

Assistant Professor

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## RESEARCH INTERESTS

### **Information Technology, Artificial Intelligence, Data Mining, and Biomedical Informatics**

Ontology Matching/Alignment, Ontology Development, Ontology Quality

Semantic Web and Web Services

Semantics-Enhanced Data Mining

Biological and Biomedical Informatics

Distributed Heterogeneous Information Management

## EDUCATION

Ph.D., Computer Science, University of South Carolina 2007

**Dissertation:** *Towards Mutual Understanding: Rule-Based and Learning-Based Matching Algorithms for Ontologies*

Master of Engineering, Computer Science, University of South Carolina 2004

Bachelor of Engineering, Computer and Application, Fuzhou University 2001

## WORK EXPERIENCE

Assistant Professor, University of South Alabama (June 2009 – Present)

Adjunct Professor, Dali University, China (August 2008 – Present)

Adjunct Professor, Shandong Yingcai University, China (July 2008 – Present)

Assistant Professor, Benedict College (August 2007 – May 2009)

Research Specialist III, Medical University of South Carolina (June 2007 – August 2007)

Research Assistant, University of South Carolina (January 2002 – May 2007)

## PUBLICATIONS

### **Books**

43. **J. Huang**, G. Borchert, D. Dou, J. Huan, and M. Tan, editors, *Bioinformatics in microRNA research: computational methods in exploring microRNAs' functions*, (in-progress) Springer series of Methods in Molecular Biology, 2014.

42. **J. Huang**, *Towards Mutual Understanding Among Ontologies: Rule-Based and Learning-Based Matching Algorithms for Ontologies*, VDM, 2008 (ISBN: 978-3-639-11556-7).

41. **J. Huang**, R. Kowalczyk, Z. Maamar, D. Martin, I. Müller, S. Stoutenburg, and K.P. Sycara, editors, *Service-Oriented Computing: Agents, Semantics, and Engineering*, Springer-Verlag, vol. LNCS 4504, Berlin, 2007.

### Journal Papers

40. **J. Huang**, J. Dang, G.M. Borchert, H. Zhang, M. Xiong, W.T. Gerthoffer, K. Eilbeck, J.A. Blake, and M. Tan, "OMIT: A Dynamic microRNA Domain Ontology for Microgenomics Knowledge Discovery, Unification, and Bio-Curation," (under review) *PLoS One*, 2013.
39. F. Sheldon, D. Fetzer, D. Manz, **J. Huang**, T. Morris, J. Kirsch, D. Wei, J. Dang, S. Goose, and Robert Abercrombie, "Intrinsically Resilient Energy Control Systems: Cybersecurity Challenges for Critical Public Infrastructure," (under review) *IEEE Journal of Computer, Special Issue on Cybersecurity*, 2013.
38. M. Zhu, W. Wang, B. Liu, and **J. Huang**, "Efficient Video Panoramic Image Stitching based on an Improved Selection of Harris Corners and a Multiple-Constraint Corner Matching," *PLoS One*, , 8(12): 1-15, Dec. 2013.
37. M. Zhu, H. Zhan, and **J. Huang**, "Improved Prototype Selection in Synergetic Pattern Recognition to Recognize Human Face Expressions," *Journal of Algorithms and Computational Technology*, 7(4): 541-552, Multi Science Publishing, Dec. 2013.
36. M. Zhu, W. Wang, B. Liu, and **J. Huang**, "A Fast Image Stitching Algorithm via Multiple-Constraint Corner Matching," *Mathematical Problems in Engineering*, Volume 2013 (2013), Article ID 157847, pp. 1-6, Sept. 2013.
35. M. Zhu, W. Wang, and **J. Huang**, "Improved Initial Cluster Center Selection in K-Means Clustering," (accepted and in press) *Engineering Computations*, Mar. 2013.
34. **J. Huang**, D. Dou, J. Dang, J.H. Pardue, X. Qin, J. Huan, W.T. Gerthoffer, and M. Tan, "Knowledge Acquisition, Semantic Text Mining, and Security Risks in Health and Biomedical Informatics," *World Journal of Biological Chemistry*, 3(2): 27-33, Baishideng, Feb. 2012 (doi: 10.4331/wjbc.v3.i2.27).
33. **J. Huang**, C. Townsend, D. Dou, H. Liu, and M. Tan, "OMIT: A Domain-Specific Knowledge Base for MicroRNA Target Prediction," *Pharmaceutical Research*, (**impact factor: 4.74**), Springer, 28(12): 3101-3104, Dec. 2011, published online Aug. 2011 (doi:10.1007/s11095-011-0573-8).
32. **J. Huang**, L. He, and G.V. Davidson-Shivers, "Educational Assessment via a Web-Based Intelligent System," *US-China Education Review*, 8(5): 666-674, May 2011.
31. **J. Huang**, J. Dang, M.N. Huhns, and W.J. Zheng, "Use Artificial Neural Network to Align

