chapter,C16/COM19</a>, <a href="#">North Jersey Section Jt Chapter,AP03/MTT17</a>, <a href="#">Baltimore Section Chapter COM19</a>, <a href="#">Central Texas Sect. Jt. Chap. COM19/SP01/CT08 Austin</a>, <a href="#">Houston Section Chapter,COM19</a>  <b>Location:</b> <a href="#">vTools Registration Link</a>, <a href="#">Zoom Meeting Link</a> – Will be sent to the registrants  <b>Contact:</b> Amit Patel (<a href="mailto:a.j.patel@ieee.org">a.j.patel@ieee.org</a>), <a href="mailto:patluri@att.com">patluri@att.com</a>, <a href="mailto:zpeng@ccny.cuny.edu">zpeng@ccny.cuny.edu</a>, <a href="mailto:jmmoskal@ieee.org">jmmoskal@ieee.org</a>, <a href="mailto:smida@uic.edu">smida@uic.edu</a>, <a href="mailto:siering@ieee.org">siering@ieee.org</a>, <a href="mailto:syed.tamseel@ieee.org">syed.tamseel@ieee.org</a>, <a href="mailto:anna.romaniuk@gmail.com">anna.romaniuk@gmail.com</a>, <a href="mailto:lee.gaspard@ieee.org">lee.gaspard@ieee.org</a>, <a href="mailto:uptonj@husson.edu">uptonj@husson.edu</a>, <a href="mailto:F.behmann@ieee.org">F.behmann@ieee.org</a>.  <b>Speakers:</b> Dr. Manu Malek of IEEE New Jersey Coast Section</p>
17 Sep 2022 01:00 PM to 5:30 PM	<p><a href="#">IEEE NJACS-2022: 10th Annual IEEE North Jersey Advanced Communications Symposium (Theme: AI and Deep Learning) (Zoom)</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Chapter,C16, VT06, AP03/MTT17, COM 19, AES10 North Jersey/New York Jt Section Chapter IT12, Metro Sec. Act. Council  <b>Location: Required:</b> <a href="#">vTools Registration Link</a>, <a href="#">Zoom Meeting Link</a> - Meeting ID: 506 875 4099  <b>Contact:</b> Adriaan van Wijngaarden (<a href="mailto:avw@ieee.org">avw@ieee.org</a>), Amit Patel (<a href="mailto:a.j.patel@ieee.org">a.j.patel@ieee.org</a>), Yu-Dong Yao (<a href="mailto:yyao@stevens.edu">yyao@stevens.edu</a>), Hong Zhao (<a href="mailto:zhao@fdu.edu">zhao@fdu.edu</a>), Cherif Chibane (<a href="mailto:cherif.chibane@gmail.com">cherif.chibane@gmail.com</a>), Michael Newell (<a href="mailto:mike_msnewell2000@yahoo.com">mike_msnewell2000@yahoo.com</a>)  <b>Speakers:</b> Dr. Paul Ratazzi, Air Force Research Laboratory, Prof. Tao Han, NJIT, Prof. Huaxia Wang, Oklahoma State University, Prof. Yudi Dong, University of Hartford</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](#)

