

Curriculum Vitae – Yingxin Jiang

I. Personal Data

Dept. of Computer Science and Engineering
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II. Research Interests

- QoS
- Multicast
- Grid Computing
- Scheduling

III. Education

- Ph.D., Computer Science, University of Notre Dame, Current
Major Professor: Dr. Aaron D. Striegel
- M.S., Computer Science, Jilin University, China, July 2002
Major Professor: Dr. Jigui Sun
- B.S., Computer Science, Jilin University, China, July 1999

IV. Academic Experience

- Graduate Student, University of Notre Dame: 2004 – present
Department of Computer Science and Engineering
- Teaching Assistant, Jilin University, China: Fall 2000 Programming in Pascal
- Graduate Student, Jilin University, China, 1999 – 2002

V. Honors and Awards

1995 – 1999 Scholarship for Outstanding Undergraduates, Jilin University

VI. Publications

Yingxin Jiang, Aaron Striegel, "Fast Admission Control for Short TCP Flows", in Proc. of *IEEE Global Communications Conference (GLOBECOM)*, November 2009

Yingxin Jiang, Aaron Striegel, "End-wise Admission Control Delegation for Effective End-To-End Quality of Service", in Proc. of *the 17th IEEE International Workshop on Quality of Service (IWQoS)*, July 2009

Yingxin Jiang, Aaron Striegel, "An Exploration of the Effects of State Granularity through (m, k) Real-Time Streams", *IEEE Transactions on Computers*, vol. 58, no. 6, pp. 784-798, June 2009

Chad D. Mano, Andrew Blaich, Qi Liao, Yingxin Jiang, David A. Cieslak, David C. Salyers, Aaron Striegel, "RIPPS: Rogue Identifying Packet Payload Slicer Detecting Unauthorized Wireless Hosts Through Network Traffic Conditioning", *ACM Transactions on Information and System Security (TISSEC)*, vol. 11, no. 2, pp. 1-23, March 2008

David Salyers, Yingxin Jiang, Aaron Striegel, Christian Poellabauer, "JumboGen: Dynamic Jumbo Frame Generation for Network Performance Scalability", *ACM SIGCOMM Computer Communications Review (CCR)*, Volume 37, Issue 5, pp. 53-64, October 2007

Justin Wozniak, Yingxin Jiang, Aaron Striegel, "Effects of Low-Quality Computation Time Estimates in Policed Schedulers", in Proc. of *40th Annual Simulation Symposium (ANSS)*, pp. 283-292, 2007

Yingxin Jiang and Aaron Striegel, "Granularity Aware (m,k) Queue Management for Real-time Media Servers", in Proc. of *the 12th IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS 2006)*, San Jose, CA, April 2006

Yingxin Jiang and Aaron Striegel, "A Distributed Traffic Control Scheme Based on Edge-centric Resource Management", *ACM SIGCOMM Computer Communication Review*, Volume 36, Issue 2, pp. 5-16, April 2006

Yingxin Jiang, Jigui Sun, "Constraint Satisfaction Problem Solving and ILOG SOLVER Introduction", *Natural Science Journal of Jilin University*, 2001

VII. Posters and Technical reports

Yingxin Jiang, Xiaolong Li, and Aaron Striegel, "Experimental Studies of Granularity Aware (m,k) Scheduling for Real-time Media Servers", *ND CSE Technical Report TR-2008-01*, February 2008

A. Striegel, D. Salyers, D. Moore, Y. Jiang, A. Blaich, "Improving Medium-Sized Media Clip Distribution Through Transparent Tail Synchronization", poster at *IEEE BroadNets*, Raleigh, NC, Sept. 2007

VIII. Other Activities/Service

- Reviewer: ICC 2005, NETWORKING 2007, ICCCN 2008