

Zhen Jiang

Professional Preparation

- Florida Atlantic University, Computer Engineering, Ph.D. & 2002.
- Nanjing University (Nanjing, China), Computer Science, MS & 1998.
- Shanghai Jiaotong University (Shanghai, China), Computer Engineering, BS & 1992.

Appointments

- Associate Professor, Department of Computer Science, West Chester University of PA, Aug. 2002 – present.

Five Publications Most Related to this Proposal

- Z. Jiang and J. Ma and W. Lou and J. Wu, “An Information Model for Geographic Greedy Forwarding in Wireless Ad-Hoc Sensor Networks,” *IEEE INFOCOM’08*, 2008, 825-833.
- Z. Jiang and J. Wu and R. Kline and J. Krantz, “Mobility Control for Complete Coverage in Wireless Sensor Networks,” *Proc. of the WWASN’08 - ICDCS Workshop*, 2008, CD-ROM.
- Z. Jiang and J. Wu and D. Wang, “A New Fault-Information Model for Adaptive and Minimal Routing in 3-D Meshes,” *IEEE Transactions on Reliability*, 57, (1), 2008, 149-162.
- Z. Jiang and R. Kline and J. Wu and F. Dai, “A Practical Method to Form Energy Efficient Connected K-Coverage in Wireless Sensor Networks,” *Proc. of the WWASN’06 - ICDCS Workshop*, 2006, 81-86.
- Z. Jiang and J. Wu, “Fault-Tolerant Broadcasting in 2-D Wormhole-Routed Meshes,” *Journal of Supercomputing*, 25, (3), 2003, 255-275.

Five Other Significant Publications

- Z. Jiang and J. Wu, “A Limited-Global Information Model for Fault-Tolerant Routing in Dual-Cube,” *International Journal of Parallel, Emergent and Distributed Systems*, 21, (1), 2006, 61-77.
- Z. Jiang and J. Wu and R. Kline, “Localized Mobility Control with Inconsistent Views of Neighborhood in Mobile Networks,” *Proc. of IEEE International Workshop on Networking, Architecture and Storage (NAS’06)*, 2006, 9-14.
- J. Wu and Z. Jiang, “On Constructing the Minimum Orthogonal Convex Polygon in 2-D Faulty Meshes,” *IEEE Transactions on Reliability*, 56, (3), 2005, 449-458.
- J. Wu and Z. Jiang, “Extended Minimal Routing in 2-D Meshes with Faulty Blocks,” *International Journal of High Performance Computing and Networking*, 1, (1), 2004, 140-152.
- Z. Jiang and J. Wu, “A Limited-Global Information Model for Dynamic Fault-Tolerant Routing in Cube-Based Multicomputers,” *Proc. of the 2nd IEEE International Symposium on Network Computing and Applications (NCA’03)*, 2003, 333-340.

Synergistic Activities

- “Computer Science Summer Training for Gifted Middle School Students”, supported by Summer Academy for Gifted Children Committee at West Chester University, 2006-present.
- Serve on the ITM Department’s External Program Review Team for Delaware Valley College, Pennsylvania, 2005.
- Local arrangement chair for the 4th Annual International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous’07), August 6-10, 2007.

Workshop Chair of WSNS’06, WSNS’07, and WSNS’08.

- Program Chair (or vice chair) of WiSP’08, MSN’06, WSNS’05, and CS&I’03.

Program committee member of HPCC’08, InfoScale’08, SECUIQ’07, HPCC’07, SENSORCOMM’07, DASC’06, HPCC’06, PCAC’06, SECUBIQ’05, MSN’05, ICWN’05, SNS’05, PCAC’05, AHSP’05.

- Tutor for conference tutorial at ISPA’05.

Collaborators and Other Affiliations

- **Recent collaborators:** Afrand Agah (West Chester University), Robert Kline (West Chester University), Bin Lu (West Chester University), Yi Pan (Georgia State University), Dajin Wang (Stevens Institute of Technology), Jie Wu (Florida Atlantic University & National Science of Foundation).
- **Graduate Advisor:** Jie Wu (Florida Atlantic University & National Science of Foundation).

Other Personnel

- **Students (research assistants):** Dilip Kothamasu (2005), Xiang Gao (2006), Muddana Roopa (2007), Akasapu Girish (2007), Jennifer Krantz (2008).