

# List of WINLAB Publications and Talks for Mobile Networks

(2009 to Fall 2012)

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Ashok, A.	Gruteser, M., Mandayam, N., Silva, J., Varga, M. and Dana, K.	Conference Paper	Challenge: Mobile Optical Networks through Visual MIMO	Proceedings of the 16 <sup>th</sup> Annual International Conference on Mobile Computing and Networking (MobiCom 2010), Chicago, IL, September 2010, pp. 105-112.	Mobile Networks
Baid, A.	Raychaudhuri, D.	Conference Paper	Wireless Access Considerations for the MobilityFirst Future Internet Architecture Design	Proceedings of the 2012 Sarnoff Symposium, Newark, NJ, May 2012, pp. 1-5.	Mobile Networks
Baid, A.	Schapira, M., Seskar, I., Rexford, J. and Raychaudhuri, D.	Conference Paper	Network Cooperation for Client-AP Association Optimization	Proceedings of the RAWNET Workshop held in conjunction with the 10 <sup>th</sup> International Symposium of Modeling and Optimization of Mobile, Ad Hoc and Wireless Networks (WiOpt 2012), Paderborn, Germany, May 2012, pp. 431-436.	Mobile Networks
Baid, A.	Vu, T. and Raychaudhuri, D.	Conference Paper	Comparing Alternative Approaches for Networking of Named Objects in the Future Internet	Proceedings of the NOMEN Workshop held in conjunction with the 31 <sup>st</sup> Annual IEEE International Conference on Computer Communications (INFOCOM), Orlando, FL, March 2012, pp. 298-303.	Mobile Networks
Bhanage, G.	Zhang, Y. and Raychaudhuri, D.	Conference Paper	Virtual Wireless Network Mapping: An Approach to Housing MVNOs on Wireless Meshes	Proceedings of the 22 <sup>nd</sup> Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2011), Toronto, Canada, September 2011, pp. 187-191.	Mobile Networks
Bhanage, G.	Chanda, A., Li, J. and Raychaudhuri, D.	Conference Paper	Storage-Aware Routing Protocol for the MobilityFirst FIA Network Architecture	Proceedings of the Special DTN Session at the 17 <sup>th</sup> European Wireless Conference, Vienna, Austria, April 2011.	Mobile Networks
Bhanage, G.	Seskar, I. and Raychaudhuri, D.	Conference Paper	A Service Oriented Experimentation Framework for Virtualized WiMAX Systems	Proceedings of the 7th International ICST Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities (TRIDENTCOM 2011), Shanghai, China, April 2011.	Mobile Networks
Bhanage, G.	Vete, D., Seskar, I., Raychaudhuri, D.	Conference Paper	Leveraging Wireless Virtualization for Flexible Sharing of WLANs	Proceedings of the Next Generation Networks Symposium held in conjunction with the IEEE Global Communications Conference (GLOBECOM), Miami, FL, December 2010, pp. 1-6.	Mobile Networks
Bhanage, G.	Seskar, I., Mahindra, R., and Raychaudhuri, D.	Conference Paper	Virtual Basestation Architecture for an Open Shared WiMAX Framework	Proceedings of the 2 <sup>nd</sup> ACM SIGCOMM Workshop on Virtualized Infrastructure Systems and Architectures, New Delhi, India, August 2010, pp. 1-8.	Mobile Networks
Bhanage, G.	Raychaudhuri, D. and Seskar, I.	Conference Paper	Using a Backlogged Queue Approach for Adaptive MAC Frame Aggregation	Proceedings of the 2010 IEEE International Symposium on a World of Wireless Mobile and Multimedia Networks (WoWMoM), Montreal, Canada, June 2010, pp 1-9.	Mobile Networks
Bhanage, G.	Seskar, I., Zhang, Y., Raychaudhuri, D. and Jain, S.	Conference Paper	Experimental Evaluation of OpenVZ from a Testbed Deployment Perspective	Proceedings of the 6 <sup>th</sup> International Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities (TridentCom 2010), Berlin, Germany, May 2010.	Mobile Networks
