



THE IEEE NORTH JERSEY SECTION NEWSLETTER

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MAY 2018

Calendar of Events

Apr 12	5:30 PM to 7:00 PM	CATT, IEEE IT NY/NJ Chapter	The Modern Story of Wireless: A Personal Perspective	Prof. Nambi Seshadri
Location:	6 MetroTech Center, MakerSpace, Brooklyn, NY 11201			Getting to MakerSpace NY
Contact:	Prof. Elza Erkip	elza@nyu.edu	Adriaan J. van Wijngaarden	avw@ieee.org
Apr 12	5:30 PM to 7:00 PM	MTT/AP-S	Graphene: Emerging Applications	Prof. Dr.-Ing. habil Ajay K. Poddar
Location:	201, McLean Boulevard, Paterson, NJ 07504			Getting to Synergy Microwave Corp
Contact:	Ajay Poddar	akpoddar@ieee.org	Anisha Apte	anisha_apte@ieee.org
Apr 13	3:00 PM to 4:30 PM	MTT/AP-S	Dark Matter	Dr. Ulrich L. Rohde
Location:	201, McLean Boulevard, Paterson, NJ 07504			Getting to Synergy Microwave Corp
Contact:	Ajay Poddar	akpoddar@ieee.org	Anisha Apte	anisha_apte@ieee.org
Apr 20	12:30 PM to 1:30 PM	MTT/AP-S	RF MEMS Switching Devices for 5G and IoT Applications	Dr. Shiban Koul
Location:	201, McLean Boulevard, Paterson, NJ 07504			Getting to Synergy Microwave Corp
Contact:	Ajay Poddar	akpoddar@ieee.org	Anisha Apte	anisha_apte@ieee.org
Apr 20	2:00 PM to 3:30 PM	MTT/AP-S	RF MEMS Phase Shifter for 5G and IoT Applications	Dr. Shiban Koul
Location:	201, McLean Boulevard, Paterson, NJ 07504			Getting to Synergy Microwave Corp
Contact:	Ajay Poddar	akpoddar@ieee.org	Anisha Apte	anisha_apte@ieee.org
Apr 24	5:30 PM to 7:00 PM	MTT/AP ED/CAS	High Isolation Full Duplex Communication Antennas	Dr. Ibrahim Tekin
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			Getting to NJIT
Contact:	Ajay Poddar	akpoddar@ieee.org	Edip Niver	edip.niver@njit.edu
	Anisha Apte	anisha_apte@ieee.org	Durga Misra	dmisra@ieee.org
Apr 26	5:30 PM to 7:15 PM	IM	Power Quality Basics	Ed Russo
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			Getting to NJIT
Contact:	Russell Pepe	(201)-960-6796	rcpepe@ieee.org	

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

May 4	5:30 PM to 6:30 PM	MTT/AP-S	Millimeter Wave Frequency Generation: Revisiting OEO Technology	Prof. Dr. Ing. habil Ajay K. Poddar
Location:	201, McLean Boulevard, Paterson, NJ 07504			Getting to Synergy Microwave Corp
Contact:	Ajay Poddar	akpoddar@ieee.org	Anisha Apte	
May 6	3:00 PM to 6:00 PM	IEEE North Jersey Section	IEEE North Jersey Section Awards Banquet - 2018	Kalyan Mondal
Location:	Birchwood Manor, 111 North Jefferson Road, Whippany, NJ			Getting to Birchwood Manor
Contact:	Kalyan Mondal Adriaan J. van Wijngaarden Ken Oexle		k.mondal@ieee.org avw@ieee.org k.oexle@ieee.org	
May 8	5:00 PM to 7:00 PM	MTT/AP-S	Frequency selective structures and Antenna Design for IoT Applications	Dr. Ulrich L. Rohde
Location:	201, McLean Boulevard, Paterson, NJ 07504			Getting to Synergy Microwave Corp
Contact:	Ajay Poddar	akpoddar@ieee.org	Anisha Apte	
May 9	3:30 PM to 4:30 PM	CATT, IEEE IT & Jersey Coast	Closed-Form Capacity Expressions for Non- Orthogonal Multiple-Access	Ori Shental
Location:	Nokia Bell Labs, Building: Crawford Hill, 791 Holmdel Road, Holmdel, NJ 07733			Getting to Nokia Bell Labs, Holmdel
Contact:	Adriaan J. van Wijngaarden		avw@ieee.org	
May 9	6:30 PM to 8:45 PM	PACE	Contract Engineering	Richard Tax Russell Pepe
Location:	Clifton Memorial Library, 292, Piaget Ave, Clifton, NJ 07011			Getting to Clifton Memorial Library (973) 772-5500
Contact:	Richard Tax	rtax@verizon.net	Russell Pepe	
May 10	4:00 PM to 6:00 PM	MTT/AP-S	Introduction to Modern Signal Generation; from Analog to Digital: Needs, Advantages, Disadvantages and "Solutions"	Dr. Ulrich L. Rohde
Location:	201, McLean Boulevard, Paterson, NJ 07504			Getting to Synergy Microwave Corp
Contact:	Ajay Poddar	akpoddar@ieee.org	Anisha Apte	
May 10	6:30 PM to 8:30 PM	CNNNJ	The New Tax Law – How It Affects You	Mariana Moghadam
Location:	Morris County Library, 30 East Hanover Avenue, Whippany, NJ 07981			Getting to Morris County Library
Contact:	Robert Walker		(973) -728 0344 or visit www.TechnologyOnTap.org	
May 11	5:30 PM to 8:00 PM	MTT/AP ED/CAS/SIGHT	Transistor Evolution: From MOSFET to Tunnel- FET	Prof. Dr. Joao Antonio Martino
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			Getting to NJIT
Contact:	Ajay Poddar Anisha Apte	akpoddar@ieee.org anisha_apte@ieee.org	Edip Niver Durga Misra	

