

Refereed Conference Publications

1. Yuan Liu, K. Xiong, B. Gao, Y. Zhng, P. Fan, and K. B. Letaief, "Multi-UAV assisted communication networks: Towards Max-Min secrecy rate," in *Proc. IEEE International Conference on Computer Communications (INFOCOM)*, Toronto, Canada, July 2020.
2. Huimin Hu, K. Xiong, B. Gao, Y. Zhng, P. Fan, and K. B. Letaief, "Age-energy region in wireless powered communication networks," in *Proc. IEEE International Conference on Computer Communications (INFOCOM)*, Toronto, Canada, July 2020.
3. Haina Zheng, K. Xiong, P. Fan, Z. Zhong, and K. B. Letaief, "Minimum age-energy aware cost in wireless powered fog computing networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Dublin, Ireland, June 2020.
4. Lumin Liu, J. Zhang, S. Song, and K. B. Letaief, "Client-edge-cloud hierarchical federated learning," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Dublin, Ireland, June 2020.
5. K. B. Letaief, "6G: Towards integrated intelligence for a connected world," 6G Wireless Summit 2020, Levi, Lapland, Finland, Mar. 2020.
6. Shuo Wan, J. Lu, P. Fan, and K. B. Letaief, "Towards big data processing in IoT: Network management for online edge data processing," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, Hawaii, USA, Dec. 2019.
7. Y. Shen, Y. Shi, J. Zhang, and K. B. Letaief, "A graph neural network approach for scalable wireless power control," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, Hawaii, USA, Dec. 2019.
8. H. Zheng, K. Xiong, Z. Zhong, P. Fan, , K. B. Letaief, "Age-based utility maximization for wireless powered networks: A Stackelberg game approach," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, Hawaii, USA, Dec. 2019.
9. Y. Yu, W. Wang, J. Zhang, and K. B. Letaief, "LACS: Load-aware cache sharing with isolation guarantee," in *Proc. IEEE Int. Conf. Distrib. Comput. Syst. (ICDCS)*, Dallas, TX, Jul. 2019.
10. Y. Lu, K. Xiong, P. Fan, Z. Zhong, K. B. Letaief, "Online Transmission Policy in Wireless Powered Networks with Urgency-aware Age of Information," in *Proc. IEEE Int. Wireless Commun. Mobile Comput. Conf. (IWCMC)*, Tanger, Morroco, Jun. 2019.
11. X. Yu, J. Zhang, R. Schober, and K. B. Letaief, "A tractable framework for coverage analysis of cellular-connected UAV networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Shanghai, China, May 2019.
12. Y. Shen, Y. Shi, J. Zhang, and K. B. Letaief, "Transfer learning for mixed-integer resource allocation problems in wireless networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Shanghai, China, May 2019.
13. J. Liu, K. Xiong, P. Fan, Z. Zhong, and K. B. Letaief, "Optimal design of SWIPT-aware fog computing networks," in *Proc. IEEE International Conference on Computer Communications (INFOCOM)*, Paris, France, Apr. 2019.
14. H. Yang, J. Zhang, S. H. Song, and K. B. Letaief, "Connectivity-aware UAV path planning with aerial coverage maps," in *Proc. IEEE Wireless Commun. Networking Conf. (WCNC)*, Marrakech, Morroco, Apr. 2019.
15. Y. Yu, R. Huang, W. Wang, J. Zhang, and K. B. Letaief, "SP-Cache: Load-balanced, redundancy- free cluster caching with selective partition," in *Proc. IEEE Int. Conf. High Perf., Comp., Netw., Storage, and Analysis (SC)*, Dallas, TX, USA, Nov. 2018.
16. Y. Shen, Y. Shi, J. Zhang, and K. B. Letaief, "Scalable network adaption for green Cloud-RANs: An imitation learning approach," in *Proc. IEEE Global Conf. Signal and Inf. Process. (GlobalSIP)*, Anaheim, CA, Nov. 2018.
17. Y. Yu, W. Wang, J. Zhang, Q. Weng, and K. B. Letaief, "OpuS: Fair and efficient cache sharing for in-memory data analytics," in *Proc. IEEE Int. Conf. Distrib. Comput. Syst. (ICDCS)*, Vienna, Austria, Jul. 2018.
18. J. Liu, B. Bai, J. Zhang, K. B. Letaief, and Y. Li, "Joint device caching and channel allocation for D2D-assisted wireless content delivery," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Kansas City, MO, USA, May 2018.