Bhanage, G.	Daya, R., Seskar, I. and Raychaudhuri, D.	Conference Paper	VNTS: A Virtual Network Traffic Shaper for Air Time Fairness in 802.16e Slices	Proceedings of the IEEE International Conference on Communications (ICC 2010) Wireless and Mobile Networking Symposium, Cape Town, South Africa, May 2010, pp. 1-6.	Mobile Networks
Bhanage, G.	Mahindra, R., Seskar, I., Raychaudhuri, D. and Zhang, Y.	Extended Abstract	Testbed Design for Facilitating Simultaneous WiMAX Experiments	Proceedings of the 3 <sup>rd</sup> ACM Conference on Wireless Network Security (WiSEC '10), Hoboken, NJ, March 2010.	Mobile Networks

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Bhanage, G.	Mahindra, R., Seskar, I. and Raychaudhuri, D.	Conference Paper	Implication of MAC Frame Aggregation on Empirical Wireless Experimentation	Proceedings of the IEEE Global Telecommunications Conference (GLOBECOM 2009) – Wireless Networking Symposium, Honolulu, HI, December 2009, pp. 1-7.	Mobile Networks
Bhanage, G.	Zhang, Y.	Conference Paper	Software Architecture for Scalable Multi-Hop Mobility Emulation with Indoor Wireless Grids	Proceedings of the Third IEEE International Workshop on Wireless Mesh and Ad Hoc Networks (WiMAN 2009) held in conjunction with ICDCS, Montreal, Canada, June 2009, pp. 523-529.	Mobile Networks
Brassil, J.	Smith, J., Bonomi, F., Bergman, K., Congdon, P., Seskar, I. and Muir, S.	Conference Paper	Networking Hardware: What Drives Innovation?	Proceedings of the 5 <sup>th</sup> ACM/IEEE Symposium on Architectures for Networking and Communications Systems, Princeton, NJ, October 2009, Article #2.	Mobile Networks
Chanda, A.	Nelson, S.C., Bhanage, G. and Raychaudhuri, D.	Poster Session	ByPass: A Unified Transport Protocol for the Internet	Proceedings of the 13 <sup>th</sup> International Workshop on Mobile Computing Systems and Applications (HotMobile 2012), San Diego, CA, February 2012.	Mobile Networks
Chandrasekaran, G.	Francisco, J.-A., Ganapathy, V., Gruteser, M. and Trappe, W.	Conference Paper	Detecting Identity Spoofs in IEEE 802.11e Wireless Networks	Proceedings of the IEEE Global Communications Conference (GLOBECOM 2009), Honolulu, HI, November/December 2009, pp. 1-6.	Mobile Networks
Chandrasekaran, G.	Ergin, M., Yang, J., Liu, S., Chen, Y., Gruteser, M. and Martin, R.	Conference Paper	Empirical Evaluation of the Limits on Localization Using Signal Strength	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 Networks
Chen, Y.	Yang, J., Trappe, W. and Martin, R.	Journal Paper	Detecting and Localizing Identity-Based Attacks in Wireless and Sensor Networks	IEEE Transactions on Vehicular Technology, Vol. 59, No. 5, pp. 2418-2434, June 2010.	Mobile Networks
Chen, Y.	Kleisouris, K., Li, X., Trappe, W. and Martin, R.	Journal Paper	A Security and Robustness Performance Analysis of Localization Algorithms to Signal Strength Attacks	ACM Transactions on Sensor Networks (TOSN), Vol. 5, No. 1, Article #2, February 2009.	Mobile Networks
Dong, L.	Zhang, D., Zhang, Y. and Raychaudhuri, D.	Conference Paper	Optimal Caching with Content Broadcast in Cache-and-Forward Networks	Proceedings of 2011 IEEE International Conference on Communications (ICC 2011), Kyoto, Japan, June 2011, pp. 1-5.	Mobile Networks
Dong, L.	Zhang, D., Zhang, Y. and Raychaudhuri, D.	Conference Paper	Performance Evaluation of Content Based Routing with In-Network Caching	Proceedings of the 20 <sup>th</sup> Annual Wireless and Optical Communications Conference (WOCC 2011), Newark, NJ, April 2011, pp. 1-6.	Mobile Networks
