

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Acharya, J.	Yates, R.D.	Conference Paper	Service Provider Competition and Pricing for Dynamic Spectrum Allocation	Proceedings of the IEEE International Conference on Game Theory for Networks, Istanbul, Turkey, May 2009, pp. 190-198.	Radio Resource Management
Acharya, J.	Yates, R.D.	Journal Paper	Dynamic Spectrum Allocation for Uplink Users with Heterogeneous Utilities	IEEE Transactions on Wireless Communications, Vol. 8, No. 3, pp. 1405-1413, March 2009.	Radio Resource Management
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
Ashok, A.	Gruteser, M., Mandayam, N., Won, T., Yuan, W., Varga, M. and Dana, K.	Conference Paper	Rate Adaptation in Visual MIMO	Proceedings of the IEEE Conference on Sensor, Mesh and Ad Hoc communications and Networks (SECON 2011), Salt Lake City, UT, June 2011, pp. 583-591.	Radio/PHY
Ashok, A.	Gruteser, M., Mandayam, N. and Dana, K.	Conference Paper	Characterizing Multiplexing and Diversity in Visual MIMO	Proceedings of the 45 <sup>th</sup> Annual Conference on Information Sciences and Systems (CISS 2011), Baltimore, MD, March 2011, pp. 1-6.	Radio/PHY
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.	Madan, R. and Sampath, A.	Conference Paper	Delay Estimation and Fast Iterative Scheduling Policies for LTE Uplink	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. 89-96.	Radio/PHY
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
Baid, A.	Mathur, S., Seskar, I., Paul, S., Das, A. and Raychaudhuri, D.	Conference Paper	Spectrum MRI: Towards Diagnosis of Multi-Radio Interference in the Unlicensed Band	Proceedings of the IEEE Wireless Communications and Networking Conference (WCNC 2011), Cancun, Mexico, March 2011, pp. 534-539.	Radio/PHY
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

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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
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
Borota, D.	Ivkovic, G., Vuyyuru, R., Altintas, O., Seskar, I. and Spasojevic, P.	Conference Paper	On the Delay to Reliably Detect Channel Availability in Cooperative Vehicular Environments	Proceedings of the 2011 IEEE 73 <sup>rd</sup> Vehicular Technology Conference, Budapest, Hungary, May 2011, pp. 1-5.	Radio/PHY
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
Budisin, S.	Spasojevic, P.	Journal Paper	Bjorck Sequence Sets	Electronic Letters, Vol. 47, No. 8, pp. 491-493, April 2011.	Radio/PHY
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.	Vu, T., Varshavsky, A., Gruteser, M., Martin, R., Yang, J. and Chen, Y.	Conference Paper	Tracking Vehicular speed Variations by Warping Mobile Phone Signal Strengths	Proceedings of the IEEE International Conference on Pervasive Computing and Communications, Seattle, WA, March 2011, pp. 213-221.	Radio/PHY

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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 <sup>th</sup> ACM International Conference on Ubiquitous Computing (UBICOMP 2010), Copenhagen, Denmark, September 2010, pp. 237-240.	Mobile Computing
Chandrasekaran, G.	Ergin, M.A., Gruteser, M., Martin, R.P., Yang, J. and Chen, Y.	Conference Paper	DECODE: Exploiting Shadow Fading to DEtect COMoving Wireless Devices	IEEE Transactions on Mobile Computing, Vol. 8, No. 12, pp. 1663-1675, December 2009.	Radio/PHY
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
Chatzipanagiotis, N.	Liu, Y., Petropulu, A. and Zavlanos, M.M.	Conference Paper	Controlling Groups of Mobile Beamformers	To appear in the Proceedings of the 51 <sup>st</sup> IEEE Conference on Decision and Control (CDC 2012), Maui, Hawaii, December 2012.	Radio/PHY
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
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, Lun	Han, Z., Petropulu, A. and Poor, H.V.	Journal Paper	Improving Wireless Physical Layer Security via Cooperating Relays	IEEE Transactions on Signal Processing, Vol. 58, Issue 3, Part 2, pp. 1875-1888, March 2010.	Radio/PHY
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
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.	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
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
Fok, M.P.	Trappe, W. and Prucnal, P.R.	Conference Paper	All-Optical XOR Gate with Feedback Using Highly Ge-doped Nonlinear Fiber	Proceedings of the 2010 Conference on Optical Fiber Communication (OFC) collocated National Fiber Optic Engineers Conference (OFC/NFOEC), San Diego, CA, March 2010, pp. 1-3.	Radio/PHY
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 <sup>th</sup> 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 <sup>th</sup> ACM SIGKDD International Conference on Knowledge, Discovery and Data Mining, Washington, DC, July 2010, pp. 899-908.	Mobile Computing
Gerami, C.	Mandayam, N. and Greenstein, L.	Conference Paper	Backhauling in TV White Spaces	Proceedings of the IEEE Global Communications Conference (GLOBECOM 2010), Miami, FL, December 2010, pp. 1-6.	Radio Resource Management
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
Godrich, H.	Petropulu, A. and Poor, H.V.	Conference Paper	Estimation Performance and Resource Savings: Tradeoffs in Multiple Radar Systems	Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2012), Kyoto, Japan, March 2012, pp. 5205-5208.	Radio Resource Management
Godrich, H.	Petropulu, A. and Poor, H.V.	Journal Paper	Sensor Selection in distributed Multiple-Radar Architectures for Localization: A Knapsack Problem Formulation	IEEE Transactions on Signal Processing, Vol. 60, No. 1, pp. 247-260, January 2012	Radio Resource Management
Godrich, H.	Petropulu, A. and Poor, H.V.	Journal Paper	Power Allocation Strategies for Target Localization in Distributed Multiple Radar Architectures	IEEE Transactions on Signal Processing, Vol. 59, No. 7, pp. 3226-3240, July 2011.	Radio Resource Management
Godrich, H.	Petropulu, A. and Poor, H.V.	Conference Paper	Optimal Power Allocation in Distributed Multiple-Radar Configurations	Proceedings of IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2011), Prague, Czech Republic, February 2011, pp. 2492-2495.	Radio Resource Management

