Jeff Jenness

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Current Position

Position Title:

Current Academic Rank: Associate Professor

Rank Since: Fall 1996

Degrees

Ph D	Computer Science: , Missouri University of Science and Technology, Rolla, Missouri, USA 1993 Dissertation: The Difficulty of Approximating the Chromatic Number for Random Composite Graphs
MS	Applied Mathematics: , Missouri University of Science and Technology, Rolla, Missouri, USA 1988
BS	Mathematics: , Missouri Southern State University, Joplin, Missouri, USA 1986

Scholarly Contributions and Creative Productions

Grants

Jiang, H., & Jenness, J. (2008). Faculty Research Fund: A Framework of State-Carry Computing for Scientific Applications. Arkansas State University - 4400.

Jiang, H., & Jenness, J. (2007). Faculty Research Fund: Adaptive Data Sharing in High Performance Scientific Computing. Arkansas State University - 3500.

Presentations

Jenness, J., Huang, X., & Ashby, C. (2008). A Relational Approach for Pathway Analysis. Symposium of Computation in Bioinformatics and Biosciences 2008.

Jenness, J. (2008). Personal Perspectives and Experiences on Teaching. Teachers Workshop.

Proceedings Publications

Shen, F., Jiang, H., & Jenness, J. (2010). A Reliable File Management System based on Scaled Secret Sharing. Proceedings of the 2010 International Conference on Parallel and Distributed Processing Techniques and Applications,

Mei, C., Jiang, H., & Jenness, J. (2010). CUDA-based AES Parallelization with Fine-Tuned GPU Memory Utilization. 11th IEEE International Workshop on Parallel and Distributed Scientific and Engineering Computing,

Mei, C., Jiang, H., & Jenness, J. (2010). Pitcher: Enabling Distributed Parallel Computing with Automatic Thread and Data Assignments. 24th IEEE International Conference on Advanced Information Networking and Application,

Mei, C., Jiang, H., & Jenness, J. (2009). Markov Clustering (MCL)- based Thread Grouping and Thread Selection. Proceedings of IEEE SoutheastCon,

Mei, C., Li, R., Jiang, H., & Jenness, J. (2009). MCD: Mesh Closure Detection for Localized Load Balancing in Scientific Applications. The 12th IEEE International Conference on Computational Science and Engineering,

Mei, C., Jiang, H., & Jenness, J. (2009). MM-DSM: Multi-threaded Multi-home Distributed Shared Memory Systems. The 2009 IEEE International Symposium on Parallel and Distributed Processing with Applications,

Mei, C., Jiang, H., & Jenness, J. (2009). MTS: Multiresolution Thread Selection for Parallel Workload Distribution. Proceedings of The 4th International Conference on Grid and Pervasive Computing,

Mei, C., Jiang, H., & Jenness, J. (2009). Thread Clustering and Selection Schemes for Medium-Grained Computation Migration. Proceedings of The Tenth International Conference on Software Engineering, Artificial Intelligence, Networking, and parallel/Distributed Computing,

Mei, C., Jiang, H., & Jenness, J. (2009). Towards Locality-Based Data Sharing Among Distributed Thread Bundles. The 2009 International Conference on Parallel and Distributed Processing Techniques and Applications,

Li, R., Jiang, H., Su, H., Zhang, B., & Jenness, J. (2008). Adaptive and Fault Tolerant Simulation of Relativistic Particle Transport with Data-level Checkpointing. Proceedings of 2008 IEEE 11th International Conference on Computational Science and Engineering,

Ashby, C., Huang, X., Jenness, J., & Kerby, J. (2008). A relational approach for pathway analysis. IEEE Computer Society, 6.

Li, R., Jiang, H., Su, H., Zhang, B., & Jenness, J. (2008). Coordination Schemes in Distributed Simulation of Relativistic Particle Transport. Proceedings of the 23rd ACM Symposium on Applied Computing 2008, Special Track on Advances in Computer Simulation,

Li, R., Jiang, H., Su, H., Zhang, B., & Jenness, J. (2008). On Load Balancing Distributed Simulation of Relativistic Particle Transport. Proceedings of PDPTA'08 - The 2008 International Conference on Parallel and Distributed Processing Techniques and Applications,

Li, R., Jiang, H., Su, H., Zhang, B., & Jenness, J. (2008). Parallel and Distributed Particle Collision Simulation with Decentralized Control. Proceedings of GPC 2008, the 3rd International Conference on Grid and Pervasive Computing (Lecture Notes in Computer Science), 5036/2008, 244-255.

