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

With the Covid-19 immunizations ramped up, we are expecting in-person meetings from July 2021. Coping with the pandemic has made most members to become comfortable with the virtual events using Zoom and WebEx. This flexibility has steered to broaden the boundary of participants and attendees.

We see the flexibility that Covid-19 has brought, now members who were previously unable to physically attend events can also log in from remote locations. We need to ensure that wherever possible - we retain the virtual component of our events, to include the participation, especially for those in distant areas. The lessons learned from the pandemic must include how best to protect ourselves against the virus and the solutions needed to safeguard our professional and social well-being in future.

Last year, we cancelled social events, although this year if there is some interest, we can plan for social events. If any Members have a favorite dining spot, please let us know and we will look into holding a meeting there.

I would like to share the information with you about the IEEE MGA initiative (https://mga.ieee.org/news/32-ieee-news/449-mga-scoop-june-2021-issue) for an improved financial and contract system to simplify, streamline, and save time that allows for more visibility for the end users to improve business insights and decisions. The new features will be phased in within the new NextGen system over a period of time. IEEE understands that this is a change for our volunteers and it can take time to adapt to the new platform. Training and educational resources will be available throughout the transition period. IEEE volunteers have been working since last year on major changes to the IEEE financial systems. The “NextGen” platform is designed to integrate the functions that a Geographic Unit Treasurer needs to accomplish.

What’s not changing?

- Geo Unit Concentration Banking (CB) account remains the same.
- IEE Staff will continue to process your payment and transfer requests as usual.
- Existing CB checks, deposit tickets, and mail-in deposit envelopes will work as before.
- Authorized signers and CB cards will remain the same.

What is changing?

- We can generate electronic payments through NextGen Banking.
- Starting in June 2021, CB account statements will be available through the NextGen Banking instead of CBRS (Concentration Banking Reporting System).

Concentration Banking/CBRS

- CBRS data download capabilities will be replaced by the NextGen system.
- Volunteers currently using IEEE Concentration Banking will automatically be transferred to NextGen Banking.
- Historical CB statements (through 4/2021) will still be available.

NetSuite

- NetSuite is longer available and all 2021 data has been migrated to NextGen.
- Access the new NextGen Dashboard at ieee.org/nextgen
- Training will be provided for you. Look for announcements in the coming months.
- NetSuite 2020 and prior data will be available in “Read-Only” mode for a limited number of IEEE staff starting in May.
- Send requests for historical data to finance-solutions@ieee.org and allow 3 to 5 business days to process your request.

This new way of working will save time and provide greater financial and contract visibility for volunteers and staff who are involved in financial and contract activities. If you are authorized to act on financials and contracts, please visit ieee.org/nextgen for additional information!

Announcing IEEE Day

IEEE, for the first time in history, celebrated the IEEE Day, back in 1884, when engineers worldwide and IEEE members gathered to share their technical ideas. One of IEEE Day’s objectives is to demonstrate and uphold the ways by which thousands of IEEE members in local communities collaborate on ideas that preserve the IEEE Day’s theme: “Leveraging Technology for a Better Tomorrow.” In an effort to help all IEEE members celebrate anytime, anywhere in the world, this
year IEEE Day will be a hybrid celebration on Tuesday, 5th October 2021.

Resources for Volunteers
- Click the link: MGA’s vTools resources
- WebEx Event User Guide available here
- Interested in using Google Meet? Find out more at http://meet.google.com or send us an email at mga-im@ieee.org.
- IEEE Center for Leadership Excellence (CLE), volunteer training and resources in the IEEE CLE.
- The IEEE Learning Network (ILN) gives members easy access to online learning content from across IEEE, all in one place. Browse hundreds of courses on core and emerging technologies, leadership skills, and more. Check out the weekly selection of courses that active IEEE members can purchase for US$10 each! See our discounted courses
- Volunteers and organizers looking to virtualize their events at IEEE tv’s video on Recording Your Presentation with Zoom

IEEE virtual Membership Development training series is scheduled in June.

