

# KYLE JAMIESON

## List of Publications

### Refereed Conference Publications

Mythili Vutukuru, Kyle Jamieson, Hari Balakrishnan. Harnessing Exposed Terminals in Wireless Networks. In Proceedings of the USENIX NSDI Conference (San Francisco, CA, 2008), forthcoming.

Kyle Jamieson, Hari Balakrishnan. PPR: Partial Packet Recovery for Wireless Networks. In Proceedings of the ACM SIGCOMM Conference (Kyoto, Japan, 2007), pp. 409–420.

C. Emre Koskal, Kyle Jamieson, Emre Telatar, Patrick Thiran. Impacts of Channel Variability on Link-Level Throughput in Wireless Networks. In Proceedings of the ACM SIGMETRICS Conference (Saint-Malo, France, 2006), pp. 51–62.

Bret Hull, Kyle Jamieson, Hari Balakrishnan. Mitigating Congestion in Wireless Sensor Networks. In Proceedings of the ACM SenSys Conference (Baltimore, MD, 2004), pp. 134–147.

Benjie Chen, Kyle Jamieson, Hari Balakrishnan, Robert Morris. Span: an Energy-Efficient Coordination Algorithm for Topology Maintenance in Ad Hoc Wireless Networks. In Proceedings of the ACM MobiCom Conference (Rome, Italy, 2001), pp. 85–96.

### Refereed Workshop Publications

Rodrigo Fonseca, Omprakash Gnawali, Kyle Jamieson, Phil Levis. Four-Bit Wireless Link Estimation. In Proceedings of the ACM-NSF HotNets Workshop (Atlanta, GA, 2007), forthcoming.

Kyle Jamieson, Hari Balakrishnan, Y. C. Tay. Sift: a MAC Protocol for Event-Driven Wireless Sensor Networks. In Proceedings of the Third European Workshop on Wireless Sensor Networks (EWSN) (Zurich, Switzerland, 2006), pp. 260–275.

Prem Gopalan, Kyle Jamieson, Panayiotis Mavrommatis, Massimiliano Poletto. Signature Metrics for Accurate and Automated Worm Detection. In Proceedings of the ACM Workshop on Recurring Malcode (WORM) (Fairfax, VA, 2006), pp. 65–72.

Kyle Jamieson, Bret Hull, Allen Miu, Hari Balakrishnan. Understanding the Real-World Performance of Carrier Sense. In Proceedings of the ACM SIGCOMM Workshop on Experimental Approaches to Wireless Network Design and Analysis (E-WIND) (Philadelphia, PA, 2005), pp. 52–57.

### Refereed Journal Publications

Y. C. Tay, Kyle Jamieson, Hari Balakrishnan. Collision-Minimizing CSMA and its Applications to Wireless Sensor Networks. IEEE Journal on Selected Areas in Communications (J-SAC) 22:6 (2004), 1048–1057.

Benjie Chen, Kyle Jamieson, Hari Balakrishnan, Robert Morris. Span: an Energy-Efficient Coordination Algorithm for Topology Maintenance in Ad Hoc Wireless Networks. ACM Wireless Networks 8:5 (2002), 481–494.

### Patents and patents pending

Application Serial No. 11-387,114 (2006): Exploit-based Worm Propagation Mitigation. Prem Gopalan, Kyle Jamieson, Panayiotis Mavrommatis; Mazu Corp.

Application Serial No. 11-387,087 (2006): Email-based Worm Propagation Properties. Prem Gopalan, Kyle Jamieson, Panayiotis Mavrommatis; Mazu Corp.

US Patent No. 7,016,827 (1999): Method and System for Ensuring Robustness in Natural Language Understanding. Ganesh Ramaswamy, Kyle Jamieson, Jan Kleindienst; International Business Machines Corp.