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Godrich, H.	Petropulu, A. and Poor, H.V.	Conference Paper	A Combinatorial Optimization Framework for Subset Selection in Distributed Multiple-Radar Architecture	Proceedings of IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2011), Prague, Czech Republic, February 2011, pp. 2796-2799.	Radio Resource Management
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. <b>***Best Paper Award***</b>	Mobile Networks
Goratti, L.	Wysocki, T., Akhavan, R., Lei, J., Nakase, H. and Kato, S.	Conference Paper	Optimal Beamwidth for Beacon and Contention Access Periods in IEEE 802.15.3c WPAN	Proceedings of the 21st Personal, Indoor and Mobile Radio Conference (PIMRC 2010), Istanbul, Turkey, September 2010, pp. 1395-1400.	Radio/PHY
Greenstein, L.J.	Ghassemzadeh, S.S., Erceg, V. and Michaelson, D.G.	Journal Paper	Ricean K-Factors in Narrowband Fixed Wireless Channels: Theory, Experiments and Statistical Models	IEEE Transactions on Vehicular Technology, Vol. 58, No. 8, pp. 4000-4012, October 2009.	Radio/PHY
Grokop, L.H.	Tse, D.N.C and Yates, R.D.	Journal Paper	Interference Alignment for Line-of-Sight Channels	IEEE Transactions on Information Theory, Vol. 57, No. 9, pp. 5820-5839, September 2011.	Radio/PHY
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
Hirano, Y.	Jain, S. and Raychaudhuri, D.	Conference Paper	Chain Effect of Route Recoveries and MAC Layer Collisions in Wireless Multi-hop Networks	Proceedings of the 2011 IEEE Wireless Communications and Networking Conference (WCNC 2011), Quintana-Roo, Mexico, March 2011, pp. 452-457.	Mobile Networks
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
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
Islam, M.N.	Balasubramanian, S., Mandayam, N., Seskar, I. and Kompella, S.	Conference Paper	Implementation of Distributed Time Exchange Based Cooperative Forwarding	Proceedings of the 2012 Military Communications Conference (MILCOM 2012), Orlando, FL, October/November 2012	Radio Resource Management

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Islam, M.N.	Mandayam, N.B. and Kompella, S.	Conference Paper	Optimal Resource Allocation and Relay Selection in Bandwidth Exchange Based Cooperative Forwarding	Proceedings of the 10 <sup>th</sup> International Symposium on Mobile, Ad Hoc and Wireless Networks (WiOpt 2012), Paderborn, Germany, May 2012, pp. 192–199.	Radio Resource Management
Ivkovic, G.	Spasojevic, P. and Seskar, I.	Conference Paper	Mean Shift Based Segmentation for Time-Frequency Analysis of Packet Based Radio Signals	Proceedings of the 44 <sup>th</sup> Annual Asilomar Conference on Signals, Systems and Computers, Pacific Grove, CA, November 2010.	Radio/PHY
Ivkovic, G.	Spasojevic, P. and Seskar, I.	Conference Paper	Single Sensor Radio Scene Analysis for Packet Based Radio Signals	Proceedings of the 2010 Information Theory and Applications Workshop, San Diego, CA, Jan/Feb 2010.	Radio/PHY
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
Kang, J.	Zhang, Y. and Nath, B.	Journal Paper	An Optimal Resource Control Scheme Under Fidelity and Energy Constraints in Sensor Networks	Wireless Networks, Volume 15, No. 4, pp. 497-512, May 2009.	Radio Resource Management
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
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.	Greenstein, L.J.	Conference Paper	A New Path Loss Modeling Approach for In-Building Wireless Networks	To appear in the Proceedings of the IEEE Global Telecommunications Conference (GLOBECOM 2012), Anaheim, CA, December 2012.	Radio/PHY
Kaya, A.O.	Trappe, W., Greenstein, L.J. and Chizhik, D.	Journal Paper	Predicting MIMO Performance in Urban Microcells Using Ray Tracing to Characterize the Channel	IEEE Transactions on Wireless Communications, Vol. 11, No. 7, pp. 2402–2411, July 2012.	Radio/PHY

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Kaya, A.O.	Trappe, W. and Greenstein, L.	Conference Paper	Adapting MIMO Transmission Mode Along Paths in Urban Environments	Proceedings of IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2010), Dallas, TX, March 2010, pp. 3462-3465.	Radio/PHY
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
Kaya, A.O.	Greenstein, L. and Trappe, W.	Journal Paper	Characterizing Indoor Wireless Channels via Ray Tracing Combined with Stochastic Modeling	IEEE Transactions on Wireless Communications, Vol. 8, No. 8, pp. 4165-4175, August 2009.	Radio/PHY
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
Kleisouris, K.	Chen, Y., Yang, J. and Martin, R.	Journal Paper	Empirical Evaluation of Wireless Localization When Using Multiple Antennas	IEEE Transactions on Parallel and Distributed Systems, Vol. 21, No. 11, pp. 1595-1610, November 2010.	Radio/PHY
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 <sup>th</sup> ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2010), September, 2010, pp. 71-80.	Mobile Computing
Kokalj-Filipovic, S.	Soljanin, E. and Spasojevic, P.	Conference Paper	Is a Rateless Paradigm Fitted for Lossless Compression of Erasure-Impaired Sources	Proceedings of the 49 <sup>th</sup> Annual Allerton Conference on Communication, Control and Computing, Urbana, IL, September 2011, pp. 18-25.	Radio/PHY
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 <sup>th</sup> 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
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
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	On Spatial and Temporal Coherence of a Class of Wireless Vehicular Short Range Channels	Proceedings of the Virginia Tech 2010 Wireless Symposium and Summer School, Blacksburg, VA, June 2010.	Radio/PHY

