



AGENDA

DECEMBER 6, 2005
RESEARCH REVIEW

AM Session 9:00AM – 12:45 PM
Rutgers/EDA Tech Center II
671 Route 1 South
North Brunswick, NJ

- 9:00 – 9:05 AM Welcoming Remarks
Prof. D. Raychaudhuri – WINLAB
- 9:05 – 9:20 AM Overview of Security and Privacy Work at WINLAB
Prof. Wade Trappe – WINLAB

SECURING THE WIRELESS PHY, MAC AND NETWORK LAYERS

- 9:20 – 9:40 AM How to Misbehave with Commercial 802.11 Devices
Kishore Ramachandran and Sachin Ganu – WINLAB
- 9:40 – 10:00 AM Light-weight, Relationship-based MAC Layer Defenses
for Wireless Networks
Qing Li – WINLAB
- 10:00 – 10:20 AM Survivable Routing in Wireless Ad Hoc Networks
Ioannis Avromopoulos and Prof. Hisashi Kobayashi – Princeton University
- 10:20 – 10:40 AM Jamming Wireless Networks: Attack and Defense Strategies
Wenyuan Xu – WINLAB
- 10:40 – 11:00 AM Spectrum Warfare and Attacks on Wireless Resources
Prof. Christopher Rose – WINLAB
- 11:00 – 11:15 AM BREAK

11:15 AM – 12:15 PM – KEYNOTE SPEECH
A HISTORY OF 802.11 SECURITY -
Jesse Walker - Intel

- 12:15 – 1:30 PM LUNCH
- 12:15 – 12:30 PM ORBIT Walkthrough - Demo
Ivan Seskar – WINLAB
- 12:30 – 12:45 PM Staggered TESLA and DoS Resistant Multicast
Authentication ORBIT Demonstration
Qing Li and Pandurang Kamat – WINLAB

SECURITY AND PRIVACY FOR MOBILE AND LOCATION-AWARE SERVICES

1:30 – 2:15 PM – GUEST LECTURE

MOBILE AND LOCATION-SERVICE SECURITY AND PRIVACY

Tom Karygiannis - NIST

- 2:20 – 2:40 PM Security Issues in Location-aware Mobile Networks: From Privacy to Worms
Prof. Marco Gruteser – WINLAB
- 2:40 – 3:00 PM Location Privacy in Vehicular Networks
Baik Hoh – WINLAB
- 3:00 – 3:20 PM Enhancing Source Location Privacy in Sensor Network Routing
Pandurang Kamat – WINLAB
- 3:20 – 3:40 PM BREAK
- 3:40 – 4:00 PM MIAMI: Methods and Infrastructure for the Assurance
of Measurement Information
Prof. Badri Nath – WINLAB/Computer Science Department
- 4:00 – 4:20 PM The Robustness of Localization Algorithms to Attenuation Attacks:
A Comparative Study
Yingying Chen and Prof. Rich Martin – WINLAB/Computer Science Department
- 4:30 – 4:45 PM Jamming and Channel Surfing Demo
Wenyuan Xu and Prof. Yanyong Zhang

4:30 – 5:30 PM - Student Projects - Poster Session