Dong, L.	Zhang, Y. and Raychaudhuri, D.	Journal Paper	Enhanced Content Request and Retrieval with Gateway Controlled Caching in Cache-and-Forward Networks	To appear in the Journal on Internet Engineering.	Mobile Networks
Dong, L.	Zhang, D., Zhang, Y. and Raychaudhuri, D.	Conference Paper	Optimized Content Caching and Request Capture in Cache-and-Forward Networks	Proceedings of the 5 <sup>th</sup> Annual ICST Wireless Internet Conference (WICON 2010), Singapore, March 2010, pp. 1-9.	Mobile Networks
Dong, L.	Zhang, Y. and Raychaudhuri, D.	Conference Paper	Gateway Controlled Content Caching and Retrieval for Cache-and-Forward Networks	Proceedings of the Workshop on Enabling the Future Service-Oriented Internet held in conjunction with the IEEE Global Communications Conference (GLOBECOM 2009), Honolulu, HI, December 2009, pp. 1-9.	Mobile Networks

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Dong, L.		Conference Paper	Content Dissemination and Retrieval in Cache-and-Forward Networks	Proceedings of the PhD Forum held in conjunction with the 17 <sup>th</sup> IEEE International Conference on Network Protocols, Princeton, NJ, October 2009.	Mobile Networks
Dong, L.	Liu, H., Zhang, Y., Paul, S. and Raychaudhuri, D.	Conference Paper	On the Cache-and-Forward Network Architecture	Proceedings of the International Conference on Communications (ICC 2009), Dresden, Germany, June 2009, pp. 1-5.	Mobile Networks
Firner, B.	Xu, C., Howard, R. and Zhang, Y.	Conference Paper	Multiple Receiver Strategies for Minimizing Packet Loss in Dense Sensor Networks	Proceedings of the 11 <sup>th</sup> ACM International Symposium on Mobile Ad Hoc Networking and Computing, Chicago, IL, September, 2010, pp. 211-220.	Mobile Networks
Gerla, M.	Gruteser, M.	Book Chapter	Vehicular Networks: Applications, Protocols and Testbeds	Emerging Wireless Technologies and the Future Mobile Internet, Dipankar Raychaudhuri and Mario Gerla (Eds.) Cambridge Press, pp. 204-241, 2011.	Mobile Networks
Gopinath, S.	Jain, S., Makharia, S. and Raychaudhuri, D.	Conference Paper	An Experimental Study of the Cache-and-Forward Network Architecture in Multi-hop Wireless Scenarios	Proceedings of the 17 <sup>th</sup> IEEE International Workshop on Local and Metropolitan Area Networks (LANMAN 2010), Long Branch, NJ, May 2010, pp. 1-6.  ***Best Paper Award***	Mobile Networks
Huang, K-C.	Raychaudhuri, D.	Conference Paper	MAC Protocol Adaptation in Cognitive Radio Networks	Proceedings of the IEEE 2011 Wireless Communications and Networking Conference, Cancun, Mexico, March 2011, pp. 245-250.	Mobile Networks
Huang, K-C.	Jing, X. and Raychaudhuri, D.	Conference Paper	MAC Protocol Adaptation in Cognitive Radio Networks: An Experimental Study	Proceedings of the 2 <sup>nd</sup> International Workshop on Cognitive Networks and Communications (COGCOM 2009), San Francisco, CA, August 2009.	Mobile Networks
Jain, S.	Gopinath, S. and Raychaudhuri, D.	Conference Paper	STAR: Storage Aware Routing protocol for Generalized Delay Tolerant Networks	Proceedings of the 2011 IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM 2011), Lucca, Italy, June 2011, pp. 1-4.	Mobile Networks
Jain, S.	Saleem, A., Liu, H., Zhang, Y. and Raychaudhuri, D.	Conference Paper (Invited Paper)	Design of Link and Routing Protocols for Cache-and-Forward Networks	Proceedings of the 2009 Sarnoff Symposium, Princeton, NJ, March 2009, pp. 1-5.	Mobile Networks
