



THE IEEE NORTH JERSEY SECTION NEWSLETTER

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JUNE - JULY 2021

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.
- IEEE 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?

- Access to NetSuite ended on 30 April 2021.
- 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

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](#)



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](#)

- **Recruitment and Engagement Programs and Tools - Best Practices for Recruitment and Retention**

[Thursday, June 10, 2021 10:00 am](#)

[Thursday, June 10, 2020 7:00 pm](#)

- **IEEE Collabratec - Leverage the Platform for Member Engagement**

[Tuesday, June 15, 2021 10:00 am](#)

[Tuesday, June 15, 2020 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](#)



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!

Register for the Open House: <http://bit.ly/OpenHouseCyber>

For Programs information, visit: <https://tinyurl.com/GHprogram>



GRADUATE SCHOOL VIRTUAL OPEN HOUSE!

Wednesday, July 21, 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:**
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Register for the Open House: <http://bit.ly/OpenHouseCyber>

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Calendar of Events

Past Events

IEEE AESS (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 (mayurchhipal@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), 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: 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),

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

Upcoming Events

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 (dmisra@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 (dmisra@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](#)

2021 IEEE North Jersey Section Volunteers

Executive Committee

Chair – Ajay K. Poddar
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First Vice-Chair – Hong Zhao
zhao@fdi.edu

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

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

Treasurer – Avimanyou Vatsa
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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
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Society Chapters

Aerospace Electronic Systems

Chair – Cherif Chibane
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Vice-Chair – Kirit Dixit kdixit@ieee.org

Antennas and Propagation / Microwave Theory and Techniques

Co-Chair – Ajay Poddar
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Co-Chair – Edip Niver
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Co-Chair – Anisha Apte
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Circuits and Systems/Electron Devices

Chair – Durga Misra
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Communications

Chair – Amit Patel
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Computer

Chair – Hanna (Hong) Zhao
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Control Systems

Chair – David Haessig
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Electromagnetic Compatibility/Product Safety Engineering

Chair – Russell C. Pepe
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Engineering in Medicine and Biology

Chair – Har Dayal dayalhar@gmail.com

Industrial Applications

Chair – Ken Oexle
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Information Theory

Chair – Adriaan J. van Wijngaarden
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Instrumentation Measurement

Chair – Russell C. Pepe
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Photonics

Chair – Naresh Chand
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Power & Energy

Co-Chair – Ronald W. Quade
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Co-Chair – Michael Miller
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Signal Processing

Chair – Alfredo Tan
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Systems, Man, and Cybernetics

Chair – Mengchu Zhou
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Vehicular Technology

Chair – Ionel Bajescu
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Technical Councils

Technology & Engineering Management

Chair – Kirit Dixit
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Affinity Groups

Consultants Network

Co-Chair – Jim Julian
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Co-Chair – Jay Morreale
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Young Professionals

Chair – Larry Yang
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Women in Engineering

Co-Chair – Chitra Venkatraman
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Co-Chair – Reena Dahle
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LIFE Members

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Co-Chair – Michael Miller
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Committees

Audit Committee

Co-Chair – Kalyan Mondal
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Co-Chair – Mani Iyer
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Awards & Recognitions

Co-Chair – Ken Oexle
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Co-Chair – Adriaan J. van Wijngaarden
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Educational Activities

Co-Chairs

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Employment Network

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Co-Chair – Naresh Chand
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Government and Industrial Liaisons

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Co-Chair – Russell C. Pepe
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Group coordinator / History

Chair – Howard Leach
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Legal Activities

Chair – Vacant

Membership Development

Chair – Michael Newell
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MTT/AP Trade Show and Symposium

Chair – Kirit Dixit
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Vice-Chair – Har Dayal
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TPC Co-Chair – George Kennall
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TPC Co-Chair – Ajay Poddar
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Newsletter

Chair – Anisha Apte
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Nominations and Appointments
 Kalyan Mondal mondal@fdi.edu

Durga Misra dmisra@njit.edu

PACE

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

Co-Chair – Chitra Venkatraman
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Program Review Committee

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Hong Zhao – zhao@fdi.edu

Emad Farag – enfarag@ieee.org

Student Activities

Chair – Hong Zhao
zhao@fdi.edu

Student Representative Committee

Chair – Kalyan Mondal
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Webmaster

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

Co-Chair – Avimanyou Vatsa
avatsa@fdi.edu

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