20 Sept. 2022 02:00 PM to 03:00 PM	<p><a href="#">Mastering EVM: Fundamentals</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Chapter, AP03/MTT17, CAS04/, ED15, PHO036, VT06, SIGHT177</p> <p><b>Location:</b> <a href="#">Virtual Event Link</a>, <a href="#">External Meeting/Registration Link</a></p> <p><b>Contact:</b> Ajay Poddar (<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a>), Anisha Apte (<a href="mailto:anisha_apte@ieee.org">anisha_apte@ieee.org</a>), Edip Niver (<a href="mailto:edip.niver@njit.edu">edip.niver@njit.edu</a>), Durga Misra (<a href="mailto:dmisra@njit.edu">dmisra@njit.edu</a>), Naresh Chand (<a href="mailto:chandnaresh@gmail.com">chandnaresh@gmail.com</a>), Ionel Bajescu (<a href="mailto:nelu108@yahoo.com">nelu108@yahoo.com</a>),</p> <p><b>Speakers:</b> Paul Denisowski of Rohde &amp; Schwarz</p>
22 Sept. 2022 06:30 PM to 08:30 PM	<p><a href="#">Introduction to Mechanical Design Using FreeCAD</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section CN</p> <p><b>Location:</b> <a href="#">vTools Registration Link</a>, <a href="#">External Meeting/Registration Link</a></p> <p><b>Contact:</b> Jay Morreale (<a href="mailto:info@technologyontap.org">info@technologyontap.org</a>)</p> <p><b>Speakers:</b> <a href="#">George Vella-Coleiro</a>, (Retired Physicist - Bell Laboratories)</p>
28 Sept. 2022 02:00 PM to 03:00 PM	<p><a href="#">112 Gbps PAM4 Front Panel Connectivity - Real World Implementation and Correlation</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Chapter, AP03/MTT17, CAS04/, ED15, PHO036, VT06, SIGHT177</p> <p><b>Location:</b> <a href="#">vTools - External Event Link</a>, <a href="#">External Meeting/Registration Link</a></p> <p><b>Contact:</b> Ajay Poddar (<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a>), Anisha Apte (<a href="mailto:anisha_apte@ieee.org">anisha_apte@ieee.org</a>), Edip Niver (<a href="mailto:edip.niver@njit.edu">edip.niver@njit.edu</a>), Durga Misra (<a href="mailto:dmisra@njit.edu">dmisra@njit.edu</a>), Naresh Chand (<a href="mailto:chandnaresh@gmail.com">chandnaresh@gmail.com</a>), Ionel Bajescu (<a href="mailto:nelu108@yahoo.com">nelu108@yahoo.com</a>),</p> <p><b>Speakers:</b> Greg Vaught of Rohde &amp; Schwarz</p>
03 Oct 2022 07:00 PM to 08:30 PM	<p><a href="#">Radar Technology Systems – An Introduction</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Chapters AES10, COM19, CS23, Jt Chapter, AP03/MTT17, San Diego Section Chapter, AES10,</p> <p><b>Location:</b> <a href="#">vTools Registration Link</a>, <a href="#">Zoom Meeting Link</a> - Meeting ID: 859 4212 2032 (Passcode: <a href="#">see vTools pg.</a>)</p> <p><b>Contact:</b> Cherif Chibane (<a href="mailto:cherif.chibane@ieee.org">cherif.chibane@ieee.org</a>), Amit Patel (<a href="mailto:a.j.patel@ieee.org">a.j.patel@ieee.org</a>), Dave (<a href="mailto:dave@aurestech.com">dave@aurestech.com</a>), Kramer (<a href="mailto:kramer@sandiego.edu">kramer@sandiego.edu</a>), Anisha Apte (<a href="mailto:anisha_apte@ieee.org">anisha_apte@ieee.org</a>)</p> <p><b>Speakers:</b> Seng Hong, PhD., Senior Technical advisor, Licensed PE, Adjunct Professor</p>
06 Oct 2022 09:00 AM to 04:30 PM	<p><a href="#">36th ANNUAL SYMPOSIUM AND MINI-SHOW</a></p> <p>CH01092 - North Jersey Section Jt Chapter, AP03/MTT17</p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Chapter SP01, C16</p> <p><b>Location:</b> <a href="#">Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936</a>, <a href="#">vTools Registration Link</a>,</p> <p><b>Contact:</b> Kirit Dixit (<a href="mailto:kdixit@ieee.org">kdixit@ieee.org</a>), Ajay Poddar (<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a>), Har Dayal (<a href="mailto:dayal.har@gmail.com">dayal.har@gmail.com</a>)</p> <p><b>Speakers:</b> Multiple Speakers – All Day Event</p>
12 Oct 2022 12:00 PM to 07:30 PM	<p><a href="#">MR Image Reconstruction as a Computational Imaging Problem: From Model-Based Reconstruction and Sparsity to Machine Learning</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Chapter SP01, C16</p> <p><b>Location:</b> <a href="#">vTools Registration Link</a>, <a href="#">Zoom Meeting Link</a> - Meeting ID: 938 1582 6146</p> <p><b>Contact:</b> Alfredo Tan (<a href="mailto:tan@fdu.edu">tan@fdu.edu</a>), Hong Zhao (<a href="mailto:zhao@fdu.edu">zhao@fdu.edu</a>)</p> <p><b>Speakers:</b> Dr. Mariya Doneva of Philips Research, Hamburg, Germany</p>
27 Oct. 2022 12:00 PM to 05:00 PM	<p><a href="#">Towards the 100% clean energy future – How can IEEE Help?</a></p> <p><b>Sponsor/Co-Sponsors:</b> North Jersey Section Affinity Group LM</p> <p><b>Location:</b> <a href="#">Hanover Manor, 16 Eagle Rock Ave. E. Hanover, NJ 07936</a>, <a href="#">vTools Registration Link</a></p> <p><b>Contact:</b> Mike Miller (<a href="mailto:millerm@ieee.org">millerm@ieee.org</a>), Ronald Quade (<a href="mailto:rwquade@ieee.org">rwquade@ieee.org</a>), Ken Oexle (<a href="mailto:k.oexle@verizon.net">k.oexle@verizon.net</a>)</p> <p><b>Speakers:</b> Mousa, Ahmed of IEEE</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](#)

## 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  
a.j.patel@ieee.org

#### *Computer*

**Chair** – Hanna (Hong) Zhao  
zhao@fdu.edu

#### *Computational Intelligence Society*

**Chair:** Prasenjit Bhadra  
prasenjit@ieee.org

#### *Control Systems*

**Chair** – David Haessig  
davidhaessig@ieee.org

#### *Electromagnetic Compatibility/Product Safety Engineering*

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

#### *Engineering in Medicine and Biology*

**Chair** – Har Dayal dayalhar@gmail.com

#### *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-Chair** – Ronald W. Quade  
rwquade@ieee.org

**Co-Chair** – 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-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

#### *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  
ehyang@ieee.org

#### *North Jersey SIGHT Group*

**Chair** – Anisha Apte  
anisha\_apte@ieee.org

**Co-Chair** – Dushyant Deshmukh  
pranavdush@gmail.com

#### *Committees*

##### *Audit Committee*

**Co-Chair** – Kalyan Mondal  
mondal@fdu.edu

**Co-Chair** – Mani Iyer  
mani.iyer@ieee.org

##### *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 Kennal  
gkk@lgsinnovations.com

**TPC Co-Chair** – Ajay Poddar  
akpoddar@synergymwave.com

#### *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  
peward@ieee.org

#### *Pre-University Activities*

**Co-Chair** – Chitra Venkatraman  
chitrav55@gmail.com

#### *Program Review Committee*

Yu-Dong Yao –

Yu-Dong.Yao@stevens.edu

Hong Zhao – zhao@fdu.edu

Emad Farag – enfarag@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