



THE IEEE NORTH JERSEY SECTION NEWSLETTER

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OCTOBER 2018

Calendar of Events

Sept 12	6:30 PM to 8:30 PM	CNNNJ	Networking for Introverts, Extroverts and In-Between-Verts	Speaker
Location:	Morris County Library, 30 East Hanover Avenue, Whippany, NJ 07981			
Contact:	Robert Walker	(973) -728 0344 or visit www.TechnologyOnTap.org		
Sept 14	6:30 PM to 7:30 PM	MTT/AP ED/CAS	Tutorial: Designing Low Noise Microwave Amplifier	Prof. Ulrich Rohde
Location:	201, McLean Boulevard, Paterson, NJ 07504			
Contact:	Ajay Poddar	akpoddar@ieee.org		
Oct 3	5:45 PM to 8:30 PM	IEEE North Jersey Section	IEEE North Jersey Section EXCOM meeting - Clifton, NJ	Kalyan Mondal
Location:	Clifton Public Library - Allwood branch, Activity Room, 44 Lyall Road, Clifton, NJ 07974			
Contact:	Kalyan Mondal	k.mondal@ieee.org		
Oct 4	8:15 AM to 5:00 PM	MTT/AP-s	33rd Annual Symposium and Mini-Show	Multi-Speakers
Location:	Hanover Manor, 16 Eagle Rock Avenue, East Hanover, NJ 07936			
Contact:	Kirit Dixit	kdixit@ieee.org		
Oct 9	2:00 PM to 4:00 PM	CS/SP MTT/AP	FFT Tutorial and Applied DSP Magic: Cascade Polyphase Filter	Fred Harris
Location:	FDU Metropolitan Campus, Auditorium, M105, Muscarelle Center, 960, River Rd, Teaneck, NJ 07666			
Contact:	Hong Zhao	zhao@fdu.edu (201)-692-2350	Alfredo Tan Ajay Poddar	tan@fdu.edu akpoddar@ieee.org
				Howard Leach h.leach@ieee.org
Oct 10	5:45 PM to 7:30 PM	ED/CAS, MTT/AP	Electronics On Anything: How Thin Film Electronics can Instrument the World	Ioannis (John) Kymissis
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			
Contact:	Durga Misra Edip Niver	dmisra@ieee.org edip.niver@njit.edu	Ajay Poddar Anisha Apte	akpoddar@ieee.org anisha_apte@ieee.org
Oct 11	12:00 PM to 4:00 PM	IEEE TAB, PES, MTT/AP	Power and Energy Infrastructures and Smart Grid Lectures	Wanda Reder
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			
Contact:	Durga Misra Edip Niver	dmisra@ieee.org edip.niver@njit.edu	Ajay Poddar Anisha Apte	akpoddar@ieee.org anisha_apte@ieee.org

PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Oct 16	4:30 PM to 6:00 PM	CS/AES	Resonance-based Signal Analysis for Speech, Biomedical, and Geophysical Applications			Prof. Ivan Selesnick
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102					
Contact:	David Haessig		david.haessig@baesystems.com			
Oct 17	11:00 AM to 12:00 PM	CS/SP	Think Small: Practical Virtualization for Mobile Devices			Dr. Paul Ratazzi
Location:	FDU Metropolitan Campus, Auditorium, M105, Muscarelle Center, 960, River Rd, Teaneck, NJ 07666					
Contact:	Hong Zhao	zhao@fdu.edu (201)-692-2350	Alfredo Tan	tan@fdu.edu	Howard Leach	h.leach@ieee.org
Oct 18	6:00 PM to 8:00 PM	IM	Restricted Substances - What requirements are applicable to my product?			David Linder
Location:	SGS North America, 291 Fairfield Ave, Fairfield, NJ 07004					
Contact:	Dan Roman		dan.roman@ieee.org			
Oct 23	2:00 PM to 3:00 PM	CS/SP	Implementing Crowdsourcing Marketplace using Open Blockchain			Dr. Grace Guiling Wang
Location:	FDU Metropolitan Campus, Auditorium, M105, Muscarelle Center, 960, River Rd, Teaneck, NJ 07666					
Contact:	Hong Zhao	zhao@fdu.edu (201)-692-2350	Alfredo Tan	tan@fdu.edu	Howard Leach	h.leach@ieee.org
Oct 25	2:00 PM to 2:30 PM	LM	[Legacy Report] Life Member Election Meeting			Michael A Miller
Location:	Hanover Manor, 16 Eagle Rock Avenue, East Hanover, NJ 07936					
Contact:	Michael A Miller		millerm@ieee.org			
Oct 25	11:30 AM to 4:00 PM	LM	Life Member and PES/IAS Luncheon			Michael A Favetta
Location:	Hanover Manor, 16 Eagle Rock Avenue, East Hanover, NJ 07936					
Contact:	Ken Oexle	koexle@ieee.org	Michael A Miller	millerm@ieee.org		
Oct 26	9:00 AM to 2:00 PM	PES/IES/LM	Battery Monitoring, Sub Station Reliability and NERC Compliance			Michael D. Phillips
Location:	Auditorium, 4000 Hadley Road, South Plainfield, NJ 07080					
Contact:	Ken Oexle		koexle@ieee.org			
Nov 16	9:00 AM to 2:00 PM	PES/IES/LM	Transfer Switches			Ronald A. Schroeder Victor E. Bonachea
Location:	Auditorium, ASCO Power Technologies, 160 Park Avenue, Florham Park, NJ 07932					
Contact:	Ken Oexle		koexle@ieee.org			
Nov 16	1:00 PM to 2:00 PM	PES/IES/LM	PES and IAS Election Meeting			Michael A Miller
Location:	Auditorium, 4000 Hadley Road, South Plainfield, NJ 07080					
Contact:	Ken Oexle		koexle@ieee.org			