Kamat, P.	Xu, W., Trappe, W. and Zhang, Y.	Journal Paper	Temporal Privacy in Wireless Sensor Networks: Theory and Practice	ACM Transactions on Sensor Networks (TOSN), Vol. 5, No. 4, Article #28, November 2009.	Mobile Networks
Kaul, S.	Yates, R. and Gruteser, M.	Conference Paper	Real-time Status: How Often Should One Update?	Proceedings of the 31 <sup>st</sup> Annual IEEE International Conference on Computer Communications (INFOCOM 2012), Orlando, FL, April 2012, pp. 2731-2735.	Mobile Networks
Kaul, S.	Yates, R. and Gruteser, M.	Conference Paper	Status Updates through Queues	Proceedings of the Conference on Information Sciences and Systems, Princeton, NJ, March 2012, pp. 1-6.	Mobile Networks
Kaul, S.	Yates, R. and Gruteser, M.	Conference Paper	On Piggybacking in Vehicular Networks	Proceedings of IEEE Global Telecommunications Conference (GLOBECOM 2011), Houston, TX, December 2011, pp. 1-5.	Mobile Networks
Kaul, S.	Gruteser, M., Rai, V. and Kenney, J.	Conference Paper	Minimizing Age of Information in Vehicular Networks	Proceedings of the IEEE Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON 2011), Salt Lake City, UT, June 2011, pp. 350-358.	Mobile Networks

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Kaul, S.	Gruteser, M., Rai, V., Kenney, J. and T.I.T. Center	Conference Paper	On Predicting and Compressing Vehicular GPS Traces	Proceedings of the IEEE Vehicular Networks & Applications Workshop, held in conjunction with the IEEE International Conference on Communications (ICC 2010), Cape Town, South Africa, May 2010, pp. 1-5.	Mobile Networks
Kaya, A.O.	Chiang, M. and Trappe, W.	Conference Paper	P2P-ISP Cooperation: Risks and Mitigation in Multiple-ISP Networks	Proceedings of the IEEE Global Telecommunications Conference (GLOBECOM 2009), Honolulu, HI, November/December 2009, pp. 1-8.  ***Best Paper Award***	Mobile Networks
Khalaf, T.	Kim, S.W. and Greenstein, L.J.	Conference Paper	Prioritized Analog Cooperative Relaying in Multiple Access Relay Networks	Proceedings of the Military Communications Conference (MILCOM 2010), San Jose, CA, October/November 2010, pp. 2102-2107.	Mobile Networks
Kokalj-Filipovic, S	Spasojevic, P. and Yates, R.D.	Journal Paper	Geographic Data Propagation in Location-Unaware Wireless Sensor Networks: A Two-Dimensional Random Walk Analysis	IEEE Journal of Selected Areas of Communications – Special Issue on Stochastic Geometry and Random Graphs for Wireless Networks, Vol. 27, No. 7, pp. 1158-1168, September 2009.	Mobile Networks
Kokalj-Filipovic, S	Spasojevic, P. and Soljanin, E.	Journal Paper	Doped Fountain Coding for Minimum Delay Data Collection in Circular Networks	IEEE Journal of Selected Areas of Communications – Special Issue on Network Coding for Wireless Communication Networks, Vol. 27, No. 5, pp. 673-684, June 2009.	Mobile Networks
Kokalj-Filipovic, S	Spasojevic, P. and Yates, R.D.	Conference Paper	Can a Packet Walk Straight Through a Field of Randomly Dying Location-Unaware Wireless Nodes?	Proceedings of The Second ACM International Workshop on Foundations of Wireless Ad Hoc and Sensor Networking and Computing (FOWANC 2009), New Orleans, LA, May 2009, pp. 57-66.	Mobile Networks
Kremo, H.	Seskar, I. and Spasojevic, P.	Conference Paper	Concurrent Measurements of the Vehicular Channel Transfer Function and the 802.11 Received Signal Strength Index	Proceedings of the IEEE Consumer Communications and Networking Conference (CCNC 2009), Las Vegas, NV, January 2009, pp. 1-5.	Mobile Networks
