

**List of WINLAB Publications and Talks on Mobile Computing
(2004 to Spring 2007)
(Listed in alphabetical order by principal author)**

Author	Co-Authors	Paper/Talk	Title	Where/When
Chen, Y.	Kleisouris, K., Li, X., Trappe, W. and Martin, R.	Conference Paper	The Robustness of Localization Algorithms to Signal Strength Attacks: A Comparative Study	Proceedings of the International Conference on Distributed Computing in Sensor Systems (DCOSS 2006), San Francisco, CA, June 2006.
Duri, S.	Elliot, J., Gruteser, M., Liu, X., Moskowitz, P., Perez, R., Singh, M. and Tang, J.M.	Journal Paper	Data Protection and Data Sharing in Telematics	ACM Mobile Networks and Applications (MONET) Vol. 9, No. 6, pp. 693-701, December 2004.
Gruteser, M.	Hoh, B.	Book Chapter	Privacy Preservation of GPS Traces	Encyclopedia of GIS. Shashi Shekhar, Hui Xiong (Eds.) Springer.
Gruteser, M.	Grunwald, D.	Journal Paper	Enhancing Location Privacy in Wireless LAN through Disposable Interface Identifiers	ACM Mobile Networks and Applications (MONET), Vol. 10, No. 3, pp. 315-325, June 2005.
Haber, S.	Kamat, P.	Conference Paper	A Content Integrity Service for Long-Term Digital Archives	Proceedings of the IS&T Archiving Conference (Archiving 2006), Ottawa, Canada, May 2006.
Hoh, B.	Gruteser, M., Xiong, H. and Alrabad, A.	Journal Paper	Enhancing Security and Privacy in Traffic Monitoring Systems	IEEE Pervasive Computing Magazine, Vol. 5, No. 4, October-December 2006.
Hoh, B.	Gruteser, M., Xiong, H. and Alrabad, A.	Poster Paper	Enhancing Privacy Preservation of Anonymous Location Sampling Techniques: A Traffic Monitoring Case Study	Proceedings of SecureComm 2006, Baltimore, MD, August 2006.
Hoh, B.	Gruteser, M.	Conference Paper	Computer Ecology: Responding to Mobile Worms with Location-Based Quarantine Boundaries	Proceedings of the International Workshop on Research Challenges in Security and Privacy for Mobile and Wireless Networks (WSPWN 2006), Miami, FL, March 2006.
Hoh, B.	Gruteser, M.	Conference Paper	Protecting Location Privacy Through Path Confusion	Proceedings of IEEE/CreateNet International Conference on Security and Privacy for Emerging Areas in Communication Networks (SecureComm 2005), Athens, Greece, August/September 2005, pp. 194-205.
Jiang, N.	Schmidt, C. and Parashar, M.	Conference Paper	A Decentralized Content-Based Aggregation Service for Pervasive Environments	Proceedings of the IEEE International Conference on Pervasive Services (ICPS 2006), Lyon, France, June 2006.
Jiang, N.	Schmidt, C., Matossian, V. and Parashar, M.	Conference Paper	Enabling Applications in Sensor-Based Pervasive Environments	Proceedings of the Workshop on Broadband Advanced Sensor Networks (BaseNets 2004), San Jose, CA October 2005.
Kamat, P.	Xu, W., Zhang, Y. and Trappe, W.	Conference Paper	Temporal Privacy in Wireless Sensor Networks	To appear in the Proceedings of the 27 th International Conference on Distributed Computing Systems (ICDCS 2007), Toronto, Ontario, June 2007.
Kamat, P.	Zhang, Y., Trappe, W. and Ozturk, C.	Conference Paper	Enhancing Source-Location Privacy in Sensor Network Routing	Proceedings of the 25th International Conference on Distributed Computing Systems (ICDCS 2005), Columbus, OH, June 2005, pp. 599-608.
Li, Q.	Trappe, W.	Journal Paper	Reducing Delay and Enhancing DoS Resistance in Multicast Authentication through Multi-grade Security	IEEE Transactions on Information Forensics and Security, Vol. 1, pp.190-204, June 2006.

**List of WINLAB Publications and Talks on Mobile Computing (...continued)
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Author	Co-Authors	Paper/Talk	Title	Where/When
Li, Z.	Xu, W., Miller, R. and Trappe, W.	Conference Paper	Securing Wireless Systems via Lower Layer Enforcements	Proceedings of the 7 th International Conference on Web Information Systems Engineering, Wuhan, China, October 2006.
Li, Z.	Trappe, W.	Conference Paper	Collusion-resistant Fingerprints from WBE Sequence Sets	Proceedings of the IEEE International Conference on Communications, Seoul, Korea, May 2005, pp. 1336-1340.
Li, Z.	Trappe, W., Zhang, Y. and Nath, B.	Conference Paper	Robust Statistical Methods for Securing Wireless Localization in Sensor Network Services against Random Failures	Proceedings of the IEEE/ACM International Conference of Information Processing in Sensor Networks (IPSN), Los Angeles, CA, April 2005, pp. 91-98.
Li, Z.	Zhang, Y., Trappe, W. and Nath, B.	Conference Paper	Securing Wireless Localization: Living with Bad Guys	Proceedings of the 2004 DIMACS Workshop on Mobile and Wireless Security, Rutgers University, Piscataway, NJ, November 2004.
Liu, K.J.R.	Trappe, W., Wang, Z.J., Wu, M. and Zhao, H.	Book	Digital Fingerprinting for Multimedia Forensics	Hindawi Press, 2005.
Oh, S.	Gruteser, M.	Conference Paper	Location-Based Flooding Techniques for Vehicular Emergency Messaging	Proceedings of the Second International Workshop on Vehicle-to-Vehicle Communications (V2VCOM, held in conjunction with MOBIQUITOUS), San Jose, CA, 2006.
Ozturk, C.	Zhang, Y., Trappe, W. and Ott, M.	Conference Paper	Source-Location Privacy for Networks of Energy – Constrained Sensors	Proceedings of the 2 nd IEEE Workshop on Software Technologies for Future Embedded and Ubiquitous Systems, Vienna, Austria, May 2004, pp. 68-72.
Sun, Y.	Trappe, W. and Liu, K.J.R.	Book	Network-Aware Security for Group Communications	Springer-Verlag, under development for release in 2007.
Trappe, W.	Washington, L.C.	Book	Introduction to Cryptography with Coding Theory	Prentice Hall, (First Edition 2001, Second Edition 2005)
Trappe, W.	Zhang, Y. and Nath, B.	Conference Paper	MIAMI: Methods and Infrastructure for the Assurance of Measurement Information	Proceedings of the 2 nd International VLDB Workshop on Data Management for Sensor Networks, Trondheim, Norway, August 2005, pp. 11-17.
Trappe, W.	Wang, Y. and Liu, K.J.R.	Journal Paper	Resource-Aware Conference Key Establishment for Heterogeneous Networks	IEEE/ACM Transactions on Networking, Vol. 13, pp. 134-146, February 2005.
Trappe, W.	Wu, M., Wang, Z.J. and Liu, K.J.R.	Journal Paper	Anti-collusion Fingerprinting for Multimedia	IEEE Transactions on Signal Processing Vol. 51, No. 4, pp. 1069-1087, April 2003. *****IEEE SPS Best Paper Award 2005*****
Wang, Z.J.	Wu, M., Trappe, W. and Liu, K.J.R.	Journal Paper	Group Oriented Fingerprinting for Multimedia Forensics	EURASIP Journal of Applied Signal Processing, pp. 2153-2173, October 2004. ***** (2005 EURASIP Best Paper Award) *****