

## Li Ding

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### RESEARCH INTERESTS:

Semantic Web, social network, knowledge representation, software agents, trust

### EDUCATION:

- Ph.D in Computer Science, University of Maryland Baltimore County, 2006: Thesis: *Enhancing Semantic Web Data Access* (advisor Dr. Tim Finin)
- M.S in Computer Science, Peking University, 2001. Thesis: *Build Open Spatial Information Interoperation Framework in Semantic Web* (advisor Prof. Zhuoqun Xu)
- B.S in Computer Science, Peking University, 1998.

### PUBLICATIONS:

1. Li Ding and Tim Finin, *Characterizing the Semantic Web on the Web*, in Proceedings of the 5th International Semantic Web Conference, (ISWC'06) November 2006
2. Li Ding, Pranam Kolari, Zhongli Ding, and Sasikanth Avancha, *Using Ontologies in the Semantic Web: A Survey*, book-chapter in *Ontologies: A Handbook of Principles, Concepts and Applications in Information Systems*, 2006.
3. Deborah L. McGuinness, Honglei Zeng, Paulo Pinheiro da Silva, Li Ding, Dhyanes Narayanan, Mayukh Bhaowal, *Investigations into Trust for Collaborative Information Repositories: A Wikipedia Case Study*, in proceedings of the Workshop on Models of Trust for the Web (MTW'06) in conjunction with WWW 2006, May, 2006
4. Boanerges Aleman-Meza, Meenakshi Nagarajan, Cartic Ramakrishnan, Li Ding, Pranam Kolari, Amit Sheth, Budak Arpinar, Anupam Joshi, and Tim Finin, *Semantic Analytics on Social Networks: Experiences in Addressing the Problem of Conflict of Interest Detection*, in proceedings of the 15<sup>th</sup> International WWW conference (WWW'06), May, 2006.
5. Tim Finin and Li Ding, *Search Engines for Semantic Web Knowledge*, in proceedings of XTech 2006: Building Web 2.0, May, 2006.
6. Tim Finin, Li Ding, Lina Zhou, and Anupam Joshi, *Social Networking on the Semantic Web*, The Learning Organization. vol. 5 (12), 2005
7. Li Ding and Rong Pan and Tim Finin and Anupam Joshi and Yun Peng and Pranam Kolari, *Finding and Ranking Knowledge on the Semantic Web*, in proceedings of the forth International Semantic Web Conference (ISWC'05), Nov. 2005.
8. Li Ding, Tim Finin, Anupam Joshi, Yun Peng, Paulo Pinheiro da Silva, and Deborah L. McGuinness, *Tracking RDF Graph Provenance using RDF Molecules*, in proceedings of the fourth International Semantic Web Conference (poster paper), Nov. 2005.
9. Li Ding, Tim Finin, Anupam Joshi, Yun Peng, Rong Pan, and Pavan Reddivari, *Search on the Semantic Web*, IEEE Computer, 10(38):62–69, 2005
10. Tim Finin, Li Ding, Rong Pan, Anupam Joshi, Pranam Kolari, Akshay Java, and Yun Peng, *Swoogle: Searching for knowledge on the Semantic Web*, In proceedings of AAAI 05 (intelligent systems demo), July 2005.

11. Li Ding, *On Boosting Semantic Web Data Access*, AAAI/SIGART Doctoral Consortium, July 2005.
12. Pranam Kolari, Li Ding, Shashidhara Ganjugunte, Lalana Kagal, Anupam Joshi, and Tim Finin, *Enhancing Web Privacy Protection through Declarative Policies*, In proceedings of the IEEE Workshop on Policy for Distributed Systems and Networks, June 2005.
13. Li Ding, Pranam Kolari, Tim Finin, Anupam Joshi, Yun Peng, Yelena Yesha, *On Homeland Security and the Semantic Web: A Provenance and Trust Aware Inference Framework*, in Proceedings of the AAAI Spring Symposium on AI Technologies for Homeland Security, March, 2005.
14. Li Ding, Lina Zhou, Tim Finin, Anupam Joshi, *On How the Semantic Web is Being Used: An Analysis of FOAF*, in proceedings of the 38th International Conference on System Sciences, 2005.
15. Li Ding, Tim Finin, Anupam Joshi, *Analyzing Social Networks on the Semantic Web*, IEEE Intelligent Systems, vol. 1 (9), 2005.
16. Li Ding, Tim Finin, Anupam Joshi, Rong Pan, R. Scott Cost, Yun Peng, Pavan Reddivari, Vishal C Doshi, Joel Sachs, *Swoogle: A Search and Metadata Engine for the Semantic Web*, in proceedings of the 13th ACM Conference on Information and Knowledge Management, 2004.
17. Li Ding, Pranam Kolari, Shashidhara Ganjugunte, Tim Finin, Anupam Joshi, *Modeling and Evaluating Trust Network Inference*, in proceedings of the seventh International Workshop on Trust in Agent Societies at AAMAS, 2004.
18. Li Ding, Lina Zhou, Tim Finin, *Trust Based Knowledge Outsourcing for Semantic Web Agents*, in proceedings of the IEEE/WIC International Conference on Web Intelligence, 2003.
19. Youyong Zou, Tim Finin, Li Ding, Harry Chen and Rong Pan, *Using Semantic web technology in Multi-Agent systems: a case study in the TAGA Trading agent environment*, in proceeding of the fifth International Conference on Electronic Commerce, 2003.
20. Li Ding, Tim Finin, Yongmei Shi, Youyong Zou, Zhongli Ding, Rong Pan, *Strategies and heuristics used by the UMBCTAC agent in the third Trading Agent Competition*, in Workshop on Trading Agent Design and Analysis, held in conjunction with the 18th IJCAI, 2003.
21. Li Ding, Xiaolin Wang, Yingwei Luo, Ying Zhang, Lei Qu and Zhuoqun Xu, *Survey on Distributed Spatial Information Management* (in Chinese), Journal of Image and Graphics, vol. 6 (11):1101–1106, 2001.
22. Li Ding, Lei Qu, Ying Zhang and Yingwei Luo, Xiaolin Wang, Zhuoqun Xu, *Geo-Agents: Design and Implementation*, Journal of Wuhan University, vol. 6 (1-2), pages 451–458, 2001.

