

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Amini, S.	Lin, J., Hong, J., Lindqvist, J. and Zhang, J.	Technical Report	Towards Scalable Evaluation of Mobile Applications through Crowdsourcing and Automation	Technical Report CMU-CyLab - 12-006, February 29, 2012.	Mobile Computing
Chandrasekaran, G.	Vu, T., Varshavsky, A., Gruteser, M., Martin, R. Yang, J. and Chen, Y.	Conference Paper	Vehicular Speed Estimation Using Received Signal Strength from Mobile Phones	Proceedings of the 12 th ACM International Conference on Ubiquitous Computing (UBICOMP 2010), Copenhagen, Denmark, September 2010, pp. 237-240.	Mobile Computing
Chen, S.	Chen, Y. and Trappe, W.	Journal Paper	Inverting Systems of Embedded Sensors for Position Verification in Location-Aware Applications	IEEE Transactions on Parallel and Distributed Systems, Vol. 21, No. 5, pp. 722-736, May 2010.	Mobile Computing
Dudheria, R.	Trappe, W. and Minsky, N.	Conference Paper	Coordination and Control in Mobile Ubiquitous Computing Applications Using Law Governed Interaction	Proceedings of the Fourth IEEE International Conference on Mobile Ubiquitous Computing Systems, Services and Technologies (UBICOMM 2010), Florence, Italy, October 2010.	Mobile Computing
Firner, B.	Jadhav, P., Zhang, Y., Howard, R., Trappe, W. and Fenson, E.	Conference Paper	Towards Continuous Asset Tracking: Low-Power Communication and Fail-Safe Presence Assurance	Proceedings of IEEE Sixth Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON 2009), Rome, Italy, June 2009, pp. 1-9.	Mobile Computing
Ge, Y.	Xiong, H., Zhou, Z-H., Ozdemir, H., Yu, J. and Lee, K.C.	Conference Paper	TOP-EYE: Top-k Evolving Trajectory Outlier Detection	Proceedings of the 19 th ACM Conference on Information and Knowledge Management (CIKM 2010), Toronto, Canada, October 2010, pp. 1733-1736.	Mobile Computing
Ge, Y.	Xiong, H., Tuzhilin, A., Xiao, K., Gruteser, M. and Pazzani, M.	Conference Paper	An Energy-Efficient Mobile Recommender System	Proceedings of the 16 th ACM SIGKDD International Conference on Knowledge, Discovery and Data Mining, Washington, DC, July 2010, pp. 899-908.	Mobile Computing
Gruteser, M.			Location Privacy in Wireless Networks	To appear in the Encyclopedia of Cryptography and Security, Hank van Tilborg and Sushil Jagodia, (Eds.), Springer Science and Business Media.	Mobile Computing
Gruteser, M.	Hoh, B.	Book Chapter	Privacy Preservation of GPS Traces	Encyclopedia of GIS. Shashi Shekhar, Hui Xiong (Eds.) Springer.	Mobile Computing
Hoh, B.	Iwuchukwu, T., Jacobson, Q., Work, D., Bayen, A., Herring, R., Herrera, J-C., Gruteser, M., Annavaram, M. and Ban, J.	Journal Paper	Enhancing Privacy and Accuracy in Probe Vehicle Based Traffic Monitoring via Virtual Trip Lines	Transactions on Mobile Computing, Vol. 11, No. 5, pp. 849-864, May 2012.	Mobile Computing
Hoh, B.	Gruteser, M., Xiong, H. and Alrabady, A.	Journal Paper	Achieving Guaranteed Anonymity in GPS Traces via Uncertainty-Aware Path Cloaking	IEEE Transactions on Mobile Computing, Vol. 9, No. 8, pp. 1089-1107, August 2010.	Mobile Computing
Hsiao, H-C.	Kim, TH-J., Perrig, A., Yamada, A., Nelson, N., Gruteser, M., Ming, W.	Conference Paper	LAP: Lightweight Anonymity and Privacy	Proceedings of the IEEE Symposium on Security and Privacy, San Francisco, CA, May 2012, pp. 506-520.	Mobile Computing
Kleisouris, K.	Firner, B., Howard, R., Zhang, Y. and Martin, R.	Conference Paper	Detecting Intra-Room Mobility with Signal Strength Descriptors	Proceedings of the 11 th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2010), September, 2010, pp. 71-80.	Mobile Computing
Kokalj-Filipovic, S.	LeFessant, F. and Spasojevic, P.	Conference Paper	Trade-offs of Source Location Protection in Globally Attacked Sensor Networks: A Case Analysis	Proceedings of the 8 th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON 2011), Salt Lake City, UT, June 2011, pp. 323-331.	Mobile Computing