Krishnamoorthy, A.	Raychaudhuri, D., Nagaraja, K. and Seskar, I.	Conference Demo	Supporting MobilityFirst in OpenFlow based SDNs	Demo presented at the 15 <sup>th</sup> GENI Engineering Conference (GEC15), Houston, TX, October 2012.	Mobile Networks
Li, Jun	Shvartzshnaider, Y., Francisco, J-A., Martin, R., Nagaraja, K. and Raychaudhuri, D.	Conference Paper	Delivering Internet-of-Things Services in MobilityFirst Future Internet Architecture	Proceedings of the 3 <sup>rd</sup> International Conference on the Internet of Things (IoT 2012), Wuxi, China, October 2012.	Mobile Networks
Li, Jun	Shvartzshnaider, Y., Francisco, J-A., Martin, R. and Raychaudhuri, D.	Conference Paper	Enabling Internet-of-Things Services in the MobilityFirst Future Internet Architecture	Proceedings of the Smart Object and Service Workshop, held in conjunction with WoWMoM 2012, San Francisco, CA, June 2012, pp. 1-6.	Mobile Networks
Li, Jun	Zhang, Y., Nagaraja, K. and Raychaudhuri, D.	Conference Paper	Supporting Efficient Machine-to-Machine Communications in the Future Mobile Internet	Proceedings of the Internet of Things Enabling Technology Workshop held in conjunction with the 2012 IEEE Wireless Communications and Networking Conference (WCNC 2012), Paris, France, April 2012, pp. 181-185.	Mobile Networks
Liu, H.	Zhang, D.	Conference Paper	A TLV-Structured Data Naming Scheme for Control-Oriented Networking	Proceedings of the 5 <sup>th</sup> International Workshop on the Network of the Future, held in conjunction with IEEE ICC (Future Net V), Ottawa, Canada, June 2012.	Mobile Networks

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Liu, X.	Kountouriotis, J., Petropulu, A. and Dandekar, K.	Journal Paper	ALOHA with Collision Resolution (ALOHA-CR): Theory and Software Defined Radio Implementation	IEEE Transactions on Signal Processing, Vol. 58, No. 8, pp. 4396-4410, August 2010.	Mobile Networks
Luo, L.	Raychaudhuri, D. and Liu, H.	Conference Paper	Channel Assignment, Stream Control, Scheduling and Routing in Multi-Radio MIMO Wireless Mesh Networks	Proceedings of the International Workshop on the Network of the Future, held in conjunction with ICC 2009, Dresden, Germany, June 2009, pp. 1-5.	Mobile Networks
Mathur, S.	Kaul, S., Gruteser, M. and Trappe, W.	Conference Paper	ParkNet: A Mobile Sensor Network for Harvesting Real-Time Vehicular Parking	Proceedings of the S3 Workshop held in conjunction with the 10 <sup>th</sup> ACM International Symposium on Mobile Ad Hoc Networking and Computing (ACM MobiHoc 2009), May 2009, pp. 25-28.	Mobile Networks
Nelson, S.	Bhanage, G. and Raychaudhuri, D.	Conference Paper	GSTAR: Generalized Storage-Aware Routing for MobilityFirst in the Future Mobile Internet	Proceedings of the 6th ACM International Workshop on Mobility in the Evolving Internet Architecture (MobiArch) Washington, DC, June 2011, pp. 19-24.	Mobile Networks
Nishio, T.	Shinkuma, R., Takahashi, T. and Mandayam, N.	Conference Paper	TXOP Exchange: A Cooperation Mechanism for Wireless Access Networks	Proceedings of the 2011 IEEE Communications Quality and Reliability (CQR) International Workshop, Naples, FL, May 2011, pp. 1-6.	Mobile Networks
Oh, S.	Gruteser, M. and Pompili, D.	Journal Paper	Coordination-Free Safety Message Dissemination Protocol for Vehicular Networks	To appear in the IEEE Transactions on Vehicular Technology, 2012.	Mobile Networks