May 25	5:30 PM to 8:00 PM	PES / IAS / LM	Transformers	Prof. Dr. Joao Antonio Martino
Location:	Auditorium, 4000 Hadley Road, South Plainfield, NJ 07080			Getting to PSE&G South Plainfield
Contact:	Ken Oexle	koexle@ieee.org		
June 6	6:00 PM to 9:00 PM	IEEE North Jersey Section	IEEE North Jersey Section EXCOM meeting - Clifton, NJ	Kalyan Mondal
Location:	Clifton Memorial Library, Activity Room, 292 Piaget Ave, Clifton, NJ 07011			Getting to Clifton Memorial Library
Contact:	Kalyan Mondal	k.mondal@ieee.org		

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

June 23 - Aug 11	12:00 PM to 3:00 PM	Education Committee / NJIT	Big Data Market Research in Seven Saturdays Seven weekly classes (June 23, 30, July 14, 21, 28, August 4, 11, 2018)	Donald Hsu
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			Getting to NJIT
Contact:	Donald Hsu	yanyou@hotmail.com		
June 23 - Aug 11	9:00 AM to 12:00 NOON	Education Committee / NJIT	C#.Net Programming in Seven Saturdays Seven weekly classes (June 23, 30, July 14, 21, 28, August 4, 11, 2018)	Donald Hsu
Location:	NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102			Getting to NJIT
Contact:	Donald Hsu	yanyou@hotmail.com		

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS AND REMINDERS:

- [This Month's Communications Society News from Around the World](#)
- ["Working With Little Ones"](#) - An article by Harry Roman
- ["Thinking about Becoming a Technical Sales Engineer? The Basics: Part 2"](#) - An Article by Russell Pepe
- **IEEE Participated in Rutgers UNITE**

On Sunday, 15 April, 2018, a team of seventeen employees of IEEE working at the IEEE Operations Center in Piscataway, NJ participated in the annual Rutgers UNITE Half Marathon & 8K as a fundraiser to support IEEE humanitarian activities through the IEEE Foundation.

Donations to support this particular activity can still be made at <https://www.crowdrise.com/o/en/campaign/ieee/stephenwilkowski> and are greatly appreciated by the participants, IEEE and the people worldwide whose lives are transformed through the power of technology and education. An annotation, such as, "Member of North Jersey Section of IEEE", can be entered in the field

Support of the IEEE Foundation is most appreciated.

Respectfully,
 Stephen WILKOWSKI
 Proud Member of IEEE for Thirty-Seven Years, Humble Employee of IEEE for Ten Months
<https://ieee-collabratec.ieee.org/app/p/StephenWILKOWSKI>
 P.S. It was cold and windy and at my age of fifty-nine years I am quite satisfied with my time of just under an hour for the 8 Kilometres = 5 Miles



8K
 Stephen WILKOWSKI at the FINISH in 59:12
 Pace 11:55 min/Mile
 Time of Arrival: 9:15 AM

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