Mar 22 2019	9:00 AM to 2:00 PM	PES/IES/LM	Battery Storage Financial Analysis	Gabriel Paoletti
Location:	Auditorium, 4000 Hadley Road, South Plainfield, NJ 07080			
Contact:	Ken Oexle	koexle@ieee.org		

• **IEEE NORTH JERSEY SECTION – Short Courses**

Oct 6 – Dec 8	9:00 AM to 12:00 NOON	Education Committee / NJIT	C#.Net Programming in Seven Saturdays Seven weekly classes (Oct 6, 13, 20, 27, Nov 3, 10, 17, 2018)	Donald Hsu
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			
Contact:	Donald Hsu	yanyou@hotmail.com		

Oct 6 – Nov 17	12:00 PM to 3:00 PM	Education Committee / NJIT	Big Data Market Research in Seven Saturdays Seven weekly classes (Oct 6, 13, 20, 27, Nov 3, 10, 17, 2018)	Donald Hsu
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			
Contact:	Donald Hsu	yanyou@hotmail.com		

Nov 3 - Dec 8	10:00 AM to 12:30 PM	CS	FPGAs for Embedded Systems I in 5 Saturdays Five weekly classes (Nov 3, 10, 17, Dec 1, 8, 2018)	Cherif Chibane
Location:	FDU Metropolitan Campus, Becton Building, 960, River Rd, Teaneck, NJ 07666			
Contact:	David Haessig	david.a.haessig@njit.edu		

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- **This Month's Communications Society News from Around the World**
- **"Uncle John" - An article by Harry Roman**
- **1-5 October 2018 08:30 AM to 06:30 PM HFES 2018 International Annual Meeting** Philadelphia Marriott, Philadelphia, PA
- **MTT/AP-S 33rd ANNUAL SYMPOSIUM AND MINI-SHOW**
- **IEEE Drones for Infrastructure - Day 1**



NORTH JERSEY SECTION
MTT-Society & AP-Society Joint Chapters
PRESENTS



33rd ANNUAL SYMPOSIUM AND MINI-SHOW

THURSDAY OCTOBER 4, 2018

Hanover Manor, 16 Eagle Rock Ave., East Hanover, NJ 07936, Ph.: 973-992-7425

MINI SHOW FEATURING LATEST PRODUCTS - (9:30 AM TO 4:00 PM)

TECHNICAL SESSIONS (8:30AM to 5:00 PM)

Time	Topic	Speakers	Title	Affiliation
8:35	Opening Remarks	George Kannell	Technical Chair IEEE MTT/AP NJ	GDMS
8:45-9:30	Filter Design, Nonresonating Modes Do It Better	Dr. Simone Bastioli	Acting Chief Engineer	RS Microwave Company
9:30-10:00	RAN Fronthaul Standardization	Mike Garyantes	Technical Manager	Nokia
10:00	BREAK - MINI SHOW EXHIBITION			
10:30-11:00	Direction Finding using Software Defined Radio	Beth Flippo	VP Embedded Software Development	Telegriid Technologies
11:00-11:30	Metamaterial Antenna Arrays for Sensing and Detection	Dr. Chung-Tse Michael Wu	Assistant Professor	Department of EE & CE, Rutgers University
11:30-12:00	CBRS Spectrum Sharing , A New Approach to Wireless LTE deployment	Luke Getto	Director of Product Management	Wireless Telecom Group
12:00	COMPLEMENTARY LUNCH - MINI SHOW EXHIBITION			
1:00-1:30	Rapid, Low-Energy Interferer Detection Using the Direct Space-to-Information Converter RF-ASIC	Matthew Bajor	Senior Engineer	Columbia University, Aspen Consulting
1:30-2:00	New Frontiers for Wireless Technology Using Metamaterials	Dr. Andrea Alù	Founding Director and Einstein Professor	CUNY Advanced Research Ctr
2:00	BREAK - MINI SHOW EXHIBITION			
2:30-3:00	Ambient RF Energy Harvesting	Dr. Reena Dahle	Assistant Professor, Electrical Engineering	SUNY, New Paltz
3:00-3:30	VHDL Auto-Generation for Software Defined Radios	Dr. David Haessig	Senior Principle Systems Engineer	BAE
3:30-5:00	Wideband Channelizer Implementation	Dr. Fred Harris	Professor of Electrical Engineering	University of California San Diego
5:00	Closing remarks	Kirit Dixit	Chair IEEE MTT/AP NJ Symposium	Microcom Sales

Registration is on-site. Section Home page: <http://sites.ieee.org/northjersey/>

ALL ARE WELCOME (IEEE Membership not required). REGISTRATION IS ON-SITE
THERE IS NO CHARGE TO ATTEND THE SYMPOSIUM OR SHOW.
COMPLEMENTARY BREAKFAST / LUNCH INCLUDED FOR ALL.

FOR FURTHER INFORMATION

General Event Chair	Kirit Dixit	201-669-7599	kdixit@microcomsales.com
Technical Program Chair	George Kannell	973-437-9990	george.kannell@gd-ms.com
Event Coordinator:	Ken Oexle		k.oexle@ieee.org
Event Coordinator:	Har Dayal	973-633-4618	dayalhar@gmail.com
Event Coordinator:	Russell Pepe	201-960-6796	rpepe@att.net
Event Coordinator:	Howard Leach		h.leach@ieee.org
MTT/AP Chapter Chair	Dr. Ajay Poddar	201-560-3806	akpoddar@synergymwave.com
MTT/AP Chapter Vice Chair	Professor Edip Niver	973-596-3542	edip.niver@njit.edu
Section Chair	Dr. Kalyan Mondal		mondal@fdu.edu



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

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.