Biological Ontologies,” *BMC Genomics* 2008, 9 (Suppl 2): S16 (**impact factor: 3.93**).

30. **J. Huang**, J. Dang, and M.N. Huhns, “Ontology Alignment as a Basis for Mobile Service Integration and Invocation,” *International Journal of Pervasive Computing and Communications*, 3(2): 138-158, Emerald, 2007 (**acceptance rate < 17%**).

### **Book Chapters**

29. **J. Huang** and J. Dang, “Context-Sensitive Ontology Matching in Electronic Business,” *Electronic Business Interoperability: Concepts, Opportunities, and Challenges*. Ejub Kajan, editor, IGI Global, 2010, pp. 279-301.
28. **J. Huang**, J. Dang, and M.N. Huhns, “Ontology-Based Partner Selection in Business Interaction,” *Handbook of Ontologies for Business Interaction*. Peter Rittgen, editor, IGI Global, 2007, pp. 364-380.
27. **J. Huang**, R. Zavala, B. Mendoza, and M.N. Huhns, “Reconciling Agent Ontologies for Web Service Applications,” *Multiagent System Technologies: Third German Conference (MATES-05)*. Torsten Eymann, Franziska Klügl, Winfried Lamersdorf, Matthias Klusch, and Michael N. Huhns, editors, Springer Verlag, Vol. LNAI 3550, Berlin, 2005, pp. 106-117.

### **Conference and Workshop Papers**

26. **J. Huang**, J. Dang, X. Lu, M. Xiong, W.T. Gerthoffer, and M. Tan, “Semi-Automated microRNA Ontology Development based on Artificial Neural Networks,” *Proc. 2013 IEEE International Conference on Bioinformatics and Biomedicine (BIBM-13)*, pp. 526-529, IEEE, Shanghai, China, Dec. 2013.
25. **J. Huang**, J. Huan, A. Tropsha, J. Dang, M. Xiong, and W. Jiang, “Semantics-Driven Frequent Data Pattern Mining on Electronic Health Records for Effective Adverse Drug Event Monitoring,” *Proc. 2013 IEEE International Conference on Bioinformatics and Biomedicine (BIBM-13)*, pp. 608-511, IEEE, Shanghai, China, Dec. 2013.
24. F. Sheldon, **J. Huang**, J. Dang, D. Fetzer, S. Goose, J. Kirsch, D. Manz, T. Morris, and D. Wei, “Intrinsically Resilient Energy Control Systems,” *Proc. 8<sup>th</sup> Annual Cyber Security and Information Intelligence Research Workshop (CSIIRW-12)*, Oak Ridge, TN, Jan. 2013.
23. **J. Huang**, J. Dang, X. Lu, D. Dou, J.A. Blake, W.T. Gerthoffer, and M. Tan, “An Ontology-Based MicroRNA Knowledge Sharing and Acquisition Framework,” *Proc. 2012 BHI Workshop at IEEE International Conference on Bioinformatics and Biomedicine (BIBM-12)*, pp. 16-23, IEEE Computer Society Press, Philadelphia, PA, Oct. 2012.
22. F. Sheldon, **J. Huang**, J. Dang, D. Fetzer, D. Manz, T. Morris, D. Wei, J. Kirsch, and S. Goose, “Using Semantic Web Technologies to Develop Intrinsically Resilient Energy Control Systems,” *Proc. 7<sup>th</sup> International Conference on Semantic Technologies for*