19. Y. Yu, W. Wang, J. Zhang, and K. B. Letaief, "LERC: Coordinated cache management for data-parallel systems," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, Singapore, Dec. 2017.
20. X. Yu, J. Zhang, and K. B. Letaief, "Hybrid precoding in millimeter wave systems: How many phase shifters are needed?" in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, Singapore, Dec. 2017 (**Best paper award**).
21. X. Zhang, Y. Mao, J. Zhang, and K. B. Letaief, "Multi-objective resource allocation for mobile edge computing systems," in *Proc. IEEE Int. Symp. on Personal Indoor and Mobile Radio Comm. (PIMRC)*, Montreal, QC, Canada, Oct. 2017.
22. X. Yu, J. Zhang, and K. B. Letaief, "Partially-connected hybrid precoding in mm-wave systems with dynamic phase shifter networks," in *Proc. IEEE Int. Workshop Signal Process. Adv. Wireless Commun. (SPAWC)*, Sapporo, Japan, Jul. 2017.
23. R. Wang, J. Zhang, and K. B. Letaief, "Incentive mechanism design for cache-assisted D2D communications: A mobility-aware approach," in *Proc. IEEE Int. Workshop Signal Process. Adv. Wireless Commun. (SPAWC)*, Sapporo, Japan, Jul. 2017.
24. Y. Yu, W. Wang, J. Zhang, and K. B. Letaief, "LRC: DAG-Aware cache management in distributed data analytics systems," in *Proc. IEEE INFOCOM 2017*, Atlanta, GA, May 2017.
25. R. Wang, J. Zhang, S.H. Song, and K. B. Letaief, "Mobility increases the data offloading ratio in D2D caching networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Paris, France, May 2017.
26. Xianghao Yu, C. Li, J. Zhang, and K. B. Letaief, "A tractable framework for performance analysis of dense multi-antenna networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Paris, France, May 2017.
27. Xuan Liu, Yuanming Shi, J. Zhang, and K. B. Letaief, "Massive CSI acquisition in dense cloud-RAN with spatial and temporal prior information," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Paris, France, May 2017.
28. Y. Mao, J. Zhang, and K. B. Letaief, "Joint task offloading scheduling and transmit power allocation for mobile-edge computing systems," in *Proc. IEEE Wireless Commun. Networking Conf. (WCNC)*, San Francisco, CA, Mar. 2017.
29. Tao Li, Z. Chen, P. Fan, and K. B. Letaief, "Position-based Power Allocation for Uplink HSRs Wireless Communication When Two Trains Encounter," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, Washington, D.C., USA, Dec. 2016.
30. Yinghao Yu, J. Zhang, and K. B. Letaief, "Joint Subcarrier and CPU Time Allocation for Mobile Edge Computing," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, Washington, D.C., USA, Dec. 2016

31. Yuyi Mao, J. Zhang, S. Song, and K. B. Letaief, "Power-Delay Tradeoff in Multi-User Mobile-Edge Computing Systems," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, Washington, D.C., USA, Dec. 2016.
32. J. Liu, Y. Mao, J. Zhang, and K. B. Letaief, "Delay-optimal computation task scheduling for mobile-edge computing systems," in *Proc. IEEE Int. Symp. Information Theory (ISIT)*, Barcelona, Spain, July 2016.
33. Y. Shi, J. Zhang, and K. B. Letaief, "Statistical group sparse beamforming for green Cloud-RAN via large system analysis," in *Proc. IEEE Int. Symp. Information Theory (ISIT)*, Barcelona, Spain, July 2016.
34. C. Li, J. Zhang, S.H. Song, and K. B. Letaief, "Selective uplink training for massive MIMO systems," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Kuala Lumpur, Malaysia, May 2016.
35. X. Peng, J. Zhang, S.H. Song, and K. B. Letaief, "Cache size allocation in backhaul limited wireless networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Kuala Lumpur, Malaysia, May 2016.
36. J. Liu, B. Bai, J. Zhang, and K. B. Letaief, "Content caching at the wireless network edge: A distributed algorithm via brief propagation," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Kuala Lumpur, Malaysia, May 2016 (**Best paper award**).
37. R. Wang, J. Zhang, S.H. Song, and K. B. Letaief, "QoS-aware joint mode selection and channel assignment for D2D communications," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Kuala Lumpur, Malaysia, May 2016.
