

Aobing Sun

Ph.D Candidate.

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Research Interests

- Grid Computing and Distributed Systems
- Medical Image Processing
- Automatic Digital Control Technology and Embedded System
- Data Modeling and Artificial Neural Net (ANN)

Education

- September 2005 – Present, School of Computer Science and Technology, Huazhong University of Science and Technology, Ph.D Candidate.
- September 2002 – July 2005, School of Electronic Information Engineer, Henan University of Science and Technology, Master Degree.
- September 1996 – July 2000, Department of Computer Science, Henan Normal University, Bachelor Degree.

Publication

- Hai Jin, Aobing Sun, Ran Zheng, Ruhan He, Qin Zhang, "Content and Semantic Context Based Image Retrieval for Medical Image Grid", Accepted by Grid 2007.
- Aobing Sun, Hai Jin, Ran Zheng, Qin Zhang, "The Grid Information Integration Scheme based on Virtual Client Access Mode", Accepted by ChinaGrid 2007.
- Hai Jin, Aobing Sun, Ran Zheng, Ruhan He, Qin Zhang, Song Wu, "Semantic Based Information Integration Scheme for Medical ImageGrid", Journal of Software, Vol.18, NO.8, August 2007, pp.2049-2062.
- Aobing Sun, Hai Jin, Ran Zheng, Ruhan He, Qin Zhang, Wei Guo, "UCIPE: Ubiquitous Context-based Image Processing Engine for Medical Image Grid", Ubiquitous Intelligence and Computing - Lecture Notes in Computer Science, Vol.4611, Springer-Verlag, July 2007, pp. 888-897.
- Hai Jin, Aobing Sun, Ran Zheng, Ruhan He, Qin Zhang, "Ontology-based Semantic Integration Scheme for Medical Image Grid", Proceedings of CCGrid 2007, IEEE Computer Society, May 2007, Rio de Janeiro, Brazil, pp. 127-134.

- Hai Jin, Aobing Sun, Qin Zhang, Ran Zheng, and Ruhan He, "MIGP: Medical Image Grid Platform Based on HL7 Grid Middleware", Advances in Information Systems - Lecture Notes in Computer Science, Vol.4243, Springer-Verlag, October 2006, pp.254-263.
- Aobing Sun, Hai Jin, Ran Zheng, Qin Zhang, Ruhan He, "Metadata Management of Medical Image Grid Platform", Proceedings of SCIS&ISIS 2006, Fuji Technology Press, September 2006, Tokyo Japan , pp 2098-2100.

Project

- China Next Generation Internet (CNGI) Project: Large-scale High-performance Application Based on IPv6 Network - Image Processing Grid (NO. CNGI-04-15-7A)
- National High Technology Research and Development Program of China: Digital Decision-making Support System Based on Grid Platform (No. 2006AA02Z347)
- National High Technology Research and Development Program of China: Wuhan High-performance Grid Node Construction for Medical Image Processing (No. 2006AA01A115)

Honors and Awards

- The 2006 Annual Honor of Outstanding Paper Scholarship for Graduate, Huazhong University of Science and Technology. (For top 3%)
- The 2005 Annual Honor of Excellent Graduate, Huazhong University of Science and Technology. (For top 3%)

Patent

- Medical Information Integration Systems Based on HL7 Agent Server
- Distributed Image Retrieval System Based on Grid Platform

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- Medical Image Grid Platform Software (MedImGrid v1.0)