Over the course of two weeks there will be a combination of tutorials on the programs, tools and resources that IEEE offers its volunteers and members, all led by IEEE staff and volunteers. This will be a direct extension of the existing membership development goals that Sections have for recruitment and retention. Each 1-hour session will be repeated morning and evening, live, to ensure maximum participation across time zones, and allow for live Q&A. You need only register for one time slot per topic. All sessions will be held at 10:00AM ET and 7:00PM ET. This training is intended for Section Chairs, Vice Chairs, and Membership Development Chairs. Chapter Chairs and interested volunteers are most welcome to register.

• Kickoff - Defining Member Value in the Current Climate
  Wednesday, June 2, 2021 10:00 am
  Wednesday, June 2, 2021 7:00 pm

• OU Analytics Tutorial - Find and Use Your Section’s Member Data
  Thursday, June 3, 2021 10:00 am
  Thursday, June 3, 2021 7:00 pm

• Technical Activities in MD - Section/Chapter Cooperation
  Tuesday, June 8, 2021 10:00 am
  Tuesday, June 8, 2021 7:00 pm

• VTools Tutorial - Event Scheduling, eNotice, Officer Reporting, Voting Tools
  Wednesday, June 9, 2021 10:00 am

  Wednesday, June 9, 2021 7:00 pm

  Thursday, June 10, 2021 10:00 am
  Thursday, June 10, 2021 7:00 pm

• Member Discounts Program Overview - Group insurance and other discount programs (mostly for members in the US and Canada, but all are welcome) - note two different days
  Monday, June 7, 2021 10:00 am
  Monday, June 14, 2021 7:00 pm

• Regularly Scheduled Monthly Membership Development Webcast - Key Takeaways and Section Action Plan Development Overview
  Friday, June 18, 2021 10:00 am

PES Scholarship Plus
The PES Scholarship Plus is accepting applications from students pursuing an undergraduate degree in electrical engineering. The scholarship gives students 2,000 dollars to use towards educational expenses. Apply today and share with others who should apply. Deadline to apply is 30 June, 2021. Please click the link Apply here

For detailed information of becoming PES scholar, click the link: Electrical engineering scholarship for undergraduate students - IEEE Power & Energy Society Scholarship Plus Initiative (ee-scholarship.org)

North Jersey SIGHT
Our North Jersey SIGHT (Special Interest Group on Humanitarian Technology) group was approved recently. SIGHT/HAC offers IEEE members a global platform to transfigure know-how in to sustainable humanitarian projects. As a Working group Chair of IEEE HAC Society Partnership and Industrial Engagement Subcommittee, I am enthusiastically advocating the IEEE Sections and industry partnership for interactions, engagement, networking and commitment for creating a volunteering service community for the special trade that teaches us to subsidize and aid underserved people. The Inter-Section partnership, Student Branch, YP and WiE involvement, and industry engagement can lead to new memberships as well as the pedestal for leveraging the appropriation of industrial expertise to help identify opportunities for exploring sustainable humanitarian technology for serving undeserved community.

Best Wishes,
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 The Section Executive Committee Roster

VOL.67, NO. 06 JUNE - JULY 2021
GRADUATE SCHOOL VIRTUAL OPEN HOUSE!
Wednesday, June 16, 2021, 7 p.m.

Fairleigh Dickinson University’s Gildart Haase School of Computer Sciences & Engineering (GHSCSE)

- A national leader in Cybersecurity, designated as a “Center of Academic Excellence for Cyber Defense Education” by NSA and DHS
- 18 cutting-edge labs, among the best in the North and Mid-Atlantic Regions
- Offers 6 Masters of Science (MS) Programs:
  - Cybersecurity & Information Assurance
  - Computer Science
  - Electrical Engineering
  - Computer Engineering
  - Management Information Systems
  - E-Commerce

Grow your career opportunities!
For Programs information, visit: https://tinyurl.com/GHprogram

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GRADUATE SCHOOL VIRTUAL OPEN HOUSE!
Wednesday, July 21, 2021, 7 p.m.

