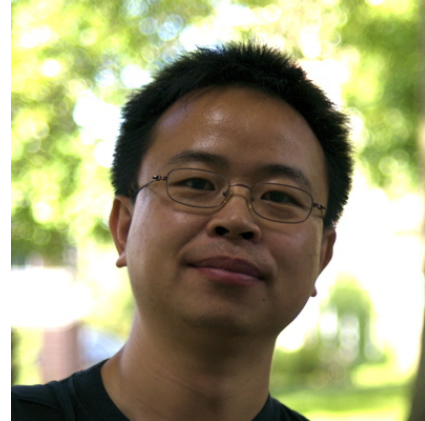


Li Ding, Ph.D.

Research Scientist
Tetherless World Constellation
Computer Science Department
Rensselaer Polytechnic Institute
110 8th St, Troy, NY12180, USA,
Tel: (518) 276-4426
Fax: (518) 276-4464
Email: dingl@cs.rpi.edu
Homepage: <http://www.cs.rpi.edu/~dingl/>



Bio: Li Ding is a research scientist in the Tetherless World Constellation (TWC) at Rensselaer Polytechnic Institute (RPI). He is currently the technical lead of the TWC Linking Open Government Data (LOGD) project which has helped Data.gov, the US open government data web portal, in adopting semantic web technologies for data publishing and data integration. He is a former Kodak postdoctoral fellow in the Knowledge Systems, Artificial Intelligence Laboratory (KSL) at Stanford University where he built ontology-based provenance and trust infrastructure for collaborative online knowledge management systems. He received Ph.D. in computer science from University of Maryland Baltimore County with his pioneer work on Swoogle, the first web-scale semantic web search engine. He received B.S. and M.S. in computer science from Peking University where he started applying semantic web technologies to geographical information systems in 2000. As an early adopter of the Semantic Web, he has published over 70 refereed papers and received over 1600 citations (source: Google Scholar). He is current or past program committee member of international conferences including WWW, ISWC, AAI and CIKM.

Research Interests: Semantic Web, Linked Data, Ontology, Open Government Data, Social Semantic Web, Scientific Workflow, Provenance and Trust, Semantic Search, Knowledge Management Systems, Data Preservation

Teaching Interests: Web Science, Semantic Web, Semantic Information Systems

Education

Ph.D. in Computer Science, May, 2006

Department of Computer Science and Electrical Engineering, University of Maryland Baltimore County

Thesis: *Enhancing Semantic Web Data Access* (Advisor: Dr. Tim Finin)

M.S. in Computer Science, June, 2001

Department of Computer Science and Technology, Peking University

Thesis: *An Open Spatial Information Interoperation Framework in the Semantic Web* (Advisor: Prof. Zhuoqun Xu)

B.S. in Computer Science, June, 1998

Department of Computer Science and Technology, Peking University

Higher Education Experience

- Tetherless World Constellation, Computer Science Department, Rensselaer Polytechnic Institute
 - Research Scientist (2008/04 - present)
 - Postdoctoral Research Associate (2007/04 - 2008/03)
- Knowledge Systems, AI Laboratory (KSL), Department of Computer Science, Stanford University
 - Kodak Postdoctoral Fellow (2006/11 - 2007/03)
 - Postdoctoral Research Associate (2006/09 - 2006/10)
- eBiquity Group, Department of Computer Science and Electrical Engineering, University of Maryland Baltimore County
 - Research Associate (2006/05 - 2006/07)
 - Research Assistant (2002/09 - 2006/05)
- Spatial Information Group, Department of Computer Science and Technology, Peking University, Beijing, P.R.China
 - Research Assistant (1997/03 - 2001/06)

Publications

- Total Citations: 1600+. H-index: 19. (Source: Google Scholar)
- Total refereed publications: 74

