



THE IEEE NORTH JERSEY SECTION NEWSLETTER

VOL. 66, NO. 07

JULY 2020

Calendar of Events

IEEE North Jersey Section EXCOM meeting - July 2020-Online (Zoom)

Date: 1 July 2020 **Time:** 07:00 PM to 08:45 PM

Location: Join Zoom Meeting <https://us02web.zoom.us/j/89067811667> Meeting ID: 890 6781 1667

Contact: Yu-dong Yao - yyao@stevens.edu, Hong Zhao (201)-692-2350, zhao@fdu.edu

IEEE AP-S Chapter Activity Technical Workshop Meeting – AP-S

Date: 9 July 2020 **Time:** 06:00 PM to 09:00 PM

Location: Registration Link: <https://us02web.zoom.us/j/84501433959>; Password: 746035

Contact: Ajay K. Poddar: +1 201-560-3806, akpoddar@ieee.org, Anisha Apte: anisha_apte@ieee.org,

Speaker: Dr. Ajay Poddar

SHORT COURSES:

C# .NET Programming (Instructor: Donald Hsu) - Education Committee/ED/CAS, AP/MTT

Date: 11 July - 22 Aug 2020 **Time:** 09:00 AM to 12:00 PM (7 Saturdays, July 11, 18, 25, August 1, 8, 15, 22, 2020)

Location: Online via Zoom

COST: IEEE (& affiliate) members \$500; Non-IEEE members \$550.

Contact: Donald Hsu - yanyou@hotmail.com

Project Risk Management in Seven Saturdays (Instructor: Donald Hsu) - Education Committee/ED/CAS, AP/MTT

Date: 11 July - 22 Aug 2020 **Time:** 12:00 PM to 3:00 PM (7 Saturdays, July 11, 18, 25, August 1, 8, 15, 22, 2020)

Location: Online via Zoom

COST: IEEE (& affiliate) members \$500; Non-IEEE members \$550.

Contact: Donald Hsu: yanyou@hotmail.com

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- **Call for Nominations: 2021-2022 IEEE North Jersey Section Executive Committee Officers**
- **This Month's Communications Society News from Around the World**
- **“The Wisdom Within” - An article by Harry Roman**
- **IEEE WIE ILC 2020 Virtual Series**
- **MTT-s - Upcoming and Archived Virtual Events**

Call for Nominations

2021-2022 IEEE North Jersey Section Executive Committee Officers

The IEEE North Jersey Section by an Executive Committee (ExCom) consists of Elected Officers, the Section's Chapter and Affinity Group Chairs, Student representatives, appointed Committee Chairs, and the Junior and Senior Past-Chairs. The IEEE North Jersey Section Nomination Committee seeks nominations for the Section's Elected Section Officer positions for the 2021-2022 term:

- Chair
- First Vice-Chair
- Second Vice-Chair
- Secretary
- Treasurer
- Member-at-Large (three positions)

The Section Chair chairs the Section's organizational meetings and represents the Section as a voting member in the IEEE Region 1 Board of Governor meetings. The Vice-Chairs assist the Chair in the coordination of all Section activities, and chair Section meetings at the request of the Chair or in the absence of the Chair. The duties of the Secretary include correspondence, and record-keeping of the Section's meeting minutes, mailing notices and the submission of the meeting and officer reports. The duties of the Treasurer include the development of a Section budget for approval by the Section, accounting of all Section funds, maintenance of the Section's financial records, and the submission of the Section's financial operations report to IEEE Headquarters. The duties of the three Members-at-Large include the support of the Section's operations, assistance of the Chair, Secretary, and Treasurer, the organization of Section activities and the assessment of project proposals.

Please send your nomination to Adriaan J. van Wijngaarden, IEEE North Jersey Nomination Committee Chair (avw@ieee.org). Please include your name, address, IEEE membership number, and your e-mail, and please indicate the position(s) for which you would like the nominee to be considered. Self-nominations are encouraged. Please submit the nomination(s) by **July 31, 2020**.

Calendar of Past/Archived Events

Optoelectronic Oscillators Charge mmWave Synthesizers –MTT/AP, ED/CAS,

Date: 8 June 2020 **Time:** 06:30 PM to 07:30 PM

Location: Virtual Online Zoom Meeting-Link: <https://us02web.zoom.us/j/83816970981>; Password: 324792

Contact: Durga Misra: +1-973-596-5739, dmisra@ieee.org, Edip Niver: edip.niver@njit.edu

Anisha Apte: anisha_apte@ieee.org,

Speaker: Dr.-Ing. Habil Ajay Poddar of Indian Institute of Technology Jammu

IEEE SMC Seminar on - Systems thinking: Definition, Skills and Game-Based Learning – SMC