*Intelligence, Defense, and Security (STIDS-12)*, Fairfax, VA, Oct. 2012.

21. C. Townsend, **J. Huang**, D. Dou, H. Liu, L. He, P.J. Hayes, R. Rudnick, H. Shah, D. Fell, and W. Liu, "NeuMORE: Ontology in Stroke Recovery," *Proc. IEEE International Conference on Bioinformatics & Biomedicine (BIBM-10)*, Hong Kong, China, Dec. 2010.
20. C. Townsend, **J. Huang**, D. Dou, H. Liu, L. He, P.J. Hayes, R. Rudnick, H. Shah, D. Fell, and W. Liu, "Ontology-Based Knowledge Acquisition for Neuromotor Functional Recovery in Stroke," *Proc. KEDDH Workshop at IEEE International Conference on Bioinformatics & Biomedicine (BIBM-10)*, Hong Kong, China, Dec. 2010.
19. C. Townsend, **J. Huang**, D. Dou, S. Dalvi, P.J. Hayes, L. He, W. Lin, H. Liu, R. Rudnick, H. Shah, H. Sun, X. Wang, and M. Tan, "OMIT: Domain Ontology and Knowledge Acquisition in MicroRNA Target Prediction," *Proc. 9th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE-10)*, pp. 1162-1169, Springer-Verlag, Crete, Greece, Oct. 2010.
18. **J. Huang**, M. Tan, D. Dou, L. He, C. Townsend, R. Rudnick, and P. Hayes, "MiRNA Ontology for Target Prediction in Human Cancer," *Proc. 1<sup>st</sup> ACM International Conference on Bioinformatics and Computational Biology (BCB-10)*, pp. 472-474, ACM Press, Niagara Falls, NY, Aug. 2010 (doi: 10.1145/1854776.1854861).
17. **J. Huang**, D. Dou, L. He, J. Dang, and P. Hayes, "Ontology-Based Knowledge Discovery and Sharing in Bioinformatics and Medical Informatics: A Brief Survey," *Proc. 7<sup>th</sup> International Conference on Fuzzy Systems and Knowledge Discovery (FSKD-10)*, Yantai, China, Aug. 2010.
16. **J. Huang**, A. Yasinsac, and P. Hayes, "Knowledge Sharing and Reuse in Digital Forensics," *Proc. 4<sup>th</sup> International IEEE Workshop on Systematic Approaches to Digital Forensic Engineering (SADFE-10)*, Oakland, CA, May 2010.
15. **J. Huang**, L. He, and G.V. Davidson-Shivers, "IWAS: Intelligent Web-Based Assessment System," *Proc. Society for Information Technology & Teacher Education (SITE-10)*, San Diego, CA, Mar. 2010.
14. J. Dang, **J. Huang**, and M.N. Huhns, "Workflow Coordination for Service-Oriented Multiagent Systems," *Proc. 6<sup>th</sup> International Conference on Autonomous Agents and Multiagent Systems (AAMAS-07)*, Honolulu, Hawaii, May 2007.
13. **J. Huang**, J. Dang, J.M. Vidal, and M.N. Huhns, "Ontology Matching Using an Artificial Neural Network to Learn Weights," *Proc. SWeCKa Workshop at International Joint Conferences on Artificial Intelligence (IJCAI-07)*, pp. 80-85, Hyderabad, India, Jan. 2007.
12. **J. Huang** and M.N. Huhns, "Superconcept Formation System-An Ontology Matching Algorithm for Web Applications," *Supplemental Proc. 5th International Semantic Web Conference (ISWC-06)*, Athens, GA, Nov. 2006.

