



THE IEEE NORTH JERSEY SECTION NEWSLETTER

Vol. 65, No. 10

NOVEMBER 2019

Calendar of Events

IEEE North Jersey Section EXCOM meeting - Teaneck, NJ

Date: 6 November 2019 **Time:** 06:00 PM to 08:30 PM

Location: Auditorium, M105, Muscarelle Center, 1000 River Road, Fairleigh Dickinson University, Teaneck, NJ 07666

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

History of Ionospheric Modification at HF and Arecibo – MTTs Distinguished Lecture

Date: 8 November 2019 **Time:** 05:45 PM to 08:00 PM

Location: ECE 202, NJIT, 154 Summit Street, Newark, NJ 07102

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

Speaker: Prof James K. Breakall, Penn State University, University Park, PA 16802

Short Talk: Prof. Julio Urbina, Penn State University, University Park, PA 16802

Interactive discussion about HamSCI and Conference:

IEEE North Jersey Section PACE meeting - Clifton, NJ – PACE

Date: 13 November 2019 **Time:** 06:30 PM to 8:30 PM

Location: Clifton Memorial Library, 292, Piaget Avenue, Clifton, NJ 07011

Contact: Russell Pepe - rcpepe@ieee.org

Speaker: Richard Tax - rtax@verizon.net

Designing and Making Custom Arduino Boards – CNNNJ Meeting

Date: 14 November 2019 **Time:** 06:30 PM to 08:30 PM

Location: Morris County Library, 30 East Hanover Avenue, Whippany, NJ 07981

Contact: Robert Walker at (973) 728-0344 or robert@rdwalker.com

Speaker: Steven Falco

Gas Insulated Substation Technology – PES/IAS/LM

Date: 15 November 2019 **Time:** 09:00 AM to 01:00 PM

Location: PSE&G - Hadley Road Facility, Auditorium, 4000 Hadley Road, South Plainfield, NJ 07080

Contact: Mike Miller - millerm@ieee.org, Ken Oexle k.oexle@ieee.org

Speaker: Thomas Schulz, Product Group Manager - High Voltage GIS, ABB Inc. Princeton, New Jersey

IEEE NORTH JERSEY SECTION – Short Courses

Big Data Market Research in Seven Saturdays (Instructor: Donald Hsu) - Education Committee

Date: 05 October 2019 **Time:** 09:00 AM to 12:00 PM (7 Saturdays, Oct 5, 12, 19, 26, Nov 2, 9, 16, 2019)

Location: New Jersey Institute Technology, Newark, NJ

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

Date: 05 October 2019 **Time:** 12:00 PM to 3:00 PM (7 Saturdays, Oct 5, 12, 19, 26, Nov 2, 9, 16, 2019)

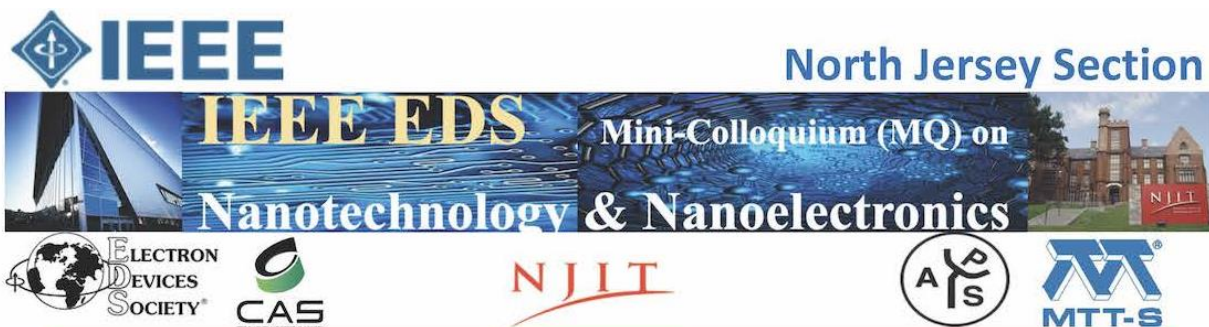
Location: New Jersey Institute Technology, Newark, NJ

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

Contact: Donald Hsu: yanyou@hotmail.com

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- **This Month's Communications Society News from Around the World**
- **“An IEEE Giant” - An article by Harry Roman**
- **ED/CAS, AP/MTT Co-Sponsors: Mini-Colloquium (MQ) on Nanotechnology and Nanoelectronics - “IEEE Electron Device Society Mini-Colloquium and Distinguished Lecture Program”**



**IEEE EDS Nanotechnology Technical Committee
& North Jersey ED/CAS & AP/MTT Chapters
Wednesday, December 4, 2019**

SPEAKERS

Prof. Moshe Kam
Dean, Newark College of Engineering
Past President, IEEE: Introduction



Dr. Fernando Guarin
IEEE EDS President 2018-2019
Introduction: IEEE EDS

Prof. Navakanta Bhat
Indian Institute of Science, India
High Performance Gas Sensors using 2D
Nanomaterials



Prof. Michael Shur
Rensselaer Polytechnic Institute, USA
Nanoplasmonic TeraFETs for Terahertz Applications

Dr. MK Radhakrishnan
NANOREL, Singapore
Interface Physics, Reliability and Analysis
Challenges in Si Nanodevices



Dr. Bin Zhou
ON Semiconductors, USA
Power Management Solutions Enabled by Mixed-Signal
Technologies and Intelligence

Prof. Dr. Ulrich Rohde
Synergy Microwave Corp., NJ, USA
Emerging Trend in 5G, IoT and SDR



Prof. Bipin Rajendran
New Jersey Institute of Technology, USA
Designing Learning Systems based on Nanoscale
Devices

Venue: Department of Electrical and Computer Engineering, NJIT, Room: ECEC 202

Parking: 154 Summit Street, Newark, NJ 07102

Sponsors: IEEE EDS, North Jersey ED/CAS and AP/MTT Chapters and NJIT

Registration: <https://events.vtools.ieee.org/m/204002>

Registration Fee: None

Last Day to Register: December 1, 2019

Committee: Chair: Dr. Durga Misra, ECE Dept., NJIT, +1-973-596-5739, dmisra@njit.edu

Co-Chair: Dr. Ajay Poddar, Synergy Microwave Corp, +1- 201-560-3806, akpoddar@ieee.org

**All Welcome: You Don't have to be an IEEE Member to attend this event
Must Register to Attend**

For up to date information, visit our website: [IEEE North Jersey Section](http://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.