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## Distinguished Lecturer Series



### Ari Trachtenberg

Professor of ECE at Boston University  
Visiting Professor of EE at the Technion

## Who pwns your phone ?

**Abstract:** Today's smartphones offer a wealth of attack surfaces at all abstraction layers. This talk will cover some of my favorite phone-compromise techniques from the recent literature, including bypassing application signatures, learning from sensor data, USB takeover, GSM subsystem infiltration, and hiding in SSD memory. Some of the work presented will be from my own lab, and I will also discuss several somewhat effective mitigation techniques.

**Ari Trachtenberg is a Professor of ECE at Boston University and a Visiting Professor of EE at the Technion (with its Computer Engineering Center). He received his PhD and MS in Computer Science from the University of Illinois at Urbana/Champaign, and his SB from MIT in Math/CS. His research interests include cyber security (smartphones, offensive and defensive), networking (security, sensors, localization); algorithms (data synchronization, file edits, file sharing), and error-correcting codes (rate less coding, feedback).**

**12:00-13:00 on Tuesday, December 10, 2013,  
Harry and Carol Saal Auditorium, Alon Building for Hi-Tech (37/202).**