Oh, S.	Vu, T., Gruteser, M. and Banerjee, S.	Conference Paper	Phantom: Physical Layer Cooperation for Location Privacy Protection	Proceedings of the 31 <sup>st</sup> Annual IEEE International Conference on Computer Communications "Mini-Conf", Orlando, FL, March 2012.	Mobile Networks
Oh, S.	Gruteser, M.	Conference Paper	Multi-Node Coordinated Jamming for Location Privacy Protection	Proceedings of the 2011 Military Communications Conference, Baltimore, MD, November 2011, pp. 1243-1249.	Mobile Networks
Oh, S.	Gruteser, M., Jiang, D. and Chen, Q.	Conference Paper	Joint Power Control and Scheduling Algorithm for Wi-Fi Ad-hoc Networks	Proceedings of the 51 <sup>st</sup> Annual ICST Wireless Internet Conference (WICON), Singapore, March 2010, pp. 1-9.	Mobile Networks
Oh, S.	Kaul, S. and Gruteser, M.	Conference Paper	Exploiting Vertical Diversity in Vehicular Channel Environments	Proceedings of the IEEE 20 <sup>th</sup> International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2009), Tokyo, Japan, September 2009, pp. 958-962.	Mobile Networks
Ramachandran, K.	Kokku, R., Zhang, H. And Gruteser, M.	Journal Paper	Symphony: Synchronous Two-Phase Rate and Power Control in 802.11 WLANs	IEEE/ACM Transactions on Networking, Vol. 18, No. 4, pp. 1289-1302, August 2010.	Mobile Networks
Ramachandran, K.	Kokku, R., Sundaresan, K., Gruteser, M. and Rangarajan, S.	Conference Paper	R2D2: Regulating Beam Shape and Rate as Directionality meets Diversity	Proceedings of The International Conference on Mobile Systems, Applications and Services (ACM MobiSys 2009), Krakow, Poland, June 2009.	Mobile Networks
Raychaudhuri, D.	Nagaraja, K. and Venkataramani, A.	Journal Paper	MobilityFirst: A Robust and Trustworthy MobilityCentric Architecture for the Future Internet	ACM SIGMobile Mobile Computing and Communication Review (MC2R), Vol. 16, No. 4, October 2012.	Mobile Networks
Raychaudhuri, D.	Mandayam, N.	Journal Paper	Frontiers of Wireless and Mobile Communications	IEEE Proceedings, Vol. 100, No. 4, April 2012, pp. 824-840.	Radio Resource Management/ Mobile Networks
Raychaudhuri, D.		Keynote Speech	MobilityFirst: A Robust and Trustworthy Mobility Centric Architecture for the Future Internet	Proceedings of the 22 <sup>nd</sup> Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2011), Toronto, Canada, September 2011.	Mobile Networks

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Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Raychaudhuri, D.	Gerla, M. (eds.)	Book	Emerging Wireless Technologies and the Future Mobile Internet	Cambridge University Press, 2011, ISBN-13: 978-0521116466.	Mobile Networks
Raychaudhuri, D.		Invited Talk	Bridging the Theory-Practice Gap in Wireless Networking Research	Princeton University, EDGE Lab Open House, April 2011.	Mobile Networks
Raychaudhuri, D.		Keynote Speech	<i>MobilityFirst</i> : A Robust and Trustworthy Mobility-Centric Architecture for the Future Internet	NWGN 2011, Tokyo, Japan, April 2011 (to be rescheduled). BBN Seminar Series, March 2011.	Mobile Networks
Raychaudhuri, D.		Keynote Speech	Emerging Wireless Technologies and the Future Internet	12th International Conference on Distributed Computing and Networking (ICDCN 2011, Bangalore, India, January 2011.	Mobile Networks
Raychaudhuri, D.		Invited Talk	Design Considerations for Cognitive White Space Networks	IEEE Workshop on Networking Technologies for SDR/White Space, Boston, MA, June 2010.	Mobile Networks