Refereed Journal Articles

1. Li Ding and James Michaelis and Jim McCusker and Deborah L. McGuinness, *Linked Provenance Data: A Semantic Web-based Approach to Interoperable Workflow Traces*, Future Generation Computer Systems, (in press), 2010. [[publisher link](#)]
2. Lina Zhou and Li Ding and Tim Finin, *How is the Semantic Web evolving? A dynamic social network perspective*, Computers in Human Behavior, (in press), 2010. [[publisher link](#)]
3. Jie Bao and Uldis Bojars and Ranzeem Choudhury and Li Ding and Mark Greaves and Ashish Kapoor and Sandy Louchart and Manish Mehta and Bernhard Nebel and Sergei Nirenburg and Tim Oates and David L. Roberts and Antonio Sanfilippo and Nenad Stojanovic and Kristen Stubbs and Andrea L. Thomaz and Katherine Tsui and Stefan Woelfl, *Reports of the AAAI 2009 Spring Symposia*, AI Magazine, 30 (3), pp. 89-95, March 2009. [[publisher link](#)]
4. Huajun Chen and Li Ding and Zhaohui Wu and Tong Yu and Lavanya Dhanapalan and Jake Y. Chen, *Semantic web for integrated network analysis in biomedicine*, Briefings in Bioinformatics, 10 (2), pp. 177-192, March 2009. [[publisher link](#)]
5. Boanerges Aleman-Meza and Meenakshi Nagarajan and Li Ding and Amit Sheth and I. Budak Arpinar and Anupam Joshi and Tim Finin, *Scalable semantic analytics on social networks for addressing the problem of conflict of interest detection*, ACM Transactions on the Web, 2 (1), February 2008. [[publisher link](#)]

6. Tim Finin and Li Ding and Lina Zhou and Anupam Joshi, *Social Networking on the Semantic Web*, Learning Organization Journal, 5 (12), November 2005. [[download link](#)] [[publisher link](#)]
7. Li Ding and Tim Finin and Anupam Joshi and Yun Peng and Rong Pan and Pavan Reddivari, *Search on the Semantic Web*, IEEE Computer, 38 (10), pp. 62-69, 2005. [[download link](#)] [[publisher link](#)]
8. Pranam Kolari and Li Ding, *BPEL: Rounding off the Essentials*, SDA Asia Magazine, June/July, 2005. [[download link](#)] [[publisher link](#)]
9. Steffen Staab and Pedro Domingos and Peter Mika and Jennifer Golbeck and Li Ding and Timothy W. Finin and Anupam Joshi and Andrzej Nowak and Robin R. Vallacher, *Social Networks Applied*, IEEE Intelligent Systems, 20 (1), pp. 80-93, 2005. [[publisher link](#)]
10. Yingwei Luo and Li Ding and Xiaolin Wang and Wenjun Wang and Zhuoqun Xu, *A Hierarchical Component-based WebGIS and Its Key Technologies*, Computers and Artificial Intelligence, 24 (3), 2005. [[publisher link](#)]
11. Li Ding and Lei Qu and Ying Zhang and Yingwei Luo and Xiaolin Wang and Zhuoqun Xu, *Geo-Agents: Design and Implement*, Wuhan University Journal of Natural Sciences, 6 (1-2), pp. 451--458, 2001. [[PDF](#)] [[publisher link](#)]

Refereed Journal Articles (in Chinese)

1. Li Ding and Gang Wu and Jie Bao and Ying Ding, *Semantic Web Portal: Where Semantic Data Meets Human Users*, Communications of the CCF, 6 (8), (in Chinese), pp. 53-58, August 2010. [[publisher link](#)]
2. Li Ding and Xiaolin Wang and Yingwei Luo and Ying Zhang and Lei Qu and Zhuoqun Xu, *Study on Combination of GIS and Database*, Journal of Image and Graphics, 6 (11), (in Chinese), pp. 1101--1106, 2001. [[publisher link](#)]
3. Li Ding and Xiaolin Wang and Zhuoqun Xu, *Survey on Database Usage in GIS*, Journal of Computer Applications and Software, 18 (1), (in Chinese), 2001.

Book Chapters

1. Mathieu d'Aquin and Li Ding and Enrico Motta, *Semantic Web Search Engines: The Cases of Swoogle and Watson*, in *Semantic Web Handbook* (2nd Edition), Springer, 2010.
2. Deborah L. McGuinness and Vasco Furtado and Paulo Pinheiro da Silva and Li Ding and Alyssa Glass and Cynthia Chang, *Explaining Semantic Web Applications*, in *Semantic Web Engineering in the Knowledge Society*, Information Science Reference, (chapter 1), 2008. [[PDF](#)] [[publisher link](#)]
3. Li Ding and Pranam Kolari and Zhongli Ding and Sasikanth Avancha, *Using Ontologies in the Semantic Web: A Survey*, in *Ontologies: A Handbook of Principles, Concepts and Applications in Information Systems*, Springer, pp. 79-113, 2007. [[download link](#)] [[publisher link](#)]

