



# THE IEEE NORTH JERSEY SECTION NEWSLETTER

Vol. 64, No. 7

AUGUST 2018

## Calendar of Events

<b>July 24</b>	<b>6:00 PM to 7:30 PM</b>	<b>MTT/AP ED/CAS</b>	<b>Metasurface: Engineering Electromagnetic Wavefronts</b>	<b>Dr. Mohamed Salem</b>
<b>Location:</b>	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			
<b>Contact:</b>	Ajay Poddar Anisha Apte	<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a> <a href="mailto:anisha_apte@ieee.org">anisha_apte@ieee.org</a>	Edip Niver Durga Misra	<a href="mailto:edip.niver@njit.edu">edip.niver@njit.edu</a> <a href="mailto:dmisra@ieee.org">dmisra@ieee.org</a> Getting to NJIT
<b>July 31</b>	<b>6:30 PM to 7:30 PM</b>	<b>MTT/AP ED/CAS, WIE</b>	<b>gFK method and kMUSIC methods for estimating Direction of Arrival (DOA)</b>	<b>Dr. Kaluri V. Ranga Rao</b>
<b>Location:</b>	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			
<b>Contact:</b>	Ajay Poddar Anisha Apte	<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a> <a href="mailto:anisha_apte@ieee.org">anisha_apte@ieee.org</a>	Edip Niver Durga Misra	<a href="mailto:edip.niver@njit.edu">edip.niver@njit.edu</a> <a href="mailto:dmisra@ieee.org">dmisra@ieee.org</a> Getting to NJIT
<b>Aug 1</b>	<b>6:00 PM to 8:45 PM</b>	<b>IEEE North Jersey Section</b>	<b>IEEE North Jersey Section EXCOM meeting - Murray Hill, NJ</b>	<b>Kalyan Mondal</b>
<b>Location:</b>	Nokia-Bell Labs, Room 6A-106, 600, Mountain Avenue, Murray Hill, NJ 07974,			
<b>Contact:</b>	Kalyan Mondal		<a href="mailto:k.mondal@ieee.org">k.mondal@ieee.org</a>	Getting to Nokia Bell Labs - Murray Hill
<b>Aug 23</b>	<b>10:00 AM to 12:00 PM</b>	<b>Princeton-Central Jersey Sec Jt Chapter, North Jersey MTT/AP ED/CAS</b>	<b>MIMO, Multiuser MIMO, and Massive MIMO</b>	<b>Prof. Dr. Abbas Omar</b>
<b>Location:</b>	Rutgers University Busch Campus ECE bldg, 94 Brett Rd., Piscataway, NJ 08854, Room#:240			
<b>Contact:</b>	Ajay Poddar Allen Katz	<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a> <a href="mailto:alkatz@tcnj.edu">alkatz@tcnj.edu</a>	Li Zhu (Victor Zhu) Chung-Tse Michael Wu	<a href="mailto:zhulivictor@gmail.com">zhulivictor@gmail.com</a> <a href="mailto:ctm.wu@rutgers.edu">ctm.wu@rutgers.edu</a> Getting to RU ECE Busch Campus
<b>Aug 23</b>	<b>6:30 PM to 7:30 PM</b>	<b>MTT/AP ED/CAS, WIE</b>	<b>Antenna Techniques for Advanced Magnetic Resonance Imaging</b>	<b>Prof. Dr. Abbas Omar</b>
<b>Location:</b>	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			
<b>Contact:</b>	Ajay Poddar Anisha Apte	<a href="mailto:akpoddar@ieee.org">akpoddar@ieee.org</a> <a href="mailto:anisha_apte@ieee.org">anisha_apte@ieee.org</a>	Edip Niver Durga Misra	<a href="mailto:edip.niver@njit.edu">edip.niver@njit.edu</a> <a href="mailto:dmisra@ieee.org">dmisra@ieee.org</a> Getting to NJIT
<b>Sept 5</b>	<b>6:00 PM to 8:45 PM</b>	<b>IEEE North Jersey Section</b>	<b>IEEE North Jersey Section EXCOM meeting - Newark, NJ</b>	<b>Kalyan Mondal</b>
<b>Location:</b>	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			
<b>Contact:</b>	Kalyan Mondal		<a href="mailto:k.mondal@ieee.org">k.mondal@ieee.org</a>	Getting to NJIT