Fairleigh Dickinson University’s Gildart Haase School of Computer Sciences & Engineering (GHSCSE)

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Calendar of Events

Past Events

IEEE AES (Aerospace and Electronic Systems Society) CHAPTER SUMMIT - REGIONS 1-7 Officers and Chapter Leaders – Co-sponsored by North Jersey ComSoc/AP/MTT
Location: This meeting is virtual. All registrants should have received Zoom link via email. Contact k.kramer@ieee.org if needed.
Date: 8 May 2021  Time: 10:00 AM to 2:00 PM (Eastern Daylight time)
Contact: k.kramer@ieee.org
Speakers: Multiple Speakers

Building a Career in Photonics and Available IEEE Resources – Co-sponsored by North Jersey AP/MTT
Location: This meeting is virtual held at Kochi, Kerala India. All registrants should have received Zoom link via email.
Date: 8 May 2021  Time: 8:00 PM to 9:30 PM (IST - Indian standard time)
Contact: sancochin@gmail.com
Speakers: Multiple Speakers

MultiGig Automotive Ethernet and Next-gen In-Vehicle Networks – Co-sponsored by North Jersey AP/MTT, ED/CAS, VTS/EMBS
Location: This meeting is virtual. External Registration Link
Date: 12 May 2021  Time: 1:00 PM to 2:00 PM (EDT)
Contact: Ajay Poddar (akpoddar@ieee.org), Durga Misra (dmisra@njit.edu), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Har Dayal (dayalhar@gmail.com), Ionel Bajescu (nelu108@yahoo.com)
Speakers: Dr. Nik Dimitrakopoulos of Rohde & Schwarz, Randy White of Rohde & Schwarz

Workshop on Recent Advances in Photonics and Optics (RAPO-2021)” to "Celebrate the International Day of Light (IDL-2021) – Co-sponsored by Co-sponsored by ISBAT University, Kampala, Uganda, North Jersey PHO/RA, AP/MTT, SIGHT
Location: Registration is required to obtain the Zoom meeting joining details External Registration Link
Date: 15 May 2021  Time: 10:00 AM to 1:30 PM (All times are Africa/Nairobi time)
Contact: Mayur Kumar Chhipa (mayurchhipa1@gmail.com)
Speakers: Multiple Speakers

Testing Ultra-Wideband for Automotive Applications – Co-sponsored by North Jersey AP/MTT ED/CAS, VTS/EMBS
Location: Link to External Registration - Required
Date: 19 May 2021  Time: 12:00 PM to 1:00 PM (EDT)
Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Har Dayal (dayalhar@gmail.com), Ionel Bajescu (nelu108@yahoo.com)
Speakers: Martina Neuherz of Rohde & Schwarz, Nikola Serdar of Rohde & Schwarz

History and Future of Implantable Antennas – Co-sponsored by North Jersey AP/MTT, SIGHT
Location: Link to External Registration - Required
Date: 19 May 2021  Time: 9:30 PM to 10:45 PM (EDT)
Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Har Dayal (dayalhar@gmail.com), Ionel Bajescu (nelu108@yahoo.com)
Speakers: Dr. Cynthia Furse of EEE AP-S Distinguished Lecturer and Professor of Electrical Engineering, University of Utah

Vector Signal Generation & Demodulation for 5G & Quantum Computing Applications – Co-sponsored by North Jersey AP/MTT
Location: Link to External Registration - Required
Date: 20 May 2021  Time: 11:00 AM to 12:00 PM (EDT)
Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org),
Speakers: Doug Jorgesen of Marki Microwave, Duncan Pilgrim of Marki Microwave