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Kremo, H.	Seskar, I. and Spasojevic, P.	Conference Paper	Experimental Modeling of the Effect of Adjacent Lane Traffic on the Vehicular Channel	Proceedings of the 1 <sup>st</sup> IEEE Vehicular Networking Conference (VNC 2009), Tokyo, Japan, October 2009, pp. 1-8.	Radio/PHY
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
Krishnan, N.	Yates, R.D. and Mandayam, N.	Conference Paper	Cellular Systems with Many Antennas: Large System Analysis under Pilot Contamination	Proceedings of the 50 <sup>th</sup> Annual Allerton Conference on Communication Control and Computing, Monticello, IL, October 2012.	Radio Resource Management
Krishnan, N.	Yates, R.D., Mandayam, N.B. and Panchal, J.S.	Journal Paper	Bandwidth Sharing for Relaying in Cellular Systems	IEEE Transactions on Wireless Communications, Vol. 11, No. 1, pp. 117-129, January 2012.	Radio Resource Management
Krishnan, N.	Panchal, J., Mandayam, N. B. and Yates, R.D.	Conference Paper	Bandwidth Sharing for LTE-A Relaying Systems	Proceedings of the 48 <sup>th</sup> Annual Allerton Conference on Communication, Control and Computing, Monticello, IL, October 2010, pp. 1125-1128.	Radio Resource Management
Lei, J.	Yates, R.	Conference Paper	Reverse Stripping Soft Decision Decoding for Gaussian Fading Broadcast Channels	Proceedings of the 6 <sup>th</sup> International Symposium on Turbo Codes and Iterative Information Processing (ISTC 2010), Brest, France, September 2010, pp. 482-486.	Radio/PHY
Lei, J.	Greenstein, L. and Yates, R.D.	Journal Paper	Link Gain Matrix Estimation in Distributed Large-Scale Wireless Networks	EURASIP Journal on Wireless Communications and Networking, Volume 2010, Article ID 651795, 9 pages, 2010.	Radio/PHY
Lei, J.	Gao, W., Spasojevic, P. and Yates, R.D.	Conference Paper	Demultiplexer Design for Multi-Edge Type LDPC Coded Modulation	Proceedings of the IEEE International Symposium on Information Theory, Seoul, Korea, June 2009, pp. 933-937.	Radio/PHY
Lei, J.	Gao, W.	Conference Paper	A Code-Matched Interleaver Design over Surrogate Channels	Proceedings of the IEEE Wireless Communication and Networking Conference (WCNC 2009), Budapest, Hungary, April 2009, pp. 1-6.	Radio/PHY
Lei, J.	Yates, R., Spasojevic, P. and Greenstein, L.	Conference Paper	Cooperative Sensing of Primary Users in Cognitive Radio Networks Based on Message Passing	Proceedings of the 43 <sup>rd</sup> Annual Conference on Information Sciences and Systems (CISS 2009), Baltimore, MD, March 2009, pp. 568-573.	Radio/PHY
Lei, J.	Yates, R.D. and Greenstein, L.J.	Journal Paper	A Generic Model for Optimizing Single-Hop Transmission Policy of Replenishable Wireless Sensors	IEEE Transactions on Wireless Communications, Vol. 8, No. 2, pp. 547-551, February 2009.	Radio/PHY
Lei, J.	Yates, R., Greenstein, L.J. and Liu, H.	Journal Paper	Mapping Link SNRs of Real-World Wireless Networks onto an Indoor Testbed	IEEE Transactions of Wireless Communications, Vol. 8, No. 1, pp. 157-165, January 2009.	Radio/PHY
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



Author	Co-Authors	Paper/Talk	Title	Where/When	Category
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
Li, J.	Petropulu, A.	Journal Paper	Explicit Solution of Worst-Case Secrecy Rate for MISO Wiretap Channels with Spherical Uncertainty	IEEE Transactions on Signal Processing, Vol. 60, No. 7, pp. 3892-3895, July 2012. DOI: 10.1109/TSP.2012.2192111.	Radio/PHY
Li, J.	Petropulu, A.	Conference Paper	On Beamforming Solution for Secrecy Capacity of MIMO Wiretap Channels	Proceedings of the IEEE GLOBECOM Workshops (GC Workshops), Houston, TX, December 2011, pp. 889-892. DOI: 10.1109/GLOCOMW.2011.6162584.	Radio/PHY
Li, J.	Petropulu, A.	Conference Paper	On Transmit Beamforming for Physical-Layer Multicasting	Proceedings of the IEEE Global Communications Conference (GLOBECOM 2011), Houston, TX, December 2011, pp. 1-5. DOI: 10.1109/GLOCOM.2011.6134125.	Radio/PHY
Li, J.	Petropulu, A.	Conference Paper	Explicit Solution of Worst-Case Secrecy Rate for MISO Wiretap Channels with Spherical Uncertainty	Proceedings of the 45 <sup>th</sup> Asilomar Conference on Signals, Systems and Computers, Pacific Grove, CA, November 2011, pp. 198-201.	Radio/PHY
Li, J.	Petropulu, A.	Journal Paper	On Ergodic Secrecy Capacity for Gaussian MISO Wiretap Channels	IEEE Transactions on Wireless Communications, Vol. 10, No. 4, pp. 1176-1187, April 2011.	Radio/PHY
Li, J.	Petropulu, A. and Weber, S.	Journal Paper	On Optimal Cooperative Relaying Schemes for Improving Wireless Physical Layer Security	IEEE Transactions on Signal Processing, Vol. 59, No. 10, pp. 4985-4997, October 2011.	Radio/PHY
Li, J.	Petropulu, A. and Poor, H.V.	Journal Paper	On Cooperative Beamforming Based on Second-Order Statistics of Channel State Information	IEEE Transactions on Signal Processing, Vol. 59, No. 3, pp. 1280-1291, March 2011.	Radio/PHY
Li, J.	Petropulu, A.	Conference Paper	Ergodic Secrecy Rate for Gaussian MISO Wiretap Channels with Non-Trivial Covariance	Proceedings of the IEEE Global Telecommunications Conference (GLOBECOM 2010), Miami, FL, December 2010, pp. 1-5.	Radio/PHY
Li, T.	Mandayam, N.B. and Reznik, A.	Journal Paper	A Framework for Distributed Resource Allocation and Admission Control in a Cognitive Digital Home	To appear in the IEEE Transactions on Wireless Communication	Radio Resource Management
Li, T.	Mandayam, N. B.	Invited Paper	Prospects in a Wireless Random Access Game	Proceedings of the 46 <sup>th</sup> Annual Conference on Information Sciences and Systems (CISS 2012), Princeton, NJ, March 2012.	Radio Resource Management
Li, T.	Mandayam, N. and Reznik, A.	Conference Paper	Distributed Algorithms for Joint Channel and RAT Allocation in a Cognitive Digital Home	Proceedings of the 9 <sup>th</sup> International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks, Princeton, NJ, May 2011, pp. 213-219.	Radio Resource Management
Li, T.	Mandayam, N. and Reznik, A.	Conference Paper	A Framework for Resource Allocation in a Cognitive Digital Home	Proceedings of IEEE Global Communications Conference (GLOBECOM 2010), Miami, FL, December 2010, pp. 1-5.	Radio Resource Management
Li, Y.	Soljanin, E. and Spasojevic, P.	Journal Paper	Three Schemes for Coded Broadcast in a Wireless Network of Heterogeneous Users	To appear in Elsevier Physical Communications: Special Issue on Network Coding, 2012.	Radio/PHY