## PROFESSIONAL EXPERIENCE:

### (Postdoctoral Fellow)

- Knowledge Systems, AI Laboratory at Stanford University (09/2006- present)
  - Inference Web project (<http://iw.stanford.edu>) co-technical leader and sponsored project manager for two DARPA projects (Integrated Learning ([http://www.darpa.mil/ipto/solicitations/open/05-43\\_PIP.htm](http://www.darpa.mil/ipto/solicitations/open/05-43_PIP.htm)) and Personalized Assistant that Learns (<http://www.darpa.mil/ipto/programs/pal/index.htm>)) and one NSF project (Transparent Accountable Data Mining in the Cybertrust program).

### (Research assistant/Associate)

- eBiquity group at UMBC (09/2002- 08/2006)
  - **Swoogle** Project (<http://swoogle.umbc.edu>), principle contributor (2004-2006).
  - SemDis Project (<http://semdis.umbc.edu>), contributor. (2003-2006).
  - International Trading Agent Competition (<http://taga.umbc.edu/tac/>), leader of UMBCTAC. We **ranked 4<sup>th</sup> in TAC'02** and **5<sup>th</sup> in TAC'03**.

- Travel Agent Game in Agentcities Project (<http://taga.umbc.edu/>). We won the **Best Student Entry** award in Agentcities Technology Competition 2003. 2002-2003.
- DIADIC lab UMBC (01/2002 – 06/2002)
  - Designed EDS, an online PCA algorithm, with Dr. Kargupta.
  - Designed an online random projection algorithm
- Spatial Information Group in Peking University (03/1997-06/2001)
  - Open Spatial Information Interoperation Framework, master thesis (2000–2001).
  - WebGIS project, architect (09/1998 – 01/2000).
  - National Optical Fiber Cable Management System, architect. (03/1997 – 07/1998).

**(Internship)**

- KSL at Stanford, visiting student 06/2005 – 11/2005
- Microsoft Research China, intern 08/2000 – 11/2000
- TCL Computer Technology Co. Ltd. intern 07/1999 – 08/1999
- Beijing Beida Jade Bird Ltd. part-time software engineer/architect 09/1999 – 04/2000

PROFESSIONAL SERVICES:

**(honors and awards)**

- Kodak Postdoctoral Fellow, Sep 2006
- Best paper nominee in the 16<sup>th</sup> International World Wide Web Conference, May 2006
- Travel grant from AAAI for (Spring symposiums 2005 and the main conference 2005)
- Best Student Entry award in Agentcities Technology Competition, 2003
- Graduated with honors (graduate level), 2001
- Peking University Graduate Research Prize, 2001

**(memberships)**

- IEEE member (since 2000), AAAI member (since 2003)
- President of UMBC Chinese Student and Scholar Association(CSSA), 2002-2003

**(conference and workshop services)**

- PC member for 16th International WWW conference (WWW'07), 2007
- Co-Organizer for 2nd International Semantic Web Policy Workshop (SWPW'06), November, 2006
- PC member for AAAI 2006 Fall Symposium on Semantic Web for Collaborative Knowledge Acquisition, October, 2006
- Reviewer for AAAI-06 Member Poster, July, 2006
- PC member for Canadian Semantic Web Working Symposium, June, 2006

References available upon request