Li, R., Jiang, H., Su, H., Zhang, B., & Jenness, J. (2007). Speculative and distributed simulation of many-particle collisions systems. Proceedings of ICPADS 2007, the 13th international conference on parallel and distributed systems,

Li, R., Jiang, H., Su, H., Jenness, J., & Zhang, B. (2007). Speculative Parallelization of Many-Particle Collision Simulations. Proceedings of PDPTA'07- The 2007 International Conference on Parallel and Distributed Processing Techniques and Applications,

Other Institutional Service

(Committee Member) BEST Robotics (University) Summer 2012

(Committee Member) General Education (University) Spring 2010 - Summer 2012

(Committee Member) ASU Website Committee (University) Spring 2008 - Summer 2009

Professional Service

Committee Member, 2008 ALAR Conference Fall 2007 - Spring 2008

Honors and Awards

Visiting Professor, Shandong University of Finance 2008

Teaching

Fall 2006 Courses:

CS 1913 1 - MAKING CONNECTIONS

CS 4523 2 - HNRS SOFTWARE ENGINEERING I

Spring 2007 Courses:

CS 4533 2 - HNRS SOFTWARE ENGINEERING II

CS 454V 1 - INTERNSHIP

Summer 2007 Courses:

CS 680V 1 - INDEPENDENT STUDY

CS 689V 1 - THESIS

CS 689V 2 - THESIS

Fall 2007 Courses:

CS 457V 1 - SP PROB GAME PROGRAMMING

CS 5523 1 - SOFTWARE ENGINEERING I

CS 689V 1 - THESIS

CS 689V 2 - THESIS

Spring 2008 Courses:

CS 4533 1 - SOFTWARE ENGINEERING II
CS 457V 1 - SP PROB GAME PROGRAMMING
CS 5793 1 - COMPILERS
CS 680V 1 - INDST ADVANCED COMPILERS
CS 6853 2 - SPECIAL TOPICS
CS 689V 1 - THESIS PARAMETERIZED COMPUTAT
CS 689V 2 - THESIS

Fall 2008 Courses:

CS 5113 1 - SOFTWARE ENGINEERING I
MATH 1093 001 - Making Connections Mathematics

Spring 2009 Courses:

CS 5123 1 - SOFTWARE ENGINEERING II
CS 689V 2 - THESIS

Summer 2009 Courses:

CS 6693 1 - SEMINAR
CS 680V 2 - IND STY CLUSTERING ALGORITHMS
CS 689V 2 - THESIS ADVANCED COMPILERS

Fall 2009 Courses:

CS 1114 001 - Concepts of Programming
CS 5113 1 - SOFTWARE ENGINEERING I

Spring 2010 Courses:

CS 5133 1 - COMPILERS
CS 688V 1 - IND STY GAME ENGINE ARCHITECTU

Summer 2010 Courses:

CS 483V 001 - Internship
CS 483V 1 - INTERNSHIP

Fall 2010 Courses:

CS 482V 001 - MOBILE DEVICE APPLICATIONS
CS 482V 002 - MOBILE DEVICE APPLICATIONS
CS 5823 1 - SCRIPTING LANGUAGES
CS 688V 1 - INDEPENDENT STUDY
CS 688V 2 - INDEPENDENT STUDY

Spring 2011 Courses:

CS 3123 001 - Programming Languages
CS 4143 001 - Java Application Development

Fall 2011 Courses:

CS 5133 1 - COMPILERS
CS 5723 1 - AUTOMATA THEORY

Spring 2012 Courses:

CS 3123 001 - Programming Languages
CS 4143 001 - Java Application Development

Summer 2012 Courses:

CS 689V 1 - THESIS DOM LANG FOR ROBOT PROG

Fall 2012 Courses:

CS 4133 001 - COMPILERS
CS 4223 001 - UNIX SYSTEMS PROGRAMMING
CS 5133 001 - COMPILERS
CS 5133 002 - COMPILERS
CS 5223 001 - UNIX SYSTEMS PROGRAMMING
CS 5223 002 - UNIX SYSTEMS PROGRAMMING
CS 689V 001 - THESIS DOM LANG FOR ROBOT PROG