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Kokalj-Filipovic, S.	LeFessant, F. and Spasojevic, P.	Conference Paper	The Quality of Source Location Protection in Globally Attacked Sensor Networks	Proceedings of the IEEE International Conference on Pervasive Computing and Communications (PerCom 2011), Seattle, WA, March 2011, pp. 1-6.	Mobile Computing
Lin, J.	Amini, S., Hong, J.I., Sadeh, N., Lindqvist, J. and Zhang, J.	Conference Paper	Expectation and Purpose: Understanding Users' Mental Models of Mobile App Privacy through Crowdsourcing	Proceedings of the 14 th International ACM Conference on Ubiquitous Computing (UbiComp 2012), Pittsburgh, PA, September 2012, pp. 501-510.	Mobile Computing
Lindqvist, J.		Conference Paper	The Wow of Foursquare	Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI2012) Workshop: "I Just Love This Product" Looking into Wow Products, From Analysis to Heuristics, Austin, TX, May 5, 2012.	Mobile Computing
Mathur, S.	Jin, T., Kasturirangan, N., Chandrasekaran, J., Xue, W., Gruteser, M. and Trappe, W.	Conference Paper	ParkNet: Drive-by Sensing of Road-side Parking Statistics	Proceedings of the 8 th Annual International Conference on Mobile Systems, Applications and Services, San Francisco, CA, June 2010, pp. 123-136.	Mobile Computing
Rouf, I.	Miller, R., Mustafa, H., Taylor, T., Oh, S., Xu, W., Gruteser, M., Trappe, W. and Seskar, I.	Conference Paper	Security and Privacy Vulnerabilities of In-Car Wireless Networks: A Tire Pressure Monitoring System Case Study	Proceedings of the 19 th USENIX Conference on Security, Washington, DC, August 2010, pp. 323-338.	Mobile Computing
Vu, T.	Baid, A., Gao, S., Gruteser, M., Howard, R., Lindqvist, J., Spasojevic, P. and Walling, J.	Conference Paper	Distinguishing Users with Capacitive Touch Communication	Proceedings of the 18 th ACM Annual International Conference on Mobile Computing and Networking, Istanbul, Turkey, August 2012. ***** BEST PAPER AWARD 2012 *****	Mobile Computing
Vu, T.	Ashok, A., Baid, A., Gruteser, M., Howard, R., Lindqvist, J., Spasojevic, P. and Walling, J.	Conference Demo	User Identification and Authentication with Capacitive Touch Communication	Proceedings of the 10 th International Conference on Mobile Systems, Applications and Services, Low Wood Bay, United Kingdom, June 2012.	Mobile Computing
Vu, T.	Baid, A., Zhang, Y., Nguyen, T., Fukuyama, J., Martin, R. and Raychaudhuri, D.	Conference Paper	DMap: A Shared Hosting Scheme for Dynamic Identifier to Locator Mappings in the Global Internet	Proceedings of the 32 nd International Conference on Distributed Computing Systems (ICDCS 2012), Macau, China, June 2012, pp. 698-707.	Mobile Networks
Vu, T.	Baid, A.	Conference Paper	Ask, Don't Search: A Social Help Engine for Online Social Network Mobile Users	Proceedings of the 35 th IEEE Sarnoff Symposium, Newark, NJ, May 2012, pp. 1-5.	Mobile Computing
Xu, C.	Firner, B., Zhang, Y., Howard, R., Li, J. and Lin, X.	Conference Paper	Improving RF-Based Device-Free Passive Localization in Cluttered Indoor Environments Through Probabilistic Classification Methods	Proceedings of the 11 th ACM/IEEE Conference on Information Processing in Sensor Networks (ACM/IEEE IPSN) CPSWEEK, Beijing, China, April 2012, pp. 209-220.	Mobile Computing
Xu, C.	Firner, B., Zhang, Y., Howard, R. and Li, J.	Poster Session	Exploiting Human Mobility Trajectory Information in Indoor Device-Free Passive Tracking	Proceedings of the 11 th ACM/IEEE Conference on Information Processing in Sensor Networks (ACM/IEEE IPSN) CPSWEEK, Beijing, China, April 2012, pp. 121-122.	Mobile Computing
Xu, C.	Firner, B., Zhang, Y., Howard, R. and Li, J.	Invited Conference Paper	Trajectory-Based Indoor Device-Free Passive Tracking	Proceedings of the 2 nd International Workshop on Mobile Sensing (MSIPSN), held in conjunction with ACM/IEEE Conference on Information Processing in Sensor Networks (ACM/IEEE IPSN) CPSWEEK, Beijing, China, April 2012.	Mobile Computing

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Yang, J.	Chen, Y., Martin, R., Trappe, W. and Gruteser, M.	Book Chapter	On the Performance of Wireless Indoor Localization Using Received Signal Strength	Chapter in Handbook of Position Location: Theory, Practice and Advances, Reza Zekavat, R. Michael Buehrer (Eds.), Wiley.	Mobile Computing
Yang, J.	Sidhom, S., Chandrasekaran, G., Vu, T., Liu, H., Cec, N., Chen, Y., Gruteser, M. and Martin, R.	Journal Paper	Sensing Driver Phone Use with Acoustic Ranging Through Car Speakers	IEEE Transactions on Mobile Computing, Vol. 11, No. 9, pp. 1426-1440, September 2012.	Mobile Computing