Refereed Conferences Papers

1. Li Ding and Joshua Shnavier and Zhenning Shangguan and Deborah L. Mcguinness, *SameAs Networks and Beyond: Analyzing Deployment Status and Implications of owl:sameAs in Linked Data*, in Proceedings of the 9th International Semantic Web Conference (ISWC'10), November 2010. [[PDF](#)] [[publisher link](#)]
2. Ankesh Khandelwal and Jie Bao and Lalana Kagal and Ian Jacobi and Li Ding and James A. Hendler, *Analyzing the AIR Language: A Semantic Web (Production) Rule Language*, in Proceedings of the 4th conference on Web Reasoning and Rule Systems (RR), 2010. [[publisher link](#)]
3. Paul Courtney and Abdul R. Shaikh and Noshir Contractor and Deborah McGuinness and Li Ding and Erik M. Augustson and Kelly Blake and Glen D. Morgan and Richard Moser and Gordon Willis and Bradford W. Hesse, *Consumer Health Portal: An Informatics Tool for Translation and Visualization of Complex, Evidence-Based Population Health Data for Cancer Prevention and Control*, in Proceedings of the 138th APHA Annual Meeting, 2010. [[publisher link](#)]
4. Ying Ding and Yuyin Sun and Bin Chen and Katy Börner and Li Ding and David J. Wild and Melanie Wu and Dominic DiFranzo and Alvaro Graves Fuenzalida and Daifeng Li, *Semantic Web Portal: A Platform for Better Browsing and Visualizing Semantic Data*, in Proceedings of the 6th conference on Active Media Technology (AMT), 2010. [[publisher link](#)]
5. Xian Li and Li Ding and Jim Hendler, *Study Supreme Court Justice Decision Making with Linked Data*, in Proceedings of Web Science Conference (WebSci10), 2010. [[PDF](#)] [[publisher link](#)]
6. Jie Bao and Li Ding and Rui Huang and Paul Smart and Dave Braines and Gareth Jones, *A Semantic Wiki based Light-Weight Web Application Model*, in Proceedings of the 4th Asian Semantic Web Conference (ASWC'09), pp. 168-183, 2009. [[PDF](#)] [[publisher link](#)]
7. Xiaojin (Shelley) Zhang and Sungwook Yoon and Phillip DiBona and Darren Scott Appling and Li Ding and Janardhan Rao Doppa and Derek Greeny and Jinhong K. Guo and Ugur Kuter and Geoff Levine and Reid L. MacTavish and Daniel McFarlane and James Michaelis and Hala Mostafa and Santiago Ontanon and Charles Parker and Jainarayan Radhakrishnan and Anton Rebgunsy and Bhavesh Shrestha and Zhexuan Song and Ethan B. Trehwitt and Huzaifa Zafar and Chongjie Zhang and Daniel Corkill and Gerald DeJong and Thomas G. Dietterich and Subbarao Kambhampati and Victor Lesser and Deborah L. McGuinness and Ashwin Ram and Diana Spearsy and Prasad Tadepalli and Elizabeth T. Whitaker and Weng-Keen Wong and James A. Hendler and Martin O. Hofmann and Kenneth Whitebread, *An Ensemble Learning and Problem Solving Architecture for Airspace Management*, in Proceedings of the 21st Innovative Applications of Artificial Intelligence Conference (IAAI2009) , July 2009. [[PDF](#)] [[publisher link](#)]
8. Jiao Tao and Li Ding and Deborah L. McGuinness, *Instance Data Evaluation for Semantic Web-Based Knowledge Management Systems*, in Proceedings of the 42th Hawaii International Conference on System Sciences (HICSS42), Jan 2009. [[publisher link](#)]