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Li, Y.	Soljanin, E. and Spasojevic, P.	Journal Paper	Effects of Generation Size and Overlap on Throughput and Complexity in Randomized Linear Network Coding	IEEE Transactions on Information Theory, Vol. 57, No. 2, pp. 1111-1123, February 2011.	Radio/PHY
Li, Y.	Soljanin, E. and Spasojevic, P.	Conference Paper	Collecting Coded Coupons Over Generations	Proceedings of the IEEE International Symposium on Information Theory (ISIT 2010), Austin, TX, June 2010, pp. 2448-2452.	Radio/PHY
Li, Y.	Soljanin, E. and Spasojevic, P.	Conference Paper	Collecting Coded Coupons Over Overlapping Generations	Proceedings of the IEEE International Symposium on Network Coding (NetCod 2010), Toronto, CA, June 2010, pp. 1-6.	Radio/PHY
Li, Y.	Soljanin, E.	Conference Paper	Rateless Codes for Single-Server Streaming to Diverse Users	Proceedings of the 47 <sup>th</sup> Annual Allerton Conference on Communication, Control and Computing, Monticello, IL, September/October 2009, pp. 1419-1426.	Radio/PHY
Li, Z.	Yates, R. and Trappe, W.	Journal Paper	Achieving Secret Communication for Fast Relaying Fading Channels	IEEE Transactions on Wireless Communications, Vol. 9, No. 9, pp. 2792-2799, September 2010.	Radio/PHY
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 <sup>th</sup> 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
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
Liu, H.	Razoumov, L., Mandayam, N. and Spasojevic, P.	Journal Paper	An Optimal Power Allocation Scheme for the STC Hybrid-ARQ over Energy Limited Networks	IEEE Transactions on Wireless Communications, Vol. 8, No. 12, pp. 5718-5722, December 2009.	Radio/PHY
Liu, S.	Greenstein, L.J., Trappe, W. and Chen, Y.	Journal Paper	Detecting Anomalous Spectrum Usage in Dynamic Spectrum Access Networks	Elsevier Ad Hoc Networks, Special Issue on Cognitive Radio and Ad Hoc Networks, Vol. 10, No. 5, pp. 831-844, July 2012.	Radio/PHY
Liu, S.	Greenstein, L.J.	Journal Paper	Interference Evaluation of Overhead Medium-Voltage Broadband Power Line (BPL) Systems	IEEE Transactions on Electromagnetic Compatibility, Vol. 52, No. 4, pp. 866-877, November 2010.	Radio/PHY
Liu, S.	Chen, Y., Trappe, W. and Greenstein, L.J.	Conference Paper	ALDO: An Anomaly Detection Framework for Dynamic Spectrum Access Networks	Proceedings of the IEEE 28 <sup>th</sup> Conference on Computer Communications (INFOCOM 2009), Rio de Janeiro, Brazil, April 2009, pp. 675-683.	Radio/PHY
Liu, S.	Chen, Y., Trappe, W. and Greenstein, L.J.	Conference Paper	Non-Interactive Localization of Cognitive Radios Based on Dynamic Signal Strength Mapping	Proceedings of the Sixth International Conference on Wireless On-Demand Network Systems and Services, Snowbird, UT, February 2009, pp. 85-92.  ***Best Paper Award***	Radio/PHY
Liu, X.	Petropulu, A. and Sarkar, S.	Conference Paper	Delay Minimization for Random Scheduling in Centralized Wireless Networks	Proceedings of the 46 <sup>th</sup> Annual IEEE Conference on Information Sciences and Systems (CISS 2012), Princeton, NJ, March 2012, pp. 1-6.	Radio/PHY

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
Liu, X.	Petropulu, A., Poor, H.V. and Koivunen	Journal Paper	Blind Separation of Multiple Users Based on Carrier Frequency Offset and Delay Diversity	EURASIP Journal on Wireless Communications and Networking, Vol. 2010, Article ID 939340, 12 Pages.	Radio/PHY
Liu, Y.	Petropulu, A.	Conference Paper	Antenna Selection in Relay Networks with Multiple Source-Destination Pairs in the Presence of Imperfect CSI	Proceedings of the 46 <sup>th</sup> Annual IEEE Conference on Information Sciences and Systems (CISS 2012), Princeton, NJ, March 2012, pp. 1-5.	Radio/PHY
Liu, Y.	Petropulu, A.	Conference Paper	Relay Selection and Scaling Law in Destination Assisted Physical Layer Secrecy Systems	Proceedings of the IEEE Statistical Signal Processing Workshop, Ann Arbor, MI, August 2012, pp. 381-384.	Radio/PHY
Liu, Y.	Petropulu, A.	Conference Paper	QoS Guarantees in Relay Networks with Multiple Source-Destination Pairs and Imperfect CSI	Proceedings of the IEEE 7 <sup>th</sup> Sensor Array and Multichannel Signal Processing Workshop (SAM 2012), Hoboken, NJ, June 2012, pp. 101-104.	Radio Resource Management
Liu, Y.	Petropulu, A.	Journal Paper	On the Sumrate of Amplify-and-Forward Relay Networks with Multiple Source-Destination Pairs	IEEE Transactions on Wireless Communications, Vol. 10, No. 11, pp. 3732-3742, November 2011.	Radio Resource Management
Liu, Y.	Petropulu, A. and Poor, H.V.	Conference Paper	Joint Decode-and-Forward and Jamming for Wireless Physical Layer Security with Destination Assistance	Proceedings of the 45 <sup>th</sup> Asilomar Conference on Signals, Systems and Computers, Pacific Grove, CA, November 2011, pp. 109-113.	Radio/PHY
Liu, Y.	Petropulu, A.	Conference Paper	On Amplify-and-Forward Relay Networks with Multiple Source-Destination Pairs	Proceedings of the IEEE Global Telecommunications Conference (GLOBECOM 2010), Miami, FL, December 2010, pp. 1-5.	Radio Resource Management
Loiacono, M.	Johnson, J., Rosca, J. and Trappe, W.	Conference Paper	Cross-Layer Link Adaptation for Wireless Video	Proceedings of the 2010 IEEE International Conference on Communications (ICC), Cape Town, South Africa, May 2010, pp. 1-6.	Radio/PHY
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
Luo, S.	Li, J. and Petropulu, A.	Conference Paper	Outage Constrained Secrecy Rate Maximization Using Cooperative Jamming	Proceedings of the IEEE Statistical Signal Processing Workshop, Ann Arbor, MI, August 2012, pp. 389-392.	Radio/PHY
Luo, S.	Lu, J. and Petropulu, A.	Conference Paper	Physical Layer Security with Uncoordinated Helpers Implementing Cooperative Jamming	Proceedings of the IEEE 7 <sup>th</sup> Sensor Array and Multichannel Signal Processing Workshop (SAM 2012), Hoboken, NJ, June 2012, pp. 97-100.	Radio/PHY
Luo, S.	Godrich, H., Petropulu, A. and Poor, H.V.	Conference Paper	Knapsack Problem Formulation for Relay Selection in Secure Cooperative Wireless Communications	Proceedings of IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2011), Prague, Czech Republic, February 2011, pp. 2512-2515.	Radio Resource Management
Mandayam, N.		Keynote Address	Towards Green Techniques for Wireless	The 9 <sup>th</sup> IFIP Annual Mediterranean Ad Hoc Networking Workshop (MedHocNet 2010), Juan-Les-Pins, France, June 2010.	Radio Resource Management

