IEEE North Jersey Advanced Communications Symposium

Stevens Institute of Technology, Hoboken, NJ
Saturday, September 20, 2014

General Chair
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Co-Sponsored by
IEEE North Jersey Section
IEEE North Jersey Communications Society Chapter
IEEE North Jersey Computer Society Chapter
IEEE North Jersey/New York Information Theory Society Chapter
IEEE North Jersey Vehicular Technology Society Chapter
IEEE New Jersey Coast Communications Society Chapter
IEEE New Jersey Coast AP/VT/EMC Societies Joint Chapter
IEEE New Jersey Coast Computer/Communications Society Joint Chapter
IEEE Princeton/Central Jersey Computer, Communication Society Chapter

The 2014 IEEE North Jersey Advanced Communications Symposium will be held at the **Babbio Center**, Stevens Institute of Technology, in Hoboken, NJ, on Saturday, September 20, 2014. The symposium consists of six invited presentations and a parallel poster session. The symposium program will cover advanced topics in communications, including small cells, internet-of-things, self-organizing networks and software defined networks. The posters will be presented by graduate students and postdocs. Poster presentations will be on display all day and special dedicated exhibition times are scheduled for all attendees. There will be two categories of poster awards: the 2014 IEEE North Jersey Section Wireless Communications Poster Awards and the 2014 IEEE North Jersey Section Data Networking Poster Awards. There will be plenty of opportunities to interact with presenters and network with peers.

Symposium Program

08:15–09:00 **Registration, Meet and Greet, Poster Set-Up**

09:00–09:15 **Opening Remarks**
Amit Patel, *Symposium Chair and IEEE Communications Society Chapter Chair*

09:15–10:00 **Ultra Low Power, Short Range Wireless Communications: From Using RF Pulses to Ultrasound Clicks**
Dr. Peter Kinget, *Professor,* Columbia University

10:00–10:30 **Coffee Break**

10:30–11:15 **Small Cells – Big Impacts: Performance Improvements and Deployment Challenges**
Dr. Amit Mukhopadhay, *Director,* Wireless Network Modeling, Bell Labs, Alcatel-Lucent

11:15–12:00 **The Exponential Growth of the Internet-of-Things**
Joe Jesson, *Adjunct Professor,* TCNJ, and *CTO,* Assurenet

12:00–13:30 **Lunch and Poster Presentations**

13:30–14:15 **Backhauling in TV White Spaces**
Dr. Narayan Mandayam, *Professor,* WINLAB, Rutgers University

14:15–15:00 **Role of Software Defined Networking in Mobile Networks**
Colin Kahn, *member, Corporate CTO,* Bell Labs, Alcatel-Lucent

15:00–15:30 Coffee Break

15:30–16:15 **Self-Organizing Networks**
Dr. Rudra Kumar Shivalingaiah, *Senior Staff Engineer,* Qualcomm Technologies, Inc.

16:00–16:30 **Poster Awards**
Dr. Hong Man, *Professor,* Stevens Institute of Technology

16: 30–16:45 **Closing Remarks**

16: 45–17:15 **Networking**

Registration	before Sep. 14, 2014	after Sep. 14, 2014
IEEE member	$ 25.00	$ 35.00
IEEE student member/graduate student member/life member	$ 15.00	$ 20.00
Non-member	$ 40.00	$ 50.00
Non-member (student/graduate student)	$ 25.00	$ 30.00

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For more information and registration, please check: **http://sites.ieee.org/northjersey/events/2014-njacs**