9. Paulo Pinheiro da Silva and Deborah McGuinness and Nicholas Del Rio and Li Ding, *Inference Web in Action: Lightweight Use of the Proof Markup Language*, in Proceedings of the 7th International Semantic Web Conference (ISWC'08), Oct 2008. [[publisher link](#)]
10. 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. [[download link](#)] [[publisher link](#)]
11. Honglei Zeng and Maher Alhossaini and Li Ding and Richard Fikes and Deborah L. McGuinness, *Computing Trust from Revision History*, in Proceedings of the 4th International Conference on Privacy, Security and Trust (PST), October 2006. [[download link](#)] [[publisher link](#)]
12. Boanerges Aleman-Meza and Meenakshi Nagarajan and Cartic Ramakrishnan and Li Ding and Pranam Kolari and Amit Sheth and Budak Arpinar and Anupam Joshi and Tim Finin, *Semantic Analytics on Social Networks: Experiences in Addressing the Problem of Conflict of Interest Detection*, in Proceedings of the 15th International World Wide Web conference (WWW2006), (nominated for best paper award), May 2006. [[PDF](#)] [[download link](#)] [[publisher link](#)]
13. Tim Finin and Li Ding, *Search Engines for Semantic Web Knowledge*, in Proceedings of XTech 2006: Building Web 2.0, May 2006. [[download link](#)] [[publisher link](#)]
14. 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 4th International Semantic Web Conference (ISWC'05), November 2005. [[download link](#)] [[publisher link](#)]
15. Li Ding and Lina Zhou and Tim Finin and Anupam Joshi, *How the Semantic Web is Being Used: An Analysis of FOAF Documents*, in Proceedings of the 38th International Conference on System Sciences (HICSS38), January 2005. [[download link](#)] [[publisher link](#)]
16. Li Ding and Tim Finin and Anupam Joshi and Rong Pan and R. Scott Cost and Yun Peng and Pavan Reddivari and Vishal C Doshi and Joel Sachs, *Swoogle: A Search and Metadata Engine for the Semantic Web*, in Proceedings of the ACM 13th Conference on Information and Knowledge Management (CIKM'04), pp. 652--659, 2004. [[download link](#)] [[publisher link](#)]
17. Li Ding and Lina Zhou and Tim Finin, *Trust Based Knowledge Outsourcing for Semantic Web Agents*, in Proceedings of the 2003 IEEE/WIC International Conference on Web Intelligence (WI), 2003. [[download link](#)] [[publisher link](#)]
18. Youyong Zou and Tim Finin and Li Ding and 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 5th International Conference on Electronic Commerce (ICEC), pp. 95--101, 2003. [[download link](#)] [[publisher link](#)]

Refereed Workshop Papers

1. Jie Bao and Graham Rong and Xian Li and Li Ding, *Representing Financial Reports on the Semantic Web: - A Faithful Translation from XBRL to OWL*, in Proceedings of the International Symposium on Semantic Web Rules (RuleML2010), pp. 144-152, 2010. [[publisher link](#)]
2. Geoff Sutcliffe and Cynthia Chang and Li Ding and Deborah McGuinness and Paulo Pinheiro da Silva, *Different Proofs are Good Proofs*, in Proceedings of the IJCAR 2010 Workshop on Evaluation Methods for Solvers and Quality Metrics for Solutions (EMSQMS) , 2010. [[PDF](#)]
3. Li Ding and Dominic Difranzo and Alvaro Graves and James Michaelis and Xian Li and Deborah L. McGuinness and Jim Hendler, *Data-gov Wiki: Towards Linking Government Data*, in Proceedings of the AAAI 2010 Spring Symposium on Linked Data Meets Artificial Intelligence, 2010. [[PDF](#)] [[publisher link](#)]
4. K. Krasnow Waterman and Deborah McGuinness and Li Ding, *Selective Privacy in a Web-based World: Challenges of Representing and Inferring Context*, in Proceedings of the AAAI 2010 Spring Symposium on Intelligent Information Privacy Management, 2010. [[PDF](#)] [[publisher link](#)]
5. Jie Bao and Li Ding and Deborah L. McGuinness, *Semantic History: Towards Modeling and Publishing Changes of Online Semantic Data*, in Proceedings of the 2nd Social Data on the Web workshop (SDoW2009), October 2009. [[PDF](#)] [[publisher link](#)]
6. James R. Michaelis and Li Ding and Zhenning Shangguan and Stephan Zednik and Rui Huang and Paulo Pinheiro da Silva and Nicholas Del Rio and Deborah L. McGuinness, *Towards Usable and Interoperable Workflow Provenance: Empirical Case Studies Using PML*, in Proceedings of the First International Workshop on the role of Semantic Web in Provenance Management, October 2009. [[PDF](#)] [[publisher link](#)]
7. Jie Bao and Li Ding and James A. Hendler, *Collective Cognition with Semantic MediaWiki: Lessons and Experiences*, in Proceedings of the 1st ITA Workshop on Network-Enabled Cognition, (extended abstract), 2009. [[PDF](#)] [[publisher link](#)]
8. James R. Michaelis and Li Ding and Deborah L. McGuinness, *Towards the Explanation of Workflows*, in Proceedings of the IJCAI 2009 Workshop on Explanation Aware Computing (ExaCt), July 2009. [[download link](#)] [[publisher link](#)]
9. Jiao Tao and Li Ding and Jie Bao and Deborah McGuinness, *Characterizing and Detecting Integrity Issues in OWL Instance Data*, in Proceedings of the 5th International Workshop on OWL: Experiences and Directions (OWLED2008EU), Oct 2008. [[publisher link](#)]
10. Paulo Pinheiro da Silva and Geoff Sutcliffe and Cynthia Chang and Li Ding and Nick del Rio and Deborah McGuinness, *Presenting TSTP Proofs with Inference Web Tools*, in Proceedings of IJCAR '08 Workshop on Practical Aspects of Automated Reasoning (PAAR-2008), August 2008. [[PDF](#)] [[publisher link](#)]
11. Paulo Pinheiro da Silva and Nicholas Del Rio and Deborah McGuinness and Li Ding and Cynthia Chang and Geoff Sutcliffe, *User Interfaces for Portable Proofs*, in Proceedings of 8th International Workshop On User Interfaces for Theorem Provers (UITP'08), August 2008. [[PDF](#)] [[publisher link](#)]

