



ACM Workshop on Wireless Security (WiSe 2005)



WiSe Workshop Program Cologne, Germany



Friday, September 2, 2005

08:30 - 08:40	WiSe Introduction and Awards
08:40 - 10:10	Session 1: Key Management Session Chair: Wenke Lee
08:40 - 09:10	Efficient Key Establishment for Group-Based Wireless Sensor Deployments Li Zhou, Jinfeng Ni, China V. Ravishankar (University of California at Riverside)
09:10 - 09:40	Group-Based Key Pre-Distribution in Wireless Sensor Networks Donggang Liu (University of Texas at Arlington), Peng Ning (NCSU), Wenliang Du (Syracuse University)
09:40 - 10:10	Fully Self-Organized Peer-to-Peer Key Management for Mobile Ad Hoc Networks Johann van der Merwe, Dawoud Dawoud, Stephen McDonald (University of KwaZulu)
10:10 - 10:20	Coffee Break
10:20 - 11:20	Session 2: KEYNOTE TALK Session Chair: Srdjan Capkun
	The Security of Vehicular Networks Professor Jean-Pierre Hubaux, EPFL
11:20 - 11:30	Break
11:30 - 12:30	Session 3: Misbehavior Session Chair: Loukas Lazos
11:30 - 12:00	A Framework for MAC Protocol Misbehavior Detection in Wireless Networks Svetlana Radosavac (University of Maryland), John S. Baras (University of Maryland), Iordanis Koutsopoulos (University of Thessaly)
12:00 - 12:30	Hotspot-Based Traceback for Mobile Ad Hoc Networks Yi-an Huang and Wenke Lee (Georgia Tech)

12:30-13:30	Session 4: Poster Presentations Session Chair: Iordanis Koutsopolous
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Experimental Comparisons between SAODV and AODV Routing Protocol
Yuxia Lin, A. Hamed Mohsenian Rad, Vincent W.S. Wong, Joo-Han Song
(University of British Columbia)

Anonymous On Demand Routing in Mobile Ad hoc Networks
Stefaan Seys and Bart Preneel (K.U.Leuven)

Two Practical Attacks Against Bluetooth Security Using New Enhanced Implementations of Security Analysis Tools
Keijo Haataja (University of Kuopio)

13:30 - 14:30	Session 5: KEYNOTE TALK Session Chair: Radha Poovendran
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Emergent Properties in Ad-Hoc Networks: A Security Perspective
[Professor Virgil D. Gligor, University of Maryland](#)

14:30 - 14:40	Break
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14:40 - 16:10	Session 6: Security Analysis Session Chair: TBA
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14:40 - 15:10 **Privacy Enhanced Cellular Access Security**
Geir Myrdahl Koien (Telenor R & D and Agder University College)

15:10 - 15:40 **Strengthening EPC Tags Against Cloning**
Ari Juels (RSA Laboratories)

15:40 - 16:10 **Modeling Epidemic Spreading in Mobile Environments**
James W. Mickens, Brian D. Noble (University of Michigan)

16:10 - 16:20	Coffee Break
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16:20 - 17:20	Session 7: Synchronization Session Chair: Ari Juels
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16:20 - 16:50 **Low-cost Attacks against Packet Delivery, Localization and Time Synchronization Services in Under-Water Sensor Networks**
Jiejun Kong (UCLA), Zhengrong Ji (UCLA), Weichao Wang (Purdue University), Mario Gerla (UCLA), Rajive Bagrodia (UCLA), Bharat Bhargava (Purdue University)

16:50 - 17:20 **Secure Time Synchronization Service for Sensor Networks**
Saurabh Ganeriwal, Srdjan Capkun, Chih-Chieh Han, Mani B. Srivastava (UCLA)