Simplifying 5G mobile device testing – Co-sponsored by North Jersey AP/MTT
Location: Link to External Registration - Required
Date: 25 May 2021  Time: 1:00 PM to 2:00 PM (EDT)
Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org),
Speakers: Manuel Galozy of Rohde & Schwarz

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Underexplored Three-Phase Power Failure Conditions – Co-sponsored by Long Island/New York Section Joint Chapter, EMC, North Jersey Section Jt. Chapter, AP/MTT, North Jersey Section, Santa Clara Valley Section Chapter, SP, Milwaukee Section Chapter, PEL, Ottawa Section Jt. Chapter, RL/PEL, Ottawa Section Chapter, PE
Location: Link to Registration - Required WebEx information provided after registration
Date: 26 May 2021  Time: 6:00 PM to 7:00 PM (EDT)
Contact: colotti@telephonics.com, caroline.chan.us@ieee.org, asahmed@ra.rockwell.com, tgachovska@yahoo.com, tgachovska@yahoo.com, Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org),
Speakers: James Colotti, Staff Engineer at Telephonics

How to prepare a competitive research proposal – Co-sponsored by North Jersey AP/MTT, PHO, SIGHT, TEM
Location: Link to External Registration - Required
Date: 27 May 2021  Time: 4:00 AM to 5:00 AM (EDT)
Contact: Ajay Poddar (akpoddar@ieee.org), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org),
Speakers: Distinguished Professor Karu Esselle

IEEE North Jersey Section EXCOM meeting - June 2021 - Online (Zoom)
Date: 2 June 2021  Time: 06:30 PM to 08:45 PM
Location: Required - vTools Registration link  Link to Join Zoom Meeting  Meeting ID: 890 6781 1667
Contact: Dr. Ajay Poddar akpoddar@ieee.org, Prof. Hong Zhao zhao@fdu.edu, Dr. Adriaan van Wijngaarden avw@ieee.org

How to Write a Good Technical Paper – MTT-S Webinar, Cosponsored by North Jersey AP/MTT, ED/CAS, VTS, SIGHT, EMB, PHO
Date: 11 June 2021  Time: 8:00 AM to 9:00 AM (Eastern Daylight time)
Location: Required - vTools Registration link  Link to join: https://ntu-sg.zoom.us/j/91348620451 Please Register to get passcode
Contact: Ajay Poddar (akpoddar@ieee.org), Durga Misra (dmiisra@njit.edu), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Ionel Bajescu (nelu108@yahoo.com), Naresh Chand (chandnaresh@gmail.com), Har Dayal (dayalhar@gmail.com)
Speakers: Prof. Zhongxiang Shen

Measured System Point-spread Functions Enable Real-time Quantitative Imaging – Cosponsored by North Jersey AP/MTT, ED/CAS, VTS, SIGHT, EMB, PHO, TEM
Date: 22 June 2021  Time: 12:00 PM to 1:00 PM (Eastern Daylight time)
Location: Required - vTools Registration link
Contact: Ajay Poddar (akpoddar@ieee.org), Durga Misra (dmiisra@njit.edu), Edip Niver (edip.niver@njit.edu), Anisha Apte (anisha_apte@ieee.org), Ionel Bajescu (nelu108@yahoo.com), Naresh Chand (chandnaresh@gmail.com), Har Dayal (dayalhar@gmail.com)
Speakers: Prof. Natalia Nikolova of McMaster University

IEEE North Jersey Section EXCOM meeting - August 2021 - Online (Zoom)
Date: 4 August 2021  Time: 06:30 PM to 08:45 PM
Location: Required - vTools Registration link  Link to Join Zoom Meeting  Meeting ID: 890 6781 1667
Contact: Dr. Ajay Poddar akpoddar@ieee.org, Prof. Hong Zhao zhao@fdu.edu, Dr. Adriaan van Wijngaarden avw@ieee.org

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- This Month's Communications Society News from Around the World
- “That Texas Thing” - An article by Harry Roman
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2021 IEEE North Jersey Section Volunteers

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