12. Peter Fox and Deborah L. McGuinness and Jose Garcia and Stephan Zednik and Li Ding, *Semantic Provenance for Image Data Processing*, in Proceedings of 2008 Geoinformatics Conference , June 2008. [[publisher link](#)]
13. Li Ding and Jiao Tao and Deborah L. McGuinness, *OWL Instance Data Evaluation*, in Proceedings of the 4th International Workshop on OWL: Experiences and Directions (OWLED-DC), (position paper), April 2008. [[PDF](#)] [[publisher link](#)]
14. Li Ding, *Provenance and Search Issues in RDF Data Warehouse*, in Proceedings of SemGrail 2007 Workshop, (position statement), June 2007. [[publisher link](#)]
15. Deborah L. McGuinness and Li Ding and Paulo Pinheiro da silva and Cynthia Chang, *PML 2: A Modular Explanation Interlingua*, in Proceedings of the AAAI 2007 Workshop on Explanation-Aware Computing, July 2007. [[PDF](#)] [[download link](#)] [[publisher link](#)]
16. Deborah L. McGuinness and Li Ding and Alyssa Glass and Cynthia Chang and Honglei Zeng and Vasco Furtado, *Explanation Interfaces for the Semantic Web: Issues and Models*, in Proceedings of the 3rd International Semantic Web User Interaction Workshop, November 2006. [[download link](#)] [[publisher link](#)]
17. Tim Finin and Li Ding and Anupam Joshi, *Information Integration and the Semantic Web*, in Proceedings of the Workshop on Information Integration, October 2006. [[download link](#)] [[publisher link](#)]
18. Joel Sachs and Cynthia Parr and Andriy Parafiynyk and Rong Pan and Lushan Han and Li Ding and Tim Finin and Allan Hollender and David Wang, *Using the Semantic Web to Support Ecoinformatics*, in Proceedings of the AAAI 2006 Fall Symposium on the Semantic Web for Collaborative Knowledge Acquisition, October 2006. [[download link](#)] [[publisher link](#)]
19. Deborah L. McGuinness and Honglei Zeng and Paulo Pinheiro da Silva and Li Ding and Dhyanes Narayanan and Mayukh Bhaowal, *Investigations into Trust for Collaborative Information Repositories: A Wikipedia Case Study*, in Proceedings of the WWW2006 Workshop on Models of Trust for the Web, May 2006. [[download link](#)] [[publisher link](#)]
20. Pranam Kolari and Li Ding and Shashidhara Ganjugunte and Lalana Kagal and Anupam Joshi and Tim Finin, *Enhancing Web Privacy Protection through Declarative Policies*, in Proceedings of the 6th IEEE International Workshop on Policies for Distributed Systems and Networks, June 2005. [[download link](#)] [[publisher link](#)]
21. Li Ding and Pranam Kolari and Tim Finin and Anupam Joshi and Yun Peng and Yelena Yesha, *On Homeland Security and the Semantic Web: A Provenance and Trust Aware Inference Framework*, in Proceedings of the AAAI'05 Spring Symposium on AI Technologies for Homeland Security, March 2005. [[download link](#)] [[publisher link](#)]
22. Li Ding and Pranam Kolari and Shashidhara Ganjugunte and Tim Finin and Anupam Joshi, *Modeling and Evaluating Trust Network Inference*, in Proceedings of the 7th International Workshop on Trust in Agent Societies, 2004. [[download link](#)] [[publisher link](#)]
23. Youyong Zou and Tim Finin and Li Ding and Harry Chen and Rong Pan, *TAGA: Trading Agent Competition in Agentcities*, in Proceedings of the IJCAI'03 Workshop on Trading Agent Design and Analysis, 2003. [[PDF](#)] [[publisher link](#)]