Date: 19 June 2020 **Time:** 10:00 AM to 11:10 AM

Location: Virtual Online WebEx Meeting Link: <https://njit.webex.com/join/zhou>

Contact: Prof. Mengchu Zhou (zhou@njit.edu)

Speaker: Mr. Ross Arnold, Sr. Research Engineer U.S. Army Combat Capabilities Development Command Armaments Center

30W Power Amplifier Design Flow using Wolfspeed GaN Large Signal Models in AWR – MTT-s

Date: 23 June 2020 **Time:** 12:00 PM to 01:00 PM

Location: Online: <https://www.naylornetwork.com/mtt-mkt2019/email01.asp?projid=121953>

Contact: Ajay K. Poddar: +1 201-560-3806, akpoddar@ieee.org, Anisha Apte: anisha_apte@ieee.org,
Edip Niver: edip.niver@njit.edu

Speaker: Eric Bonelli of Wolfspeed, Cree Company

Emerging mmWave Applications – AP/MTT

Date: 23 June 2020 **Time:** 12:00 PM to 02:00 PM

Location: <https://www.keysight.com/us/en/events/america/tradeshows/virtual-mmwave-innovations.html>

Contact: Ajay K. Poddar: +1 201-560-3806, akpoddar@ieee.org, Durga Misra: +1-973-596-5739, dmisra@ieee.org,
Anisha Apte: anisha_apte@ieee.org, Edip Niver: edip.niver@njit.edu

Presentation #1: Tackling Today's Emerging mmWave Applications, then Moving Beyond into 6G (60 Minutes)

Presentation #2: mmWave Communications Field Test for 5G, RADAR and Satellite (30 Minutes)

Measurement Teaser: The Challenges of Maintaining Accuracy of mmWave Measurements (15 Minutes)

Speaker 1: Greg Jue of Keysight Technologies **Speaker 2:** Rolland Zhang of Keysight Technologies

Pathwave Design and Test – AP/MTT

Date: 24 June 2020 **Time:** 12:00 PM to 02:00 PM

Location: <https://www.keysight.com/us/en/events/america/tradeshows/virtual-mmwave-innovations.html>

Contact: Ajay K. Poddar: +1 201-560-3806, akpoddar@ieee.org, Durga Misra: +1-973-596-5739, dmisra@ieee.org,
Anisha Apte: anisha_apte@ieee.org, Edip Niver: edip.niver@njit.edu

Presentation #1: EM/Circuit Co-Simulation (30 Minutes)

Presentation #2: Complex Circuit Analysis (30 Minutes)

Presentation #3: Phased-Array Design (30 Minutes)

Speaker 1: Jack Sifri MMIC/Module Design-Flow Specialist Keysight Technologies

Speaker 2: Dr. Ian Rippke System Simulation Product Manager of Keysight Technologies

Speaker 3: Matt Ozalas RF Power Amplifier & Module Design Expert of Keysight Technologies

Advanced mmWave Measurements – AP/MTT

Date: 25 June 2020 **Time:** 12:00 PM to 02:00 PM

Location: <https://www.keysight.com/us/en/events/america/tradeshows/virtual-mmwave-innovations.html>

Contact: Ajay K. Poddar: +1 201-560-3806, akpoddar@ieee.org, Durga Misra: +1-973-596-5739, dmisra@ieee.org,
Anisha Apte: anisha_apte@ieee.org, Edip Niver: edip.niver@njit.edu

Presentation #1: Demodulate 5G NR Signals (30 Minutes)

Presentation #2: High-Performance mmWave EVM Measurements (30 Minutes)

Presentation #3: Wideband and Modulated Frequency Converter Test (30 Minutes)

Speaker 1: Mr. Sean Lee Business Development Manager, Signal Analyzer and Signal Source Keysight Technologies

Speaker 2: Mr. Sam Kusano Communications Solutions, Industry Expert of Keysight Technologies

Speaker 3: Mr. Taku Hirato Product Manager

Speaker 4: Mr. David Tanaka Product Manager Keysight Technologies

Speaker 5: Mr. Joel Dunsmore Keysight Fellow Keysight Technologies

Integral Equation Methods for Solving Real-World Electromagnetic Problems – AP (DL-Talk)

Date: 26 June 2020 **Time:** 05:30 PM to 06:30 PM

Location: Registration Link: <https://us02web.zoom.us/j/86092235194> Password: 700473

Contact: Ajay K. Poddar: +1 201-560-3806, akpoddar@ieee.org, Anisha Apte: anisha_apte@ieee.org,

Speaker: Prof. Meisong Tong of Department of Electronic Science and Technology Tongji University, Shanghai, China

For up to date information, visit our website: [IEEE North Jersey Section](https://www.ieee.org/northjersey) . You do not have to be an IEEE member to attend any event.
The Section Executive Committee roster is at: <http://sites.ieee.org/northjersey/org/> Prior registration is encouraged and appreciated.