



ACM Workshop on Wireless Security (WiSe 2006)



Workshop Program

September 29, 2006

Los Angeles, CA, USA

Friday, September 29, 2006

08:30 - 08:40	WiSe Introduction and Awards
08:40 - 10:10	Session 1: Defensive Techniques Session Chair: Farooq Anjum
08:40 - 09:10	SCUBA: Secure Code Update By Attestation in Sensor Networks Arvind Seshadri, Mark Luk and Adrian Perrig (Carnegie Mellon University)
09:10 - 09:40	Proactive Security For Mobile Messaging Networks Abhijit Bose and Kang G. Shin (Univ. of Michigan)
09:40 - 10:10	Using Uncertainty in Reputation Methods to Enforce Cooperation in Ad-Hoc Networks Kevin Kane and James C. Browne (University of Texas at Austin)
10:10 - 10:20	Coffee Break
10:20 - 11:20	Session 2: KEYNOTE TALK Session Chair: Ari Juels
	RFID Security and Privacy Concerns Nicholas Tsougas (U.S. Department of Defense AIT Office)
11:20 - 11:30	Break
11:30 - 12:30	Session 3: Radio-Layer Security Session Chair: Srjdan Capkun
11:30 - 12:00	Securing Wireless Systems via Lower Layer Enforcements Zang Li, Wenyuan Xu, Rob Miller and Wade Trappe (Rutgers University)
12:00 - 12:30	Detecting Identity-Based Attacks in Wireless Networks Using Signalprints Daniel Faria and David Cheriton (Stanford University)
12:30-13:30	LUNCH BREAK

13:30 - 14:30

Session 4: KEYNOTE TALK
Session Chair: Radha Poovendran

Security in Sensor Networks: Industry Trends, Present and Future Research Directions

Professor Adrian Perrig (Carnegie Mellon University)

14:30 - 14:40

Break

14:40 - 16:10

Session 5: Assessing Vulnerabilities
Session Chair: Mingyan Li

14:40 - 15:10

Modeling Ad-hoc Rushing Attack in a Negligibility-based Security Framework
Jiejun Kong, Xiaoyan Hong and Mario Gerla (UCLA)

15:10 - 15:40

Traffic Analysis-based Unlinkability Measure for IEEE 802.11b-based Communication Systems
Dijiang Huang (Arizona State University)

15:40 - 16:10

Impact of Paging Channel Overloads or Attacks on a Cellular Network
Jeremy Serror (ENS), Hui Zang (Sprint) and Jean Bolot (Sprint)

16:10 - 16:20

Coffee Break

16:20 - 17:50

Session 6: Location-Based Techniques
Session Chair: Loukas Lazos

16:20 - 16:50

Integrity Regions: Authentication Through Presence in Wireless Networks
Srdjan Capkun (T.U. Denmark) and Mario Cagalj (EPFL)

16:50 - 17:20

Location Privacy in Wireless Personal Area Networks
Dave Singelee (KU Leuven)

17:20 - 17:50

Location dependent key management using random key-predistribution in sensor networks
Farooq Anjum (Telcordia)