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Mandayam, N.			Resource Allocation In Cognitive Radio Networks	Briefer to the JASON Study on Cognitive Radio Networks, San Diego, CA, June 2010.	Radio Resource Management
Mandayam, N.		Panel Leader	Communicating in TV White Space	2010 IEEE Communication Theory Workshop, Cancun, Mexico, May 2010.	Radio/PHY
Mandayam, N.		Panelist	Towards Green Wireless	IEEE Sarnoff Symposium, Princeton, NJ, April 2010.	Radio Resource Management
Marcus, J.	Budisin, S. and Spasojevic, P.	Conference Paper	On the Size of Binary MWBE Sequence Sets	Proceedings of the 9 <sup>th</sup> International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOpt) Princeton, NJ, May 2011, pg. 374.	Radio/PHY
Maric, I.	Yates, R.D.	Journal Paper	Bandwidth and Power Allocation for Cooperative Strategies in Gaussian Relay Networks	IEEE Transactions on Information Theory, Vol.56, No. 4, pp. 1880-1889, April 2010.	Radio Resource Management
Mathur, S.	Miller, R., Varshavsky, A., Trappe, W. and Mandayam, N.	Conference Paper	ProxiMate: Proximity-Based Secure Pairing Using Ambient Wireless Signals	Proceedings of the 9 <sup>th</sup> International Conference on Mobile Systems, Applications, and Services, Washington, DC, July 2011, pp. 211-224.	Radio/PHY
Mathur, S.	Reznik, A., Ye, C., Mukherjee, R., Rahman, A., Shah, Y., Trappe, W. and Mandayam, N.	Journal Paper	Exploiting the Physical Layer for Enhanced Security	IEEE Wireless Communications Magazine, Special Issue on Security and Privacy, Vol. 17, No. 5, pp. 63-70, October 2010.	Radio/PHY
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 <sup>th</sup> Annual International Conference on Mobile Systems, Applications and Services, San Francisco, CA, June 2010, pp. 123-136.	Mobile Computing
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
Mian, S.	Rose, C.	Journal Paper	Communication Theory and Multicellular Biology	Integrative Biology, DOI:10.1039/C0IB00117A v.3(4), pp. 350-367, April 2011.	
Michaelson, D.G.	Erceg, V., Ghassemzadeh, S.S. and Greenstein, L.J.	Journal Paper	An Empirical Model for Dual-Diversity Reception over Fixed Wireless Channels in Suburban Macrocell Environments	IEEE Transactions on Wireless Communications, Vol. 8, No. 8, pp. 4220-4229, August 2009.	Radio/PHY
Miller, R.	Trappe, W.	Journal Paper	On the Vulnerabilities of CSI in MIMO Wireless Communication Systems	IEEE Transactions on Mobile Computing, Vol. 11, No. 8, pp. 1386-1398, August 2012.	Radio/PHY
Miller, R.	Trappe, W.	Conference Paper	Subverting MIMO Wireless Systems by Jamming the Channel Estimation Procedure	Proceedings of the 3 <sup>rd</sup> ACM Conference on Wireless Network Security (WiSec 2010), Hoboken, NJ, March 2010, pp. 19-24.	Radio/PHY
Miller, R.	Trappe, W.	Conference Paper	Physical Layer Techniques for Enhanced Situational Awareness	Proceedings of 2010 IEEE International Conference on Acoustics Speech and Signal Processing (ICASSP), Dallas, TX, March 2010, pp. 2234-2237.	Radio/PHY
Namboodiri, V.	Liu, H. and Spasojevic, P.	Conference Paper	Successive Interference Cancellation Based Turbo Equalization for MIMO OFDM Systems	Proceedings of the 45 <sup>th</sup> Annual Conference on Information Sciences and Systems, Princeton, NJ, March 2011, pp. 1-6.	Radio/PHY

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Namboodiri, V.	Liu, H. and Spasojevic, P.	Conference Paper	Low Complexity Turbo Equalization for Mobile MIMO OFDM Systems	Proceedings of 5 <sup>th</sup> International Symposium on Communications, Control and Signal Processing (ICCSP 2011), Calicut, Kerala, India, February 2011, pp. 255-260.	Radio/PHY
Namboodiri, V.	Liu, H. and Spasojevic, P.	Conference Paper	Low Complexity Turbo Equalization for Mobile OFDM Systems with Application to DVB-H	Proceedings of the IEEE Global Communications Conference (GLOBECOM), Miami, FL, December 2010, pp. 1328-1333.	Radio/PHY
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
Park, H-S.	Sugrim, S., Spasojevic, P. and Park, Y-K.	Conference Paper	Noise Power and SNR Estimation Based on the Preamble in Tri-Sector OFDM Systems	Proceedings of the IEEE 73 <sup>rd</sup> Vehicular Technology Conference - VTC Spring, Budapest, Hungary, May 2011, pp. 1-5.	Radio/PHY
Petropulu, A.	Yu, Y. and Huang, J.	Conference Paper	On Exploring a Sparsity in Widely Separated MIMO Radar	Proceedings of the 45 <sup>th</sup> Asilomar Conference on Signals, Systems and Computers, Pacific Grove, CA, November 2011, pp. 1496-1500.	Radio/PHY
Pinagapany, S.	Sequeira, S., Bindiganavile, A., Futatsugi, Y., Ariyoshi, M. and Spasojevic, P.	Conference Paper	Experimental Evaluation of Interference Avoidance Opportunistic Secondary Transmission for Coexistence with Primary Systems	Proceedings of the Wireless Innovation Forum Conference on Communications Technologies and Software Defined Radio (SDR '11-WinnComm), Washington, DC, November/December 2011.  ***Best Paper - R & D Track***	Radio Resource Management
Pupula, R.N.	Daut, D.G. and Greenstein, L.J.	Journal Paper	System-Level Impact of Multi-User Diversity in SISO and MIMO-Based Cellular Systems	Journal of Communications: Special Issue on Practical Physical Layer Techniques for 4G and Beyond, Vol. 6, No. 4, pp. 274-284, July 2011.	Radio/PHY
Pupula, R.N.	Yuan, Y., Bi, Q., and Greenstein, L.J.	Journal Paper	Downlink System Throughput Statistics for Various MEA Configurations	Journal of Communications: Special Issue on Practical Physical Layer Techniques for 4G and Beyond, Vol. 6, No. 4, pp. 284-292 July 2011.	Radio/PHY