## • IEEE NORTH JERSEY SECTION – Short Courses

<b>July 11 - Aug 29</b>	<b>7:00 PM to 8:00 PM</b>	<b>Education Committee/Pre-University</b>	<b>IEEE Summer of Scratch program for elementary kids in grades K-4 - Seven weekly classes (July 11, 18, 25, August 1, 8, 15, 22, 29, 2018)</b>	<b>Jyoti Sharma</b>
<b>Location:</b>	Cora Hartshorn Arboretum, 324 Forest Drive South, Short Hills, NJ 07078			<b>Getting to Cora Hartshorn Arboretum</b>
<b>Contact:</b>	Jyoti Sharma	drjyotibali@gmail.com		
<b>Sept 29 – Nov 10</b>	<b>9:00 AM to 12:00 PM</b>	<b>Education Committee/ComSoc</b>	<b>Introduction to Python Programming</b>	<b>Amit Patel</b>
<b>Location:</b>	FDU Metropolitan Campus, Becton Building, 960, River Rd, Teaneck, NJ 07666,			<b>Getting to FDU Metropolitan Campus</b>
<b>Contact:</b>	Amit Patel	a.j.patel@ieee.org	Kalyan Mondal k.mondal@ieee.org	
<b>Oct 6 – Dec 8</b>	<b>9:00 AM to 12:00 NOON</b>	<b>Education Committee / NJIT</b>	<b>C#.Net Programming in Seven Saturdays</b> Seven weekly classes (Oct 6, 13, 20, 27, Nov 3, 10, 17, 2018)	<b>Donald Hsu</b>
<b>Location:</b>	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			<b>Getting to NJIT</b>
<b>Contact:</b>	Donald Hsu		yanyou@hotmail.com	
<b>Oct 6 – Nov 17</b>	<b>12:00 PM to 3:00 PM</b>	<b>Education Committee / NJIT</b>	<b>Big Data Market Research in Seven Saturdays</b> Seven weekly classes (Oct 6, 13, 20, 27, Nov 3, 10, 17, 2018)	<b>Donald Hsu</b>
<b>Location:</b>	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			<b>Getting to NJIT</b>
<b>Contact:</b>	Donald Hsu		yanyou@hotmail.com	
<b>Nov 3 - Dec 8</b>	<b>10:00 AM to 12:30 PM</b>	<b>CS</b>	<b>FPGAs for Embedded Systems I in 5 Saturdays</b> Five weekly classes (Nov 3, 10, 17, Dec 1, 8, 2018)	<b>Cherif Chibane</b>
<b>Location:</b>	FDU Metropolitan Campus, Becton Building, 960, River Rd, Teaneck, NJ 07666,			<b>Getting to FDU Metropolitan Campus</b>
<b>Contact:</b>	David Haessig		david.a.haessig@njit.edu	

## IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- **This Month's Communications Society News from Around the World**
- **"R&D Labs—Edison's Greatest Invention" - An article by Harry Roman**
- **15 September 2018 09:30 AM to 03:30 PM 2018 IEEE North Jersey Advanced Communications Symposium** Stevens Institute of Technology, Babbio Center, 525 River Street, Hoboken, NJ 07030  
**Contact:** Yu-Dong Yao, Symposium Chair, yyao@stevens.edu, Adriaan van Wijngaarden, Program Chair, avw@ieee.org
- **1-5 October 2018 08:30 AM to 06:30 PM HFES 2018 International Annual Meeting** Philadelphia Marriott, Philadelphia, PA



**HFES 2018**  
International Annual Meeting  
October 1–5  
Philadelphia Marriott, Philadelphia, PA



**Forward-thinking research and application for YOU**

@ #HFES2018!

- **Guest Speakers** with valuable knowledge
- **Receptions** for students, early-career professionals, and poster attendees
- **On-Site Career Center** to explore new opportunities
- **Workshops** featuring hands-on learning
- **Interactive Posters** and Demos from young professionals to accomplished Fellows
- **Networking** with colleagues, friends, and mentors from around the world
- **Special plenaries** on hot topics
- **Practitioner Track and UX Day** for skill-building insights
- **In-depth studies** in 120 concurrent sessions
- **Refreshments** to keep you going throughout the day
- **Experiences** and connections to last a lifetime



THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC.  
**IEEE**  
**NORTH JERSEY SECTION**  
 MTT-Society and AP-Society Joint Chapter  
 PRESENTS

**33<sup>rd</sup> ANNUAL SYMPOSIUM AND MINI-SHOW**  
**FOCUS:**  
**SELECTED TOPICS IN RF AND MICROWAVE TECHNOLOGIES FOR**  
**COMMERCIAL AND MILITARY APPLICATIONS**

**DATE: THURSDAY OCTOBER 4, 2018**

**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 <http://www.ieee.org/go/njsection> by September 2018.**

**Registration:**

**For further information contact:**

CHAIR - GENERAL-EXHIBITION  
 CHAIR - TECHNICAL PROGRAMS  
 PUBLICITY  
 EVENT/ LOCATION CO-ORDINATOR  
 CO-CHAIR-TECHNICAL PROGRAMS  
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 APS/MTTS CHAPTER VICE-CHAIR  
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**THERE IS NO CHARGE TO ATTEND THE SYMPOSIUM OR SHOW.**

For up to date information, visit our website: [IEEE North Jersey Section](http://www.ieee.org/go/njsection). 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.