Raychaudhuri, D.		Keynote Speech	Emerging Wireless Technologies and the Future Internet	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2009), Tokyo, Japan, September 2009.	Mobile Networks
Raychaudhuri, D.		Invited Talk	Emerging Wireless Technologies and the Future Internet	IEEE Industry Day, IEEE Princeton Chapter, February 2009.	Mobile Networks
Rodoper, M.	Baliga, A., Jung, E. and Trappe, W.	Conference Paper	An Efficient Security Framework for Mobile WiMAX	Proceedings of the 27 <sup>th</sup> Symposium on Applied Computing (SAC 2012), Trento, Italy, March 2012.	Mobile Networks
Rodoper, M.	Trappe, W. and Jung, E.	Journal Paper	An IBC and Certificate-Based Hybrid Approach to WiMAX Security	Journal of Communications and Networks, Vol. 11, No. 6, December 2009.	Mobile Networks
Sagari, S.	Bhanage, G. and Raychaudhuri, D.	Conference Paper	Adaptive Geolocation Based Interference Control for Hierarchical Cellular Network with Femtocells	Proceedings of the 22 <sup>nd</sup> Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2011), Toronto, Canada, September 2011, pp. 132-136.	Mobile Networks
Seskar, I.	Nagaraja, K., Nelson, S. and Raychaudhuri, D.	Invited Paper	MobilityFirst Future Internet Architecture Project	Proceedings of the ACM 7 <sup>th</sup> Asian Internet Engineering Conference held in cooperation with SIGCOMM, Bangkok, Thailand, November 2011, pp. 1-3.	Mobile Networks
Shinkuma, R.	Jain, S. and Yates, R.	Conference Paper	Network Caching Strategies for Intermittently Connected Mobile Users	Proceedings of the 20 <sup>th</sup> International Symposium on Personal, Indoor, and Mobile Radio Communications, (PIMRC 2009) Tokyo, Japan, September 2009, pp. 1771-1775.	Mobile Networks
Su, K.	Zhang, D. and Mandayam, N.	Conference Paper	Network Coding Aware Power Control in Wireless Networks	Proceedings of the 46 <sup>th</sup> Conference on Information Sciences and Systems (CISS 2012), Princeton, NJ, March 2012.	Mobile Networks
Sun, T.	Zan, B., Zhang, Y. and Gruteser, M.	Conference Paper	The Boomerang Protocol: Tying Data to Geographic Locations in Mobile Disconnected Networks	To appear in Transactions on Mobile Computing, 2012.	Mobile Networks
Sun, T.	Trappe, W. and Zhang, Y.	Journal Paper	Improved AP Association Management Using Machine Learning	ACM SIGMOBILE Mobile Computing and Communications Review, Vol. 14, No. 4, pp. 4-6, October 2010.	Mobile Networks
Sun, Z.	Zan, B., Ban, J., Gruteser, M. and Hao, P.	Conference Paper	Evaluation of Privacy Preserving Algorithms Using Traffic Knowledge Based Adversary Models	Proceedings of the 14 <sup>th</sup> International IEEE Conference on Intelligent Transportation Systems (ITSC 2011), Washington, DC, October 2011, pp. 1075-1082.	Mobile Networks

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
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 <sup>nd</sup> International Conference on Distributed Computing Systems (ICDCS 2012), Macau, China, June 2012, pp. 698-707.	Mobile Networks
Xu, C.	Firner, B., Zhang, Y., Howard, R. and Li, J.	Conference Poster	Statistical Learning Strategies for RF-based Indoor Device-Free Passive Localization	Proceedings of the 9th ACM Conference on Embedded Networked Sensor Systems (SenSys 2011), Seattle, WA, November 2011, pp. 365-366.  ***Best Poster Award***	Mobile Networks
Yang, J.	Chen, Y. and Trappe, W.	Conference Paper	Detecting Spoofing Attacks in Mobile Wireless Environments	Proceedings of the 6 <sup>th</sup> Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON 2009), Rome, Italy, June 2009, pp. 1-9.	Mobile Networks
