Qunfeng Dong

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Citizenship: China Visa status: F1

Education	◊ University of Wisconsin - Madison	
	Ph.D. in Computer Science	Date of Completion: 2007.05 Date of Graduation: 2007.08
	 University of Massachusetts - Amherst M.S. in Computer Science 	2005.02
	 University of Science and Technology of China (USTC), Hefei, Anhui M.S. in Computer Science B.S. in Computer Science 	i, China. 2001.12 1998.07
Research interests	\diamond Mobile and Wireless Networking	
	♦ Packet processing in routers/firewalls	
	♦ Network security	
	♦ Network measurement	
	♦ Network management	
Research internships	 Bell Laboratories, Lucent Technologies. Murray Hill, New Jersey, USA. NEC Laboratories America, Inc. Princeton, New Jersey, USA. 	Summer 2005 Spring 2005
Research	◊ AT&T Laboratories - Research	
PARTNERS	\diamond Bell Laboratories, Lucent Technologies	
	◊ Cisco Systems, Inc.	
	\diamond IBM Thomas J. Watson Research Center	
	◊ University of Cambridge	
Awards (in USA)	 NSF Student Travel Grant 14th IEEE International Conference on Network Protocols (IEEE ICNP 2006) 	3)
	◊ ACM SIGCOMM Student Travel Grant 2006 Annual Conference of ACM SIGCOMM (ACM SIGCOMM 2006)	2006.07
	ACM SIGMETRICS Student Travel Grant 2006 Annual Conference of ACM SIGMETRICS (ACM SIGMETRICS 2006)	2006.05
	 NSF Student Travel Grant 25th Annual Joint Conference of the IEEE Communication Society (IEEE IN 	2006.03 <i>VFOCOM 2006)</i>
	 IBM Ph.D. Fellowship Nominee University of Wisconsin - Madison 	2005.10
	 NSF Student Travel Grant 13th IEEE International Conference on Network Protocols (IEEE ICNP 2005) 	2005.10
	 Graduate School Travel Grant University of Massachusetts - Amherst 4th International Symposium on Information Processing in Sensor Networks 	2005.02 (IPSN 2005)

PUBLICATIONS	\$	 Practical Network Coding in Wireless Networks Qunfeng Dong, Jianming Wu, Wenjun Hu, Jon Crowcroft ACM MobiCom 2007 Short paper. Acceptance ratio: 18.9% (26+14 out of 233 submissions). Submitted as a regular paper. Review scores: 3-4-3. 			
	\$	 Wire Speed Packet Classification Without TCAM: A Few More Registers (And A Bit of Logic) Are Enough Qunfeng Dong, Suman Banerjee, Jia Wang, Dheeraj Agrawal ACM SIGMETRICS 2007 Regular paper. Acceptance ratio: 17.1% (29 out of 170 submissions). 			
	\$	 Load Balancing in Large Scale RFID Systems Qunfeng Dong, Ashutosh Shukla, Vivek Shrivastava, Dheeraj Agrawal, Suman Banerjee, Koushik Kar IEEE INFOCOM 2007 Minisymposium paper. Acceptance ratio: 25.0% (252+88 out of 1,400 submissions). Full version is under submission to Ad Hoc Networks (Elsevier) 			
	\$	 Wire Speed Packet Classification Without TCAM: One More Register (And A Bit of Logic) Is Enough Qunfeng Dong, Suman Banerjee, Jia Wang, Dheeraj Agrawal ACM SIGCOMM 2006 Poster. 			
	\$	 Packet Classifiers in Ternary CAMs Can Be Smaller Qunfeng Dong, Suman Banerjee, Jia Wang, Dheeraj Agrawal, Ashutosh Shukla ACM SIGMETRICS 2006 Regular paper. Acceptance ratio: 13.7% (30 out of 219 submissions). 			
	\$	 Throughput Optimization and Fair Bandwidth Allocation in Multi-Hop Wireless LANs Qunfeng Dong, Suman Banerjee, Benyuan Liu IEEE INFOCOM 2006 Regular paper. Acceptance ratio: 18.0% (252 out of 1,400 submissions). 			
	\$	 Efficient Probabilistic Packet Marking Qunfeng Dong, Micah Adler, Suman Banerjee, Kazu Hirata IEEE ICNP 2005 Regular paper. Acceptance ratio: 17.0% (36 out of 212 submissions). 			
	\$	 Minimum Energy Reliable Paths Using Unreliable Wireless Links Qunfeng Dong, Suman Banerjee, Micah Adler, Archan Misra ACM MobiHoc 2005 Regular paper. Acceptance ratio: 14.2% (40 out of 281 submissions). 			
	\$	 Maximizing System Lifetime in Wireless Sensor Networks Qunfeng Dong IPSN 2005 Regular paper. Acceptance ratio: 20.6% (44 out of 213 submissions). Full version is under submission to ACM Transactions on Sensor Networks (ToSN) 			
	\diamond	Apparatus and Algorithms for Wire Speed Packet Classification Through A Rule Cache and Rule Evolution U.S. Provisional Patent Application No. P07018US (From SIGMETRICS 2007 paper)			
	\diamond	Algorithms for Reducing the Size of Packet Classifiers in Classification Devices U.S. Provisional Patent Application No. P06413US (From SIGMETRICS 2006 paper)			
Invited talks	\diamond	Department of Computer Sciences, University of Texas - Austin Title: Practical network coding in wireless networks			

EXPERIENCE	· University of Wisconsin - Madison	
	- CS 838: Mobile and Wireless Networking	Fall 2006
	◊ Teaching Assistant	
	· University of Massachusetts - Amherst	
	– CS 611: Advanced Algorithms	Fall 2003
	- CS 611: Advanced Algorithms	Fall 2002
	\cdot University of Science and Technology of China (USTC)	
	- Assembly Language Programming	Spring 1999
	– One-Variable Calculus	Fall 1998
Academic	◊ Reviewer	
SERVICES	· Conference	
	– IEEE Infocom 2007	
	– IEEE Infocom 2006	
	– IEEE Globecom 2006	
	– ACM DIAL-M 2005	

- IEEE VTC 2005 Fall
- \cdot Journal
 - ACM SIGCOMM Computer Communication Review (CCR)
 - IEEE Transactions on Communications
 - Computer Networks Journal

$\diamond \ \mathbf{Referree}$

- \cdot Conference
 - ACM MobiCom 2006
 - ACM MobiHoc 2006
 - IEEE SECON 2005
 - ACM SPAA 2003
- \cdot Journal
 - ACM Transactions on Sensor Networks

$\mathrm{Membership} \diamond \mathbf{ACM}$

- $\diamond \,\, \mathbf{IEEE}$
- \diamond IEEE Communications Society
- REFERENCES Available upon request.