38. Y. Mao, J. Zhang, and K. B. Letaief, "ARQ with adaptive feedback for energy harvesting receivers," in *Proc. IEEE Wireless Commun. Networking Conf. (WCNC)*, Doha, Qatar, Apr. 2016.
39. X. Yu, J. Zhang, and K. B. Letaief, "Coverage analysis for dense millimeter wave cellular networks: The impact of array size," in *Proc. IEEE Wireless Commun. Networking Conf. (WCNC)*, Doha, Qatar, Apr. 2016.
40. X. Yu, J.-C. Shen, J. Zhang, and K. B. Letaief, "Hybrid precoding design in millimeter wave MIMO systems: An alternating minimization approach," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, San Diego, CA, Dec. 2015.
41. X. Peng, J.-C. Shen, J. Zhang, and K. B. Letaief, "Backhaul-aware caching placement for wireless networks," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, San Diego, CA, Dec. 2015.
42. R. Wang, J. Zhang, S.H. Song, and K. B. Letaief, "QoS-aware channel assignment for sum-rate maximization in D2D communications," in *Proc. IEEE Global Commun. Conf. (GLOBECOM)*, San Diego, CA, Dec. 2015.
43. J. Liu, W. Chen, and K. B. Letaief, "Joint Channel and Queue Aware Scheduling for Wireless Links with Multiple Fading States," in *Proc. IEEE Int. Conf. on Commun. in China (ICCC)*, Shenzhen, China, Nov. 2015.
44. Z. Chen, P. Fan, T. Li, and K. B. Letaief, "On the cooperation gain in 5G heterogeneous networking systems," in *Proc. IEEE Int. Symp. Information Theory (ISIT)*, Hong Kong, Jun. 2015.
45. Y. Shi, J. Zhang, and K. B. Letaief, "Low-rank matrix completion via Riemannian pursuit for topological interference management," in *Proc. IEEE Int. Symp. Information Theory (ISIT)*, Hong Kong, Jun. 2015.
46. Tao Li, P. Fan, and K. B. Letaief, "Energy Harvesting Sensor Networks with a Mobile Control Center: Optimal Transmission Policy," in *Proc. IEEE Int. Conf. Commun. (ICC)*, London, UK, June 2015.
47. Chang Li, J. Zhang, S. Song, and K. B. Letaief, "Analysis of Area Spectral Efficiency and Link Reliability in Multiuser MIMO HetNets," in *Proc. IEEE Int. Conf. Commun. (ICC)*, London, UK, June 2015.
48. Jinkun Cheng, Yuanming Shi, Bo Bai, Wei Chen, Jun Zhang, and K. B. Letaief, "Group Sparse Beamforming for Multicast Green Cloud-RAN via Parallel Semidefinite Programming," in *Proc. IEEE Int. Conf. Commun. (ICC)*, London, UK, June 2015.
49. Lu Yang, S. Song, and K. B. Letaief, "Jointly Optimal Spectrum Deployment and Cognitive Access for ASE Maximization of Macro-Femto HetNets," in *Proc. IEEE Int. Conf. Commun. (ICC)*, London, UK, June 2015.
50. K. Xiong, P. Fan, and K. B. Letaief, "Time-switching Based SWPIT for Network-Coded Two-Way Relay Transmission with Data Rate Fairness," in *Proc. IEEE Int. Conf. Acoustics, Speech and Signal Processing (ICASSP)*, Brisbane, Australia, April 2015.
51. Tao Li, P. Fan, K. Xiong, and K. B. Letaief, "QoS-distinguished Achievable Rate Region for High Speed Railway Wireless Communications," in *Proc. IEEE Wireless Communications and Networking Conference (WCNC'2015)*, New Orleans, USA, March 2015.
52. Yuyi Mao, J. Zhang, and K. B. Letaief, "Joint Base Station Assignment and Power Control in Hybrid Energy Supply Wireless Networks," in *Proc. IEEE Wireless Communications and Networking Conference (WCNC'2015)*, New Orleans, USA, March 2015.
53. T. Li, P. Fan, and K. B. Letaief, "Data Acquisition with RF-based energy harvesting sensor: From information theory to green system," in *Proc. IEEE Global Communications Conference (GLOBECOM 2014)*, Austin, TX, USA, Dec. 2014 (**Best paper award**).