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Pupala, R.N.	Greenstein, L.J. and Daut, D.G.	Journal Paper	Throughput Analysis of Interference-Limited MIMO-Based Cellular Systems	IEEE Transactions on Wireless Communications, Vol. 9, No. 6, pp. 1946-1951, June 2010.	Radio/PHY
Pupala, R.N.	Greenstein, L.J. and Daut, D.	Journal Paper	Downlink Throughput Statistics in Interference-Limited Cellular Systems with Multi-Element Antennas	IEEE Transactions on Communications, Vol. 58, No. 1, pp. 311-317, January 2010.	Radio/PHY
Pupala, R.N.	Greenstein, L. and Daut, D.	Journal Paper	Effects of Channel Dispersion and Path Correlations on System-Wide Throughput in MIMO-based Cellular Systems	IEEE Transactions on Wireless Communications, Vol. 8, No. 11, pp. 5477-5482, November 2009.	Radio/PHY
Raina, M.	Spasojevic, P.	Conference Paper	Decoding Complexity of Irregular LDGM-LDPC Codes over the BISOM Channels	Proceedings of the 44 <sup>th</sup> Annual Conference on Information Sciences and Systems (CISS 2010), Princeton, NJ, March 2010, pp. 1-6.	Radio/PHY
Raina, M.	Liu, R., Spasojevic, P. and Poor, H.V.	Conference Paper	Application of LDGM-LDPC Codes to Secrecy Coding for the Type-II Binary Symmetric Wiretap Channel	Proceedings of the 2010 IEEE Information Theory Workshop, Cairo, Egypt, January 2010, pp. 1-5.	Radio/PHY
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
Raman, C.	Foschini, G.J., Valenzuela, R.A., Yates, R.D. and Mandayam, N.	Journal Paper	Half-Duplex Relaying in Downlink Cellular Systems	IEEE Transactions on Wireless Communications, Vol. 10, No. 5, pp. 1396-1404, May 2011.	Radio Resource Management
Raman, C.	Foschini, G.J., Valenzuela, R.A., Yates, R.D. and Mandayam, N.	Conference Paper (Invited)	Relaying in Downlink Cellular Systems	Proceedings of the 44 <sup>th</sup> Annual Conference on Information Sciences and Systems (CISS 2010), Princeton, NJ, March 2010, pp. 1-6.	Radio Resource Management
Raman, C.	Foschini, G.J., Valenzuela, R.A., Yates, R.D. and Mandayam, N.B.	Conference Paper	Power Savings from Half-Duplex Relaying in Downlink Cellular Systems	Proceedings of the 47 <sup>th</sup> Annual Allerton Conference on Communication, Control, and Computing, Monticello, IL, September 2009, pp. 748-753.	Radio Resource Management
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
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

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
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
Rong, Y.	Tang, X. and Hua, Y.	Journal Paper	A Unified Framework for Optimizing Linear Non-Regenerative Multicarrier MIMO Relay Communication Systems	IEEE Transactions on Signal Processing, Vol. 57, No. 12, pp. 4837-4852, December 2009.	Radio/PHY
Rose, C.		Invited Talk	Communication Using Identical Tokens	Information Theory and Applications Workshop, University of California at San Diego, February 2012.	Radio/PHY
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 <sup>th</sup> USENIX Conference on Security, Washington, DC, August 2010, pp. 323-338.	Mobile Computing
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
Sankar, L.	Mandayam, N.B. and Poor, H.V.	Journal Paper	On the Sum-Capacity of Degraded Gaussian Multiple-Access Relay Channels	IEEE Transactions on Information Theory, Vol. 55, No. 12, pp. 5394-5411, December 2009.	Radio/PHY
Sequeira, S.	Pinagapany, S., Futatsugi, Y., Ariyoshi, M. and Spasojevic, P.	Conference Paper	A Demonstration of Adaptive Spectrum Sensing and Interference Suppressed Opportunistic Secondary Transmission	Proceedings of the 6 <sup>th</sup> International ICST Conference on Cognitive Radio Oriented Wireless Networks and Communications (CROWNCOM) Demonstration Track, Osaka, Japan, June 2011.	Radio/PHY
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

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Somani, N.	Chanda, A., Nelson, S.C. and Raychaudhuri, D.	Conference Paper	Storage-Aware Routing for Robust and Efficient Services in the Future Mobile Internet	Proceedings of the 5 <sup>th</sup> International Workshop on the Network of the Future, held in conjunction with IEEE ICC, Ottawa, Canada, June 2012.	Radio/PHY
Song, R.	Tsai, Y-L., Rose, C. and Mian, I.S.	Conference Paper	Wireless: Signaling with Identical Quanta	Proceedings of the IEEE Wireless Communications and Networking Conference (WCNC 2012), Paris, France, April 2012, pp. 699-703.	Radio/PHY
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, X.	Wang, Q., Cimini, L.J., Greenstein, L.J. and Chan, D.S.	Journal Paper	ICI/ISI-Aware Beamforming for MIMO-OFDM Wireless Systems	IEEE Transactions on Wireless Communications, Vol. 11, No. 1, pp. 378-385, January 2012.	Radio/PHY
Sun, X.	Cimini, L.J., Greenstein, L.J., Chan, D. and Wang, G.	Journal Paper	ICI/ISI Aware Beamforming for MIMO-OFDM Wireless Systems	To appear in Transactions on Wireless Communications.	Radio/PHY
Sun, X.	Cimini, L.J., Greenstein, L.J., Chan, D.S. and Kruys, J.	Conference Paper	Coordinated Zero-Forcing Beamforming in Multipoint MIMO Networks for Backhaul Applications	Proceedings of the 2009 Military Communications Conference (MILCOM 2009), Boston MA, October 2009, pp. 1-7.	Radio/PHY
Sun, X.	Cimini, L.J., Greenstein, L.J. and Chan, D.S.	Conference Paper	ICI/ISI Aware Beamforming for MIMO-OFDM Wireless Systems	Proceedings of the Conference on Information Sciences and Systems (CISS '09), Baltimore, MD, March 2009, pp. 103-107.	Radio/PHY
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
Tang, X.	Liu, R., Spasojevic, P. and Poor, H.V.	Conference Paper	Secret-Key Generation Over Wireless Fading Channel	Proceedings of the 2010 Information Theory and Application Workshop, UCSD, La Jolla, CA, Jan/Feb 2010.	Radio/PHY
Tang, X.	Ramprasad, S.A. and Papadopoulos	Conference Paper	Multi-Cell User Scheduling and Random Beamforming Strategies for Downlink Wireless Communications	Proceedings of the IEEE 70 <sup>th</sup> Vehicular Technology Conference (VTC 2009), Anchorage, Alaska, September 2009, pp. 1-5.	Radio Resource Management
Tang, X.	Liu, R., Spasojevic, P. and Poor, H.V.	Conference Paper	Secret-Key Sharing Based on Layered Broadcast Coding over Fading Channels	Proceedings of the IEEE International Symposium on Information Theory (ISIT 2009), Seoul Korea, June/July 2009, pp. 2762-2766.	Radio/PHY
Tang, X.	Liu, R., Spasojevic P. and Poor, H.V.	Journal Paper	On the Throughput of Secure Hybrid-ARQ Protocols for Gaussian Block-fading Channels	IEEE Transactions on Information Theory, Vol. 55, No. 4, pp. 1575-1591, April 2009.	Radio/PHY
Tavan, M.	Agrell, E. and Karout, J.	Journal Paper	Bandlimited Intensity Modulation	To appear in IEEE Transactions on Communications, 2012.	Radio/PHY
Tavan, M.	Agrell, E. and Karout, J.	Conference Paper	Strictly Bandlimited ISI-Free Transmission Over Intensity-Modulated Channels	Proceedings of the IEEE Global Communications Conference (GLOBECOM 2011), Houston, TX, December 2011, pp. 1-6.	Radio/PHY



Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Tsai, Y-L.	Rose, C. and Song, R.	Conference Paper	An Additive Exponential Noise Channel with a Transmission Deadline	Proceedings of the IEEE International Symposium on Information Theory (ISIT 2011), St. Petersburg, Russia, July/August 2011, pp. 718-722.	Radio/PHY
Tsai, Y-L.	Rose, C.	Conference Paper	MIMO Power Strategies for Limited Transmitter CSI	Proceedings of the 44 <sup>th</sup> Annual Conference on Information Sciences and Systems (CISS 2010), Princeton, NJ, March 2010, pp. 1-4.	Radio/PHY
Tse, D.	Yates, R.D.	Journal Paper	Fading Broadcast Channels With State Information at the Receivers	IEEE Transactions on Information Theory, Vol. 58, No. 6, pp. 3453-3471, June 2012.	Radio/PHY
Turgut, B.	Martin, R.	Conference Paper	Using a-Priori Information to Improve the Accuracy of Indoor Dynamic Localization	Proceedings of the 12 <sup>th</sup> ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWiM), October 2009, pp. 396-404.	Radio/PHY
Varga, M.	Ashok, A., Gruteser, M., Mandayam, N., Yuan, W. and Dana, K.	Conference Demo	Visual MIMO-based LED-Camera Communication Applied to Automobile Safety	Proceedings of the 9 <sup>th</sup> International Conference on Mobile Systems, Applications and Services (ACM MobiSys '11), Washington, DC, June/July 2011, pp. 383-384.	Radio/PHY
Tang, X.	Liu, R., Spasojevic, P. and Poor, H.V.	Journal Paper	Interference Assisted Secret Communication	IEEE Transactions on Information Theory, Vol. 57, No. 5, pp. 3153-3167, May 2011.	Radio/PHY
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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>nd</sup> 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 <sup>th</sup> IEEE Sarnoff Symposium, Newark, NJ, May 2012, pp. 1-5.	Mobile Computing
Wang, Q.	Cimini, L.J., Greenstein, L.J. and Chan, D.S.	Conference Paper	Single-User and Multi-User Mode Selection for MIMO Broadcast Channels with Imperfect Channel State Information	Proceedings of the 46 <sup>th</sup> Annual Conference on Information Sciences and Systems (CISS 2012), Princeton, NJ, March 2012, pp. 1-6.	Radio/PHY
Wang, Q.	Cimini, L.J., Greenstein, L.J. and Chan, D.S.	Conference Paper	Interference Management Approaches for MU-MIMO with Shadow Fading Channels	Proceedings of the 45 <sup>th</sup> Annual Conference on Information Sciences and Systems (CISS 2011), Baltimore, MD, March 2011, pp. 1-6.	Radio Resource Management
Wani, M.	Miljanic, Z., Spasojevic, P. and Redington, J.	Conference Paper	ASIP Data Plane Processor for Multi-Standard Interleaving and De-Interleaving	Proceedings of the 44 <sup>th</sup> Annual Asilomar Conference on Signals Systems and Computers, Pacific Grove, CA, November 2010, pp. 1259-1263.	Radio/PHY
Wolniansky, P.	Seskar, I.	Conference Paper	Aggressive Cognitive Radio (ACR): How To Make Your Own White Space	Proceedings of the 10 <sup>th</sup> ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc '09), New Orleans, LA, May 2009, pp. 319-320.	Radio/PHY

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Xiao, L.	Reznik, A., Trappe, W., Ye, C., Shah, Y., Greenstein, L.J. and Mandayam, N.	Conference Paper	PHY-Authentication Protocol for Spoofing Detection in Wireless Networks	Proceedings of the IEEE Global Communications Conference (GLOBECOM 2010), Miami, FL, December, 2010, pp. 1-6.	Radio/PHY
Xiao, L.	Greenstein, L.J., Mandayam, N. and Trappe, W.	Journal Paper	Channel-based Spoofing Detection in Frequency-Selective Rayleigh Channels	IEEE Transactions on Wireless Communications, Vol. 8, No. 12, pp. 5948-5956, December 2009.	Radio/PHY
Xiao, L.	Greenstein, L.J., Mandayam, N. and Trappe, W.	Journal Paper	Channel-based Detection of Sybil Attacks in Wireless Networks	IEEE Transactions on Information Forensics and Security, Vol. 4, No. 3, pp. 492-503, September 2009.	Radio/PHY
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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>nd</sup> 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
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., 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
Yang, J.	Varshavsky, A., Liu, H., Chen, Y. and Gruteser, M.	Conference Paper	Accuracy Characterization of Cell Tower Localization	Proceedings of the 12 <sup>th</sup> ACM International Conference on Ubiquitous Computing (UBICOMP 2010), Copenhagen, Denmark, September 2010, pp. 223-226.	Radio/PHY
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
Yang, X.	Petropulu, A.	Book Chapter	Modeling of Co-Channel Interference in Wireless Communications	Chapter in "Classical, Semi-Classical and Quantum Noise" (in honor of the contributions of David Middleton), Springer, 2012.	Radio/PHY