11. **J. Huang**, J. Dang, and M.N. Huhns, "Ontology Reconciliation for Service-Oriented Computing," *Proc. 2006 IEEE International Conference on Services Computing (SCC-06)*, pp. 3-10, Chicago, IL, Sept. 2006 (**2<sup>nd</sup> Place for Best Student Paper Award**).
10. **J. Huang** and M.N. Huhns, "An Ontology Matching Algorithm for Service Discovery," *Proc. Service Discovery on the WWW Workshop at 1<sup>st</sup> Asian Semantic Web Conference (ASWC-06)*, Beijing, China, Sept. 2006.
9. **J. Huang**, J. Dang, and M.N. Huhns, "Reconciling Ontologies for Coordination among E-business Agents," *Proc. BAsEWEB Workshop at International Conference on Autonomous Agents and Multiagent Systems (AAMAS-06)*, pp. 62-69, Hakodate, Japan, May 2006.
8. **J. Huang**, J. Dang, and M.N. Huhns, "Ontology Reconciliation in E-business Domain," presented in *International Student Workshop on Agents (ISWA-06)*, Kyoto, Japan, May 2006.
7. **J. Huang**, R. Zavala, B. Mendoza, and M.N. Huhns, "A Schema-based Approach Combined with Inter-Ontology Reasoning to Construct Consensus Ontologies," *Proc. C&O Workshop at National Conference on Artificial Intelligence (AAAI-05)*, pp. 80-87, Pittsburgh, PA, July 2005.
6. **J. Huang**, R. Zavala, B. Mendoza, and M.N. Huhns, "Sharing Ontology Schema Information for Web Service Integration," *Proc. 5th International Conference on Computer and Information Technology (CIT-05)*, pp. 1056-1062, Shanghai, China, Sept. 2005.
5. M.G. Valtorta, **J. Huang**, et al., "Extending Heuer's Analysis of Competing Hypotheses Method to Support Complex Decision Analysis," *Proc. 2005 International Conference on Intelligence Analysis Methods and Tools (IA-05)*, Washington D.C., May 2005.
4. J. Cheng, **J. Huang**, et al., "OmniSeer: A Cognitive Framework for User Modeling, Reuse of Prior and Tacit Knowledge, and Collaborative Knowledge Services," *Proc. 38<sup>th</sup> Annual Hawaii International Conference on System Sciences (HICSS-38)-Track 9*, Big Island, Hawaii, Jan. 2005.
3. S. Xu, **J. Huang**, et al., "Security Issues in Privacy and Key Management Protocols of 802.16," *Proc. The Workshop of 2005 International Conference on Computational Intelligence and Security (CIS-05)*, Xi'an, China, Oct. 2005.

### Technical Reports

2. M.G. Valtorta, **J. Huang**, et al., "Tutorial and Training Manual for the Prior and Tacit Knowledge System of OmniSeer," Dec. 2003.
1. J. Cheng, **J. Huang**, et al., "OmniSeer Project Final Report," Aug. 2004.

### COURSES TAUGHT

- Performance Evaluation of Algorithms

- Artificial Intelligence and Heuristic Programming
- Formal Language and Automata Theory
- Complexity Theory
- Artificial Intelligence Theory and Programming
- Biomedical Informatics
- Computer Graphics
- Communications and Network Analysis

## GRANTS

### Funded Grants

- University of South Alabama Faculty Development Council Grant, “Knowledge Sharing in MiRNA Target Prediction,” PI (05/27/2011 - 05/26/2012)
- DOE HERE Program, “Event-Driven Semantic Decision Support System based on CO-EDS (Cybersecurity Ontologies for Energy Delivery Systems),” PI (05/15/2012 - 08/10/2012)
- University of South Alabama Cancer Research Fund, “Discovery of Cancer Genome Mutations using Multi-Layered Vector Spaces Model,” Co-PI (08/01/2011 - 07/31/2012)