54. Z. Chen, P. Fan, D. Wu, K. Xiong, and K. B. Letaief, "On the achievable rates of full-duplex gaussian relay channel," in *Proc. IEEE Global Communications Conference (GLOBECOM 2014)*, Austin, TX, USA, Dec. 2014.
55. Y. Shi, J. Zhang, and K. B. Letaief, "Scalable coordinated beamforming for dense wireless cooperative networks," in *Proc. IEEE Global Communications Conference (GLOBECOM 2014)*, Austin, TX, USA, Dec. 2014.
56. J.-C. Shen, J. Zhang, and K. B. Letaief, "User capacity of pilot-contaminated TDD massive MIMO systems," in *Proc. IEEE Global Communications Conference (GLOBECOM 2014)*, Austin, TX, USA, Dec. 2014.
57. Y. Mao, J. Zhang, S.H. Song, and K. B. Letaief, "Joint link selection and relay power allocation for energy harvesting relaying systems," in *Proc. IEEE Global Communications Conference (GLOBECOM 2014)*, Austin, TX, USA, Dec. 2014.

58. Y. Luo, J. Zhang, and K. B. Letaief, "Achieving energy diversity with multiple energy harvesting relays," *Int. Conf. on Wireless Commun. and Signal Processing (WCSP)*, Hefei, China, Oct. 2014.
59. X. Peng, J.-C. Shen, J. Zhang, and K. B. Letaief, "Joint data assignment and beamforming for backhaul limited caching networks," in *Proc. IEEE Int. Symp. on Personal Indoor and Mobile Radio Comm. (PIMRC)*, Washington, DC, USA, Sept. 2014 (**Best paper award**).
60. R. Wang, J. Zhang, S.H. Song and K. B. Letaief, "Average Throughput Analysis of Downlink Cellular Networks with Multi-Antenna Base Stations," in *Proc. IEEE Int. Symp. on Personal Indoor and Mobile Radio Comm. (PIMRC)*, Washington, DC, USA, Sept. 2014.
61. Zhengchuan Chen; Pingyi Fan; Dapeng Wu; Yunquan Dong and K. B. Letaief, "On the achievable sum rate of Gaussian interference channel via Gaussian signaling," in *Proc. IEEE Int. Symp. on Information Theory (ISIT)*, Honolulu, Hawaii, USA, June 29-July 4 2014.
62. Zhengchuan Chen, Pingyi Fan and K. B. Letaief, "Subband division for Gaussian relay channel," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Sydney, Australia, June 2014.
63. Bo Bai, Wei Chen, Zhigang Cao and K. B. Letaief, "Outage and energy efficiency tradeoff for multi-flow cooperative communication systems," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Sydney, Australia, June 2014.
64. C. Li, J. Zhang, and K. B. Letaief, "User-centric intercell interference coordination in small cell networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Sydney, Australia, June 2014.
65. Y. Shi, J. Zhang, and K. B. Letaief, "CSI overhead reduction with stochastic beamforming for cloud radio access networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Sydney, Australia, June 2014.
66. L. Yang, S.H. Song, and K. B. Letaief, "Cognitive spectrum access in two-tier femtocell networks," in *Proc. IEEE Int. Conf. Commun. (ICC)*, Sydney, Australia, June 2014.
67. Z. Chen, P. Fan, and K. B. Letaief, "Throughput Optimized Multi-Source Cooperative Networks With Compute-and-Forward," *Wireless and Optical Communications Conference (WOCC'2014)*, Newark, New Jersey, U.S.A, May 9-10 2014.
68. Fangyong Li, J. Zhang, and K. B. Letaief, "Location-Aware Spectrum Sharing in Cognitive Radio Networks - A Semi-Matching Approach," *IEEE Wireless Communications and Networking Conference (WCNC'14)*, Istanbul, Turkey, 6-9 April 2014
69. Y. Shi, J. Zhang, and K. B. Letaief, "Group Sparse Beamforming for Green Cloud Radio Access Networks," in *Proc. IEEE Global Communications Conference (GLOBECOM 2013)*, Atlanta, GA, USA, Dec. 9-13, 2013.
70. C. Li, J. Zhang, and K. B. Letaief, "Performance Analysis of SDMA in Multicell Wireless Networks," in *Proc. IEEE Global Communications Conference (GLOBECOM 2013)*, Atlanta, GA, USA, Dec. 9-13, 2013.