24. Li Ding and Tim Finin and Yongmei Shi and Youyong Zou and Zhongli Ding and Rong Pan, *Strategies and Heuristics used by the UMBCTAC agent in the Third Trading Agent Competition*, in Proceedings of the IJCAI'03 Workshop on Trading Agent Design and Analysis, 2003. [[download link](#)] [[publisher link](#)]

Refereed Poster/Demo Papers

1. Li Ding and Dominic DiFranzo and Alvaro Graves and James Michaelis and Xian Li and Deborah L. McGuinness and Jim Hendler, *TWC Data-Gov Corpus: Incrementally Generating Linked Government Data from Data.gov*, in Proceedings of the 19th International World Wide Web conference (WWW2010) (developer track), 2010. [[publisher link](#)]
2. Li Ding and Joshua Shinavier and Tim Finin and Deborah McGuinness, *owl:sameAs and Linked Data: An Empirical Study*, in Proceedings of Web Science Conference (WebSci10), (poster), 2010. [[PDF](#)] [[publisher link](#)]
3. Li Ding and James Michaelis and Deborah L. McGuinness and Jim Hendler, *Making Sense of Open Government Data*, in Proceedings of Web Science Conference (WebSci10), (poster), 2010. [[PDF](#)] [[publisher link](#)]
4. Denny Vrandeic and Christoph Lange and Michael Hausenblas and Jie Bao and Li Ding, *Semantics of Governmental Statistics Data*, in Proceedings of Web Science Conference (WebSci10) , (poster), 2010. [[PDF](#)] [[publisher link](#)]
5. Li Ding and Dominic DiFranzo and Sarah Magidson and Deborah L. McGuinness and Jim Hendler, *The Data-gov Wiki: A Semantic Web Portal for Linked Government Data*, in Proceedings of the 8th International Semantic Web Conference (ISWC'09) (poster/demo track), Oct 2009. [[PDF](#)] [[publisher link](#)]
6. Jie Bao and Li Ding and Paul R. Smart and Dave Braines and Gareth Jones , *Rule Modeling using Semantic MediaWiki*, in Proceedings of the 3rd Annual Conference of the International Technology Alliance (ACITA'09), (poster), September 2009. [[PDF](#)] [[publisher link](#)]
7. Li Ding and K Krasnow Waterman and Jie Bao and Lalana Kagal and Deborah L. McGuinness, *Towards a Semantic Web Testbed for Collaborative Policy Development*, in Proceedings of the 2009 Web Science Conference (WebSci'09), (poster), March 2009. [[publisher link](#)]
8. Jie Bao and Li Ding and Deborah L. McGuinness and James A. Hendler, *Towards Social Webtops Using Semantic Wiki*, in Proceedings of the 7th International Semantic Web Conference (ISWC'08) (poster/demo track), Oct 2008. [[PDF](#)] [[publisher link](#)]
9. James Michaelis and Li Ding and Deborah L. McGuinness, *The TW Wine Agent: A Social Semantic Web Demo*, in Proceedings of the 7th International Semantic Web Conference (ISWC'08) (poster/demo track), Oct 2008. [[PDF](#)] [[publisher link](#)]
10. Li Ding and Jiao Tao and Deborah L. McGuinness, *An Initial Investigation on Evaluating Semantic Web Instance Data*, in Proceedings of the 17th International World Wide Web conference (WWW2008), (poster), 2008. [[PDF](#)] [[publisher link](#)]
11. Cynthia Parr and Andriy Parafiyenyk and Joel Sachs and Rong Pan and Lushan Han and Li Ding and Tim Finin and David Wang, *Using the Semantic Web to Integrate*