### Pending Grants

- NIH U01 Program, “OmniSearch: A semantic tool for discovering microRNAs’ critical roles in human cancers,” PI.
- NSF CAREER Program, “CAREER: Innovative Computational Approaches based on Semantics-Driven Knowledge Discovery to Facilitate microRNA Curation,” PI.

## INVITED TALKS AND PRESENTATION

11. “Semantic Technologies and their Application in Biological and Biomedical Research,” at *Guizhou University*, Guiyan, China, January 2014.
10. “Overview of Semantic Technologies,” at *Shandong Yingcai University*, Jinan, China, December 2013.
9. “Ontology-Based Knowledge Discovery and Sharing in Biological and Medical Research,” at the *Chinese University of Hong Kong*, August 2010.
8. “Towards Mutual Understanding: Ontologies, Ontology Matching, and their Applications,” at the *University of Oregon*, May 2010.
7. “Intelligent Web-Based Educational Assessment System,” at the University of South Alabama’s 17<sup>th</sup> Annual Research Forum, Mobile, AL, March 2010.
6. “Semantic Integration Techniques and Component-Based Software Engineering,” at *Southern Polytechnic State University*, September 2008.
5. “Ontology and Semantic Integration Algorithms,” at *Dali University*, Dali, China, July 2008.
4. “Ontology Matching Algorithms,” at *Oak Ridge National Lab*, Oak Ridge, TN, January 2007.

3. “Inferring, Validating, and Coordinating the Commitments in a Workflow,” presented at 2006 IEEE International Conference on Web Services (ICWS-06), Chicago, IL, September 2006.
2. “A Framework for Intelligent Web Services: Combined HTN and CSP Approach,” presented at 2006 IEEE International Conference on Web Services (ICWS-06), Chicago, IL, September 2006.
1. “Understanding Ontologies for Web Service Coordination,” in the University of South Carolina Graduate Student Day, Columbia, SC, March 2006.

## **PROFESSIONAL SERVICES**

### **Graduate Student Advisement**

(Thesis Supervisor and Committee Member)

6. Weijian Jiang, MS in Computer Science, expected to graduate in 2015
5. He Zhang, MS in Computer Science, expected to graduate in 2014
4. Xingyu Lu, MS in Computer Science, expected to graduate in 2014
3. Moses M. Baldwin, MS in Computer Science, graduated in 2013
2. Nicolas Felts, MS in Computer Science, graduated in 2013
1. Valerian Kiame, MS in Computer Science, graduated in May 2011

### **Journal Editorial Board Member**

3. The Journal of Computer Engineering & Information Technology (JCEIT)
2. MASAUM Journal of Engineering and Applied Sciences (MJEAS)
1. MASAUM Journal of Computer Sciences (MJCS)

### **Journal Review Board Member**

1. Journal of Open Research on Information Systems

### **Conference Steering Committee**

1. The 1<sup>st</sup> International Online Student Conference on Computer Science 2011 (IIOSSCCS-11)

### **Conference and Workshop Co-Chair/Steering Committee**

3. The 8<sup>th</sup> Annual Cyber Security and Information Intelligence Research Workshop (CSIIRW-12)
2. International Conference on Information Technology (ICIT-12)
1. AAMAS Workshop on Service-Oriented Computing (SOCASE-07)

### **Conference Session Chair**

1. 2006 IEEE International Conference on Services Computing (SCC-06)

### **Book Editorial Advisory Board**

2. Democratic Strategies and Citizen-Centered E-Government Services (by IGI Global)
1. Handbook on Research on E-Business Standards and Protocols: Documents, Data and Advanced Web Technologies (by IGI Global)