71. K. Xiong, T. Li, P. Fan, Z. Zhong, and K. B. Letaief, "Outage Probability of Space-Time Network Coding with Amplify-and-Forward Relays," in *Proc. IEEE Global Communications Conference (GLOBECOM 2013)*, Atlanta, GA, USA, Dec. 9-13, 2013.
72. Y. Luo, J. Zhang, and K. B. Letaief, "Relay Selection for Energy Harvesting Cooperative Communication Systems," in *Proc. IEEE Global Communications Conference (GLOBECOM 2013)*, Atlanta, GA, USA, Dec. 9-13, 2013.
73. G. Zhao, L. Li, J. Zhang, and K. B. Letaief, "Residential demand response with power adjustable and unadjustable appliances in smart grid," in *Proc. IEEE International Conference on Communications (ICC'2013)*, Budapest, Hungary, June 2013.
74. B. Bai, W. Chen, K. B. Letaief, and Z. Cao, "Conditional outage performance analysis framework for OFDM channels," in *Proc. IEEE International Conference on Communications (ICC 2013)*, Budapest, Hungary, June 2013.
75. S. H. Song, J. Zhong, and K. B. Letaief, "Achievable Diversity Gain of Interference Channel," in *Proc. IEEE Wireless Communications and Networking Conference (WCNC'2013)*, Shanghai, China, April 2013.
76. H. Li, M. W. Liu, S. H. Song, and K. B. Letaief, "Optimality of amplify-and-forward based two-way relaying," in *Proc. IEEE Wireless Communications and Networking Conference (WCNC'2013)*, Shanghai, China, April 2013
77. Z. Chen, P. Fan, and K. B. Letaief, "Revisiting two-way channel: Opportunistic network coding scheduling in fading channels," *IEEE Computing, Communications and IT Applications Conference (ComComAP'2013)*, Jan. 2013.
78. Yunquan Dong, Pingyi Fan, K. B. Letaief, and R. D. Murch, " ϵ -overflow rate: Buffer-aided information transmission over Nakagami-m fading channels," in *Proc. 8th International Wireless Communications and Mobile Computing Conference (IWCMC'2012)*, Limassol, Cyprus, Aug. 2012.
79. Fangyong Li, Jun Zhang, and K. B. Letaief, "Location-aware distributed routing in cognitive radio networks," *2012 IEEE International Conference on Communications in China (ICCC'2012)*, Beijing, China, Aug. 2012.
80. S. H. Song, Q. T. Zhang, and K. B. Letaief, "Selective water-filling for decode-and-forward cooperative systems," in *Proc. 13th IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC'2012)*, Çeşmem, Turkey, June 2012.
81. S. H. Song, X. Chen, and K. B. Letaief, "Achievable diversity gain of K-user interference channel," in *Proc. IEEE International Conference on Communications (ICC'2012)*, Ottawa, Canada, June 2012.
82. Ke Xiong, Pingyi Fan, and K. B. Letaief, "Resource allocation for minimal downlink delay in two-way OFDM relaying with network coding," in *Proc. IEEE International Conference on Communications (ICC'2012)*, Ottawa, Canada, June 2012.

83. Zhe Wang, Wei Zhang, and K. B. Letaief, "Relay assisted spectrum sharing in cognitive radio networks," in Proc. *IEEE International Conference on Communications (ICC'2012)*, Ottawa, Canada, June 2012.
84. Bo Bai, Wei Chen, K. B. Letaief, and Zhigang Cao, "Joint relay selection and subchannel allocation for amplify-and-forward OFDMA cooperative networks," in Proc. *IEEE International Conference on Communications (ICC'2012)*, Ottawa, Canada, June 2012.
85. Yi Shi, Xiaodai Dong, and K. B. Letaief, "Sum rate maximization in fading wireless networks using stochastic geometry," in Proc. *IEEE International Conference on Communications (ICC'2012)*, Ottawa, Canada, June 2012.
86. Yunquan Dong, Pingyi Fan, K. B. Letaief, and R. D. Murch, "Service matching over block Rayleigh fading channels: Buffer utilization via overflow probability," in Proc. *26th Biennial Symposium on Communications*, Kingstown, Ontario, Canada, May 2012.
87. Chang Li, S.H. Song, Jun Zhang, and K. B. Letaief, "Maximizing energy efficiency in wireless networks with a minimum average throughput requirement," in Proc. *IEEE Wireless Communications and Networking Conference (WCNC'2012)*, Paris, France, April 2012.