- Ecoinformatics Resources*, in Proceedings of the 21st AAAI, (intelligent systems demo), July 2006. [[download link](#)] [[publisher link](#)]
12. Cynthia Parr and Andriy Parafiynyk and Joel Sachs and Li Ding and Sandor Dornbush and Tim Finin and David Wang and Allan Hollender, *Integrating Ecoinformatics Resources on the Semantic Web*, in Proceedings of the 15th International World Wide Web Conference (WWW2006), (poster), May 2006. [[download link](#)] [[publisher link](#)]
 13. Tim Finin and Li Ding and Rong Pan and Anupam Joshi and Pranam Kolari and Akshay Java and Yun Peng, *Swoogle: Searching for knowledge on the Semantic Web*, in Proceedings of the 20th AAAI, (intelligent systems demo), July 2005. [[download link](#)] [[publisher link](#)]
 14. Li Ding and Tim Finin, *Boosting Semantic Web Data Access Using Swoogle*, in Proceedings of the 20th AAAI, (student abstract), 2005. [[PDF](#)] [[publisher link](#)]
 15. Li Ding, *On Boosting Semantic Web Data Access*, in Proceedings of the 20th AAAI, (presented in AAAI/SIGART Doctoral Consortium), July 2005. [[publisher link](#)]
 16. Li Ding and Tim Finin and Yun Peng and Anupam Joshi and Paulo Pinheiro-da-Silva and Deborah L. McGuinness, *Tracking RDF Graph Provenance using RDF Molecules*, in Proceedings of the 4th International Semantic Web Conference (poster/demo session), Extended version available as UMBC TR-CS-05-06 and Stanford KSL-05-06, 2005. [[download link](#)]

Theses

- Li Ding, *Enhancing Semantic Web Data Access*, Ph.D. Thesis, University of Maryland Baltimore County, April 2006. [[download link](#)]
- Li Ding, *An Open Spatial Information Interoperation Framework in the Semantic Web*, Master's Thesis, Peking University, (in Chinese), June 2001. [[publisher link](#)]

Non-Refereed Manuscripts

- Lushan Han and Tim Finin and Yelena Yesha and Robin Salkeld and Justin Martineau and Li Ding and Anupam Joshi, *Finding Appropriate Semantic Web Ontology Terms from Words*, Technical Report ,University of Maryland Baltimore County, May 2009. [[download link](#)]
- Ankesh Khandelwal and Li Ding and Lalana Kagal, *AIR Language Tutorial*, Technical Report TWTR-2009-06 ,RPI Tetherless World Constellation, May 2009. [[download link](#)]
- Lushan Han and Li Ding and Rong Pan and Tim Finin, *Swoogle's Metadata about the Semantic Web*, Technical Report ,University of Maryland Baltimore County, May 2006. [[download link](#)]
- Pranam Kolari and Li Ding and Lalana Kagal and Shashidhara Ganjugunte and Anupam Joshi and Tim Finin, *Enhancing P3P Framework through Policies and Trust*, Technical Report TR-04-13 ,University of Maryland Baltimore County, 2004. [[download link](#)]
- Li Ding and Tim Finin, *Weaving the Web of Belief into the Semantic Web*, 2004. [[download link](#)]

- Li Ding and Yongmei Shi and Zhongli Ding and Rong Pan and Tim Finin, *UMBCTAC: A Balanced Bidding Agent*, Technical Report TR-02-15, University of Maryland Baltimore County, 2002. [[download link](#)]