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
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
Yates, R.D.	Lei, J.	Conference Paper	Gaussian Fading Broadcast Channels with CSI Only at the Receivers: An Improved Constant Gap	Proceedings of the 2011 IEEE International Symposium on Information Theory (ISIT 2011), St. Petersburg, Russia, August 2012, pp. 2969-2973.	Radio/PHY
Yates, R.D.	Tse, D.	Conference Paper	K-user Fading Broadcast Channels with CSI at the Receivers	Proceedings of the Information Theory and Applications Workshop (ITA 2011), San Diego, CA, February 2011, pp. 1-6.	Radio/PHY
Ye, C.	Mathur, S., Reznik, A., Shah, Y., Trappe, W. and Mandayam, N.	Journal Paper	Information-Theoretically Secret Key Generation for Fading Wireless Channels	IEEE Transactions on Information Forensics and Security, Vol. 5, No. 2, pp. 240-254, June 2010.	Radio Resource Management
Yu, Y.	Petropulu, A. and Poor, H.V.	Conference Paper	Power Allocation for CS-Based Colocated MIMO Radar Systems	Proceedings of the IEEE 7 <sup>th</sup> Sensor Array and Multichannel Signal Processing Workshop (SAM 2012), Hoboken, NJ, June 2012, pp. 217-220.	Radio Resource Management
Yu, Y.	Petropulu, A.	Invited Talk	A Study on Power Allocation with Uncoordinated Helpers Implementing Cooperative Jamming	Proceedings of the Defense, Security and Sensing Conference (SPIE), Baltimore, MD, April 2012.	Radio/PHY
Yu, Y.	Petropulu, A. and Poor, H.V.	Journal Paper	CSSF MIMO RADAR: Compressive-Sensing and Step-Frequency Based MIMO Radar	IEEE Transactions on Aerospace and Electronic Systems, Vol. 48, No. 2, pp. 1490-1504, April 2012. Also available at <a href="http://arxiv.org/PS_cache/arxiv/pdf/1101/1101.2719v1.pdf">http://arxiv.org/PS_cache/arxiv/pdf/1101/1101.2719v1.pdf</a>	Radio/PHY
Yu, Y.	Petropulu, A. and Poor, H.V.	Journal Paper	Measurement Matrix Design for Compressive Sensing-Based MIMO Radar	IEEE Transactions on Signal Processing, Vol. 59, No. 11, pp. 5338-5352, November 2011. Also available at <a href="http://arxiv.org/PS_cache/arxiv/pdf/1102/1102.5079v1.pdf">http://arxiv.org/PS_cache/arxiv/pdf/1102/1102.5079v1.pdf</a>	Radio/PHY
Yu, Y.	Petropulu, A. and Poor, H.V.	Journal Paper	MIMO Radar Using Compressive Sampling	IEEE Journal on Selected Topics in Signal Processing, Vol. 4, No. 1, pp. 146-163, February 2010.	Radio/PHY
Yu, Y.	Yatawatta, S. and Petropulu, A.P.	Journal Paper	A Precoded OFDMA System with User Cooperation	EURASIP Journal on Wireless Communications and Networking, Vol. 2010, Article ID 843745, 12 Pages.	Radio/PHY
Yuan, W.	Dana, K., Ashok, A., Gruteser, M. and Mandayam, N.	Conference Paper	Dynamic and Invisible Messaging for Visual MIMO	Proceedings of the IEEE Workshop on Applications of Computer Vision (WACV 2012), January 2012, pp. 345-352.	Radio/PHY
Yuan, W.	Dana, K., Varga, M., Ashok, A., Gruteser, M. and Mandayam, N.	Conference Paper	Computer Vision Methods for Visual MIMO Optical System	Proceedings of the IEEE International Workshop on Projector-Camera Systems, held in conjunction with the IEEE CVPR, Colorado Springs, CO, June 2011.	Radio/PHY
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.	Gruteser, M. and Hu, F.	Conference Paper	Improving Robustness of Key Extraction from Wireless Channels with Differential Techniques	To appear in the Proceedings of the International Conference on Computing, Networking and Communications (ICNC 2012), Maui, HI, Jan/Feb 2012, pp. 980-984.	Radio/PHY

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
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.	Mandayam, N.	Journal Paper	Analyzing Random Network Coding with Differential Equations and Differential Inclusions	IEEE Transactions on Information Theory, Vol. 57, No. 12, pp. 7932-7949, December 2012.	Radio/PHY
Zhang, D.	Su, K. and Mandayam, N.	Conference Paper	Network Coding Aware Resource Allocation to Improve Throughput	Proceedings of the IEEE International Symposium on Information Theory (ISIT 2012), Cambridge, MA, July 2012, pp. 1311-1315.	Radio Resource Management
Zhang, D.	Mandayam, N.	Conference Paper	Bandwidth Exchange for Fair Secondary Coexistence in TV White Space	Proceedings of the 2nd International ICST Conference on Game Theory for Networks (GameNets), Shanghai, China, April 2011.	Radio Resource Management
Zhang, D.	Dong, L. and Mandayam, N.	Conference Paper	Sensing Wireless Microphone with ESPRIT from Noise and Adjacent Channel Interference	Proceedings of the 2010 Global Telecommunications Conference (GLOBECOM 2010), Miami, FL, December 2010, pp. 1-5.	Radio/PHY
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
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, D.	Shinkuma, R. and Mandayam, N.	Conference Paper	Bandwidth Exchange for Enabling Forwarding in Wireless Access Networks	Proceedings of the 20th Personal, Indoor and Mobile Radio Communications Symposium 2009 (PIMRC'09), Tokyo, Japan, September 2009, pp. 2628-2632.	Radio Resource Management
Zhang, F.	Vu, T., Baid, A., Zhang, Y., Nguyen, T.D., Nagaraja, K., Seskar, 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

Author	Co-Authors	Paper/Talk	Title	Where/When	Category
Zhang, F.	Nagaraja, K., Zhang, Y. and Raychaudhuri, D.	Invited Paper	Content Delivery in the MobilityFirst Future Internet Architecture	Proceedings of the 35 <sup>th</sup> Sarnoff Symposium, Newark, NJ, May 2012, pp. 1-5.	Mobile Networks
Zhang, Y.	Baliga, A. and Trappe, W.	Conference Paper	Reactive On-Board Regulation of Cognitive Radios	Proceedings of the 2010 International Symposium on a World of Wireless Mobile and Multimedia Networks (WoWMoM), Montreal, Canada, June 2010, pp. 1-6.	Mobile Networks
Zhang, Y.	Wu, Z. and Trappe, W.	Journal Paper	Adaptive Location-Oriented Content Delivery in Delay-Sensitive Pervasive Applications	IEEE Transactions on Mobile Computing, Vol. 10, No. 3, pp. 362-376, March 2011.	Mobile Networks
Zhao, S.	Raychaudhuri, D.	Journal Paper	Scalability and Performance Evaluation of Hierarchical Hybrid Wireless Networks	IEEE/ACM Transactions on Networking, Vol. 17, No. 5, pp. 1536-1549, October 2009.	Mobile Networks
Zhou, W.	Xiong, H., Ge, Y., Yu, J., Ozdemir, H. and Lee, K.C.	Conference Paper	Direction Clustering for Characterizing Movement Patterns	Proceedings of the 2010 IEEE International Conference on Information Reuse and Integration (IRI 2010), Las Vegas, NV, August 2010, pp. 165-170.	Mobile Networks