### **Book Editor**

1. Bioinformatics in microRNA research: computational methods in exploring microRNAs' functions for "Methods in Molecular Biology" series (by Springer)

### **Journal Review**

14. Bioinformatics
13. BMC Genomics
12. PLoS One
11. IEEE Internet Computing
10. World Wide Web Journal (WWWJ)
9. IEEE Transactions on Knowledge and Data Engineering (TKDE)
8. IEEE Transactions on Services Computing (TSC)
7. Multimedia Tools and Applications (MTA)
6. International Journal of Information Management (IJIM)
5. Journal of Recent Patents on Biomedical Engineering (RPBE)
4. Computer Methods and Programs in Biomedicine (CMPB)
3. International Journal of Cooperative Information Systems (IJCIS)
2. Journal of Zhejiang University SCIENCE A (Applied Physics and Engineering)
1. Knowledge Engineering Review Journal (KER)

### **Conference Program Committee**

47. The 6<sup>th</sup> International Conference on Computational Collective Intelligence-Technologies and Applications (ICCCI-14)
46. The 12<sup>th</sup> International Conference on Autonomous Agents and Multiagent Systems (AAMAS-13)
45. The 6<sup>th</sup> International Conference on BioMedical Engineering and Informatics (BMEI-13)
44. The 6<sup>th</sup> International Congress on Image and Signal Processing (CISP-13)
43. The 13<sup>th</sup> IEEE International Conference on Computer and Information Technology (CIT-13)
42. The 5<sup>th</sup> International Conference on Computational Collective Intelligence-Technologies and Applications (ICCCI-13)
41. The 5<sup>th</sup> International Conference on BioMedical Engineering and Informatics (BMEI-12)
40. The 5<sup>th</sup> International Congress on Image and Signal Processing (CISP-12)



39. The 4<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS-12)
38. The 2012 International Conference on Computer, Communications, and Information Technology (ICCCIT-12)
37. The 4<sup>th</sup> International Conference on Computational Collective Intelligence-Technologies and Applications (ICCCI-12)
36. The 10<sup>th</sup> International Workshop on Data Mining in Bioinformatics (BIOKDD-11)
35. The 3<sup>rd</sup> International Conference on Computational Collective Intelligence-Technologies and Applications (ICCCI-11)
34. The 11<sup>th</sup> IEEE International Conference on Computer and Information Technology (CIT-11)
33. The 2011 IEEE International Conference on System Design and Data Processing (ICSDDP-11)
32. The 2<sup>nd</sup> International Conference on Networked Digital Technologies (NDT-10)
31. The 2<sup>nd</sup> International Symposium on Data processing, Privacy, and E-commerce (ISDPE-10)
30. The 10<sup>th</sup> IEEE International Conference on Computer and Information Technology (CIT-10)
29. 2010 International Conference on the Business and Digital Enterprises (ICBDE-10)
28. The 2<sup>nd</sup> International Conference on Computational Collective Intelligence (ICCCI-10)
27. IEEE International Conference on Advanced Information Networking and Applications (AINA-10)
26. The 8<sup>th</sup> International Conference on Autonomous Agents and Multiagent Systems (AAMAS-09)
25. The 4<sup>th</sup> International Workshop on Ontology Matching (OM-09)
24. The Conference of Software, Agents and Services for Business, Research, and E-Sciences (SABRE-09)
23. International Conference on Ontologies, Databases, and Applications of Semantics (ODBASE-09)
22. Symposium on Revision Calculus and Applications (RCA-09)
21. AAMAS Workshop on Service-Oriented Computing (SOCASE-09)
20. The 1<sup>st</sup> International Conference on Computational Collective Intelligence (ICCCI-09)
19. IEEE International Conference on Advanced Information Networking and Applications (AINA-09)
18. 2009 IEEE International Conference on Computer and Information Technology (CIT-09)
17. International Workshop on Intelligent Service Management (ISM-09)
16. International Workshop on Intelligent Services and Process Management (ISPM-08)
15. The 6<sup>th</sup> International Conference on Service Oriented Computing (ICSOC-08)
14. International Workshop on Agents and Web Services in Distributed Environments (AWeSOMe-08)
13. The 4<sup>th</sup> International Workshop on Contexts and Ontologies (CandO-08)
12. AAMAS Workshop on Service-Oriented Computing (SOCASE-08)
11. OnTheMove to Meaningful Internet Systems and Ubiquitous Computing (OTM-08)
10. International Conference on Ontologies, Databases, and Applications of Semantics (ODBASE-08)