88. Xiang Chen, S.H. Song, and K. B. Letaief, "Interference alignment in MIMO interference relay channels," in Proc. *IEEE Wireless Communications and Networking Conference (WCNC'2012)*, Paris, France, April 2012.
89. L. Yang, S.H. Song, and K. B. Letaief, "Optimizing Spectrum Sensing Efficiency in Cognitive Radio Networks," in Proc. *IEEE Computing, Communications, and Applications Conference (ComComAp 2012)*, Hong Kong, Jan. 2012.
90. Zhi Chen, Pingyi Fan, K. B. Letaief "Cooperative Multi-Source-Multi-Destination Transmission System with Relay Selection" in Proc. *IEEE/ACM IWCMC '11*, Istanbul, Turkey, July 5-8, 2011.
91. S.H. Song and K. B. Letaief, "Achieving space diversity with non-coherent AF relaying," in Proc. *IEEE International Conference on Communications (ICC 2011)*, Kyoto, Japan, June 2011.
92. Ke Xiong, Pingyi Fan, and K. B. Letaief, "Energy detection based signal-time coding for AWGN relay networks," in Proc. *IEEE International Conference on Communications (ICC 2011)*, Kyoto, Japan, June 2011.
93. Qing Wang, Pingyi Fan, Dapeng Wu, and K. B. Letaief "End-to-end delay constrained routing and scheduling for wireless sensor networks," in Proc. *IEEE International Conference on Communications (ICC 2011)*, Kyoto, Japan, June 2011.
94. B. Bai, W. Chen, K. B. Letaief, and Z. Cao, "RBG matching based optimal relay selection and subchannel allocation," in Proc. *IEEE International Conference on Communications (ICC 2011)*, Kyoto, Japan, June 2011.
95. Pingyi Fan and K. B. Letaief "Understanding of transmission throughput and channel capacity in a systematic way," *IEEE Wireless and Optical Communications (WOCC 2011)*, April 15-16, 2011, Newark, NJ, USA (**Invited paper**).
96. G.L. Chen, S.H. Song and K. B. Letaief, "A low-complexity precoding scheme for PAPR reduction in SC-FDMA systems," in Proc. *IEEE Wireless Communications and Networking Conference (WCNC 2011)*, Cancun, Mexico, Mar. 28-31, 2011
97. K. Hamdi, X. N. Zeng, A. Ghayeb, and K. B. Letaief, "Impact of Noise Power Uncertainty on Cooperative Spectrum Sensing in Cognitive Radio Systems," in Proc. *IEEE Global Communications Conference (GLOBECOM'2010)*, Miami, Florida, USA, Dec. 2010 (**Best paper award**).
98. Zhi Chen, Pingyi Fan, Dapeng Wu, and K. B. Letaief, "Secrecy capacity with leakage constraints in fading channels," in Proc. *IEEE Global Communications Conference (GLOBECOM'2010)*, Miami, Florida, USA, Dec. 2010.
99. B. Bai, W. Chen, K. B. Letaief, and Z. Cao, "RBG matching: an innovative combinatorial approach for OFDMA resource allocation," in Proc. *IEEE/ACM IWCMC '10*, Caen, France, July 2010.
100. Qing Wang, Pingyi Fan, M. McKay, and K. B. Letaief, "On the Selection of Relays' Positions in Diamond Relay Networks" in Proc. *IEEE/ACM IWCMC '10*, Caen, France, July 2010 (**Best paper award**).
101. Y. Shi, R. K. Mallik, and K. B. Letaief, "Power control for relay-assisted wireless systems with general relaying," in Proc. *IEEE International Conference on Communications (ICC 2010)*, Cape Town, South Africa, May 23-27, 2010.
102. B. Bai, W. Chen, K. B. Letaief, and Z. Cao, "Finite-SNR diversity-multiplexing tradeoff for OFDM channels," in Proc. *IEEE International Conference on Communications (ICC 2010)*, Cape Town, South Africa, May 23-27, 2010.
103. C. H. Sun, W. Chen, and K. B. Letaief, "Fair and efficient channel allocation and spectrum sensing for cognitive OFDMA networks," in Proc. *IEEE International Conference on Communications (ICC 2010)*, Cape Town, South Africa, May 23-27, 2010.
104. G. Chen, Y. Zhu, and K. B. Letaief, "Combined MMSE-FDE and interference cancellation for uplink SC-FDMA with carrier frequency offsets," in Proc. *IEEE International Conference on Communications (ICC 2010)*, Cape Town, South Africa, May 23-27, 2010.