Yang, J.	Chen, Y., Trappe, W. and Cheng, J.	Conference Paper	Determining the Number of Attackers and Localizing Multiple Adversaries in Wireless Spoofing Attacks	Proceedings of the IEEE INFOCOM 2009, Rio de Janeiro, April 2009, pp. 666-674.	Mobile Networks
Yates, R.D.	Kaul, S.	Conference Paper	Real-time Status Updating: Multiple Sources	Proceedings of the 2012 IEEE International Symposium on Information Theory (ISIT 2012), Cambridge, MA, July 2012, pp. 2666-2670.	Mobile Networks
Yuen, W.H.	Mau, S-C. and Yates, R.D.	Journal Paper	Existence of Data and Multiuser Diversities in Non-cooperative Mobile Infostation Networks	IEEE Transactions on Mobile Computing, Vol. 8, No. 8, pp. 1117-1131, August 2009.	Mobile Networks
Zan, B.	Sun, T., Gruteser, M., Hu, F. and Zhang, Y.	Conference Paper	A Privacy Preserving System for Friend Locator Applications	Proceedings of the 9 <sup>th</sup> ACM International Symposium on Mobility Management and Wireless Access, Miami, FL, October/November 2011, pp. 93-100.	Mobile Networks
Zan, B.	Hao, P., Gruteser, M. and Ban, X.	Conference Paper	VTL Zone-Based Path Cloaking Algorithms	Proceedings of the 14 <sup>th</sup> International IEEE Conference on Intelligent Transportation Systems (ITSC 2011), Washington, DC, October 2011, pp. 1525-1530.	Mobile Networks
Zan, B.	Sun, T., Gruteser, M. and Zhang, Y.	Conference Paper	The Boomerang Protocol: Tying Data to Geographic Locations in Mobile Disconnected Networks	Proceedings of the 11 <sup>th</sup> International Conference on Mobile Data Management (MDM 2010), Kansas City, MO, May 2010, pp. 258-263.	Mobile Networks
Zan, B.	Sun, T., Gruteser, M. and Zhang, Y.	Conference Paper	ROME: Road Monitoring and Alert System Through GeoCache	Proceedings of the 6 <sup>th</sup> International Workshop on System Management Techniques, Processes and Services (SMTPS 2010), Atlanta, GA, April 2010, pp. 1-8.	Mobile Networks
Zan, B.	Gruteser, M.	Conference Paper	Random Channel Hopping Schemes for Key Agreement in Wireless Networks	Proceedings of the 20 <sup>th</sup> IEEE Personal, Indoor and Mobile Radio Communications Symposium (PIMRC 2009), Tokyo, Japan, June 2009, pp. 2886-2890.	Mobile Networks
Zhang, D.	Shinkuma, R. and Mandayam, N.	Conference Paper	Bandwidth Exchange: An Energy Conserving Incentive Mechanism for Cooperation	IEEE Transactions on Wireless Communications, Vol. 9, No. 6, pp. 2055-2065, June 2010.	Mobile Networks
Zhang, D.	Mandayam, N.	Conference Paper	DEDI: A Framework for Analyzing Rank Evolution of Random Network Coding in a Wireless Network	Proceedings of the IEEE International Symposium on Information Theory (ISIT 2010), Austin, TX, June 2010, pp. 1883-1887.	Mobile Networks

## List of WINLAB Publications and Talks for Mobile Networks (...continued)

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Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Zhang, D.	Mandayam, N.	Conference Paper	Analyzing Multiple Flows in a Wireless Network with Differential Equations and Differential Inclusions	Proceedings of the Wireless Network Coding Workshop (WiNC 2010), Boston, MA, June 2010, pp. 1-6.	Mobile Networks
Zhang, F.	Vu, T., Baid, A., Zhang, Y., Nguyen, T.D., Nagaraja, K., Sesar, I. and Raychaudhuri, D.	Conference Demo	Global Name Resolution Service: Scalable Mobility Support in MobilityFirst FIA	Demo presented at the 14 <sup>th</sup> GENI Engineering Conference (GEC14), Boston, MA, July 2012.	Mobile Networks
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