9. 2008 IEEE International Conference on Computer and Information Technology (CIT-08)
8. The 6<sup>th</sup> International Conference on Autonomous Agents and Multiagent Systems (AAMAS-07)
7. The 2<sup>nd</sup> International Workshop on Ontology Matching (OM-07)
6. 2007 IEEE International Conference on Computer and Information Technology (CIT-07)
5. The 4<sup>th</sup> International Conference on Grid Service Engineering and Management (GSEM-07)
4. International Workshop on Agents and Web Services in Distributed Environments (AWeSOMe-07)
3. The 1<sup>st</sup> IEEE International Conference on Engineering of Intelligent Systems (ICEIS-06)
2. The 2<sup>nd</sup> International Workshop on Agents, Web Services, and Ontologies (AWeSOMe-06)
1. The 1<sup>st</sup> International Workshop on Ontology Matching (OM-06)

### **Conference Technical Review**

8. 7<sup>th</sup> International Conference on Fuzzy Systems and Knowledge Discovery (FSKD-10)
7. The 22<sup>nd</sup> International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA/AIE-09)
6. The 15<sup>th</sup> International Conference on Cooperative Information Systems (CoopIS-07)
5. 2006 IEEE International Conference on Services Computing (SCC-06)
4. 2006 IEEE International Conference on Computer and Information Technology (CIT-06)
3. 2006 Canadian Semantic Web Working Symposium
2. The 13<sup>th</sup> International Conference on Cooperative Information Systems (CoopIS-05)
1. The 1<sup>st</sup> Intl' WS on Service-Oriented Application, Integration, and Collaboration (SOAIC-05)

### **Other Technical Review**

2. Electronic Business Interoperability: Concepts, Opportunities, and Challenges
1. Handbook of Ontologies for Business Interaction

### **IT Consultant**

1. HS Coding Services Project (Joint project by Software School of Fudan University and Shanghai International Airport Entry-Exit Inspection & Quarantine Bureau)

## **HONORS AND AWARDS**

### **2<sup>nd</sup> Place for Best Student Paper Award** at 2006 IEEE

International Conference on Services Computing (SCC-06)	2006
AAAI Scholarship	2005, 2006
USC Graduate School Dean's Student Travel Award	2005, 2006
Fuzhou University First-Class Undergraduate Scholarship	1996-2000

## **AFFILIATIONS**

Full Member, Sigma Xi, the Scientific Research Society (inducted 2007)

## **TECHNICAL PROFICIENCIES**

### **Programming Languages**

Java, Prolog, SQL, C, C++, Visual Basic, PowerBuilder

### **Database Management Systems**

MS SQL Server, Oracle, Informix, Sybase, MS Access

### **Web Languages, Protocols, and Other Tools**

XML, RDF(S), OWL(-S), BPEL4WS, UDDI, WSDL, SOAP, Protégé, Hugin, NetLogo, JADE

## **HOBBIES**

**Soccer**-play pick-up games twice a week

**Weight-lifting**-have regular training several times per week

**Poker**-one of the best players on “80 grade” (a traditional Chinese poker game)

**Movies**-all different types, especially the action movies

**Music**-mostly popular music, but sometimes pretend to enjoy classical music

## **REFERENCES** (upon request)