105. X. Chen, S. H. Song, and K. B. Letaief, "Transmit and Cooperative Beamforming in Multi-Relay Systems," in Proc. *IEEE International Conference on Communications (ICC 2010)*, Cape Town, South Africa, May 23-27, 2010.
106. H. Zhou, P. Fan, X.-G. Xia, and K. B. Letaief, "Achieving Network Wide Proportional Fairness: A Pricing Method", in Proc. *IEEE International Wireless Communications and Networking Conference (WCNC 2010)*, Sydney, Australia, Apr. 2010.
107. P. Fan and K. B. Letaief, "A signal-time coding approach to relay networks," in Proc. *International Conference on Mobile Ad-hoc and Sensor Networks (MSN)*, Dec. 14-16, 2009, pp. 412-419.
108. T. Taleb, Z. M. Fadlullah, M. Scholler, and K. B. Letaief, "A connection stability aware handoff management scheme," in Proc. *IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WIMOB 2009)*, Oct. 12-14, 2009, pp. 196-201.

109. Qiuyan Xia, Jian Pu, M. Hamdi, and K. B. Letaief, "Practical and efficient open-loop rate/link adaptation algorithm for high-speed IEEE 802.11n WLANs," in Proc. *IEEE Symposium on Computers and Communications (ISCC 2009)*, Jul. 5-8, 2009, pp. 661-666.
110. Shaolei Ren, and K. B. Letaief, "Minimum sum expected distortion in cooperative networks," in Proc. *IEEE International Conference on Communications (ICC 2009)*, Dresden, Germany, June 14-18, 2009. (**Received Best paper award**).
111. Chen Zhi, P. Fan, and K. B. Letaief, "On the multi-rate division with limited feedback for one source multiple destinations wireless transmission systems," in Proc. *IEEE International Conference on Communications (ICC 2009)*, Dresden, Germany, June 14-18, 2009.
112. Bo Bai, W. Chen, Z. Cao, and K. B. Letaief, "Optimal diversity-multiplexing tradeoff in OFDMA systems," in Proc. *IEEE International Conference on Communications (ICC 2009)*, Dresden, Germany, June 14-18, 2009.
113. Qing Wang, P. Fan, and K. B. Letaief, "On the Log-normal Fading Networks: Power Control and Spatial Reuse," in Proc. *IEEE International Conference on Communications (ICC 2009)*, Dresden, Germany, June 14-18, 2009.
114. Zhiyao Ma, K. B. Letaief, W. Chen, and Z. Cao, "A semi range-based iterative localization algorithm for cognitive radio networks," in Proc. *IEEE International Wireless Communications and Networking Conference (WCNC 2009)*, Budapest, Hungary, April 5-8, 2009.
115. K. Hamdi and K. B. Letaief, "Power, sensing time, and throughput tradeoffs in cognitive radio systems: A cross-layer approach," in Proc. *IEEE International Wireless Communications and Networking Conference (WCNC 2009)*, Budapest, Hungary, April 5-8, 2009.
116. C. Sun, W. Chen, and K. B. Letaief, "Joint scheduling and cooperative sensing in cognitive radios: A game theoretic approach," in Proc. *IEEE International Wireless Communications and Networking Conference (WCNC 2009)*, Budapest, Hungary, April 5-8, 2009.
117. Ernest Lo and K. B. Letaief, "Network coding versus superposition coding for two-way wireless communications," in Proc. *IEEE International Wireless Communications and Networking Conference (WCNC 2009)*, Budapest, Hungary, April 5-8, 2009.
118. S. Ren and K. B. Letaief, "Cooperative networks with limited feedback," in Proc. *IEEE Global Communications Conference (GLOBECOM 2008)*, New Orleans, LA, USA, Nov. 30-Dec. 4, 2008.
119. B. Bai, W. Chen, Z. Cao, and K. B. Letaief, "Achieving high frequency diversity with subcarrier allocation in OFDMA systems," in Proc. *IEEE Global Communications Conference (GLOBECOM 2008)*, New Orleans, LA, USA, Nov. 30-Dec. 4, 2008.
120. Y. Xu, W. Chen, Z. Cao, and K. B. Letaief, "A Distributed random access protocol with enhanced routing in time-slotted MANETs," in Proc. *IEEE Global Communications Conference (GLOBECOM 2008)*, New Orleans, LA, USA, Nov. 30-Dec. 4, 2008.
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