Talks

- Li Ding, *Semantic Wiki and Social Webtop*, presented at Institute of Software, Chinese Academy of Sciences (ISCAS), Beijing, China, Nov 12, 2010.
- Li Ding, *data.gov and the data-gov project at RPI*, presented at Linked Data for eGovernment - ISWC 2010 Tutorial, Shanghai, China, Nov 8, 2010.
- Li Ding, Jim Hendler and Deborah L. McGuinness, *Semantic Web*, presented at US/India Information Technology Workshop, Tinton Falls, NJ, Sep 1, 2010.
- Li Ding, *Putting Government Data in Citizen's Hand*, presented at ICIS Workshop on Integrating, Representing, and Reasoning over Human Knowledge, Snowbird, UT, Aug 2010.
- Li Ding, Deborah L. McGuinness and Jim Hendler, *Mash-up of Linked Government Data from http://data.gov*, SemTech 2010, San Francisco, CA, Jun 24, 2010.
- Li Ding, *Linked Justifications: Provenance Aware Data Integration on Linked Data*, presented at School of Library and Information Science, Indiana University, Bloomington, IN, Nov 2, 2009.
- Li Ding, *The Future of the Semantic Web*, presented at IBM Research China, Beijing, China, Nov 5, 2008.
- Li Ding, *Towards Web-Scale Computing on the Semantic Web*, presented at Institute of Computing Technology Chinese Academy of Sciences (also presented at Peking University and Tsinghua University), Beijing, China, Nov 7, 2008.
- Li Ding, Jie Bao, Jim Hendler and Deborah L. McGuinness, *Semantic Wiki @RPI*, Presented at DIG group, MIT, Boston, MA, October 3, 2008.
- Deborah McGuinness and Li Ding, *Explanation in GILA Phase II*, presented at Integrated Learning PI Meeting, Washington DC., January 15, 2008.
- Li Ding, *Enhancing Web-scale Semantic Web Data Access*, presented at Stanford Logic Group, Stanford University, Stanford, CA, November 15, 2006.
- Li Ding, Deborah L. McGuinness, Tim Finin and Anupam Joshi, *Semantic Web Technologies: A Tutorial*, presented at Kodak Research Laboratories, Rochester, NY, July 18, 2006.

Teaching

- Fall 2010, [Y0240261: Web Science](#) -- Tsinghua University – Instructor
- Fall 2008, [CSCI 6966: Advanced Semantic Web](#) -- Rensselaer Polytechnic Institute (RPI) -- Instructor(co-teach with Jim Hendler)
- Summer 2002, CMSC 491B Special Topics in Computer Science Data and Network Security -- University of Maryland Baltimore County -- Teaching Assistant

- Spring 2002 , CMSC641 Design and Analysis of Algorithms -- University of Maryland Baltimore County -- Teaching Assistant
- Fall 2001, CMSC211: Assembly Language Programming -- University of Maryland Baltimore County -- Teaching Assistant
- Fall 1998, Java Programming -- Peking University -- Teaching Assistant

Honors and Awards

- Second prize in Semantic Web Challenge (14 international competitors), 2010
- Kodak postdoctoral fellowship, 2006
- Best paper nominee in the 16th International World Wide Web Conference, 2006
- AAAI/SIGART Doctoral Consortium Entry, 2005
- Best Student Entry Award in Agentcities Technology Competition, 2003
- Peking University Graduate Research Prize, 2001
- Wu-Si Fellowship (Peking University), 2000

In the News

- 2010-11-16, ABC News: [Just How 'Transparent' Is the Obama White House? Scientists Try to Help](#)
- 2010-11-15, New York Times : [Sorting Through the Government Data Explosion](#)
- 2010-05-21, White House Blog : [Data.gov: Pretty Advanced for a One-Year-Old](#)
- 2010-05-18, Government Computer News : [How researchers enhanced Data.gov using semantic technology](#)
- 2009-11-09, Government Computer News : [How the Semantic Web would work](#)
- 2009-08-10, ZDNET Blog : [Moving Data.gov towards the Semantic Web](#)
- 2009-04-13, Search Engine Journal : [9 Semantic Search Engines That Will Change the World of Search](#)
- 2008-06-09, AIP Matters : [Books of the future: Dickinson goes digital](#)
- 2007-08-13, Search Engine Journal : [Swoogle: An Engine for the Semantic Web](#)
- 2006-05-24, BBC : [Smart sites to power semantic web](#)
- 2006-02-04, Wikipedia : [Swoogle](#)

Professional Service

Conference and Workshop Chair

- Program Chair, The 4th Chinese Semantic Web Symposium, 2010
- Publicity Chair, The 3rd International Provenance and Annotation Workshop, 2010
- Co-Chair, AAAI 2009 Spring Symposium on Social Semantic Web: Where Web 2.0 Meets Web 3.0, 2009
- Publicity Chair, The 7th International Semantic Web Conference (ISWC'08), 2008
- Co-Chair, The 2nd International Semantic Web Policy Workshop, 2006

Conference and Workshop Program Committee Member

- The 19th International World Wide Web conference (WWW2010), 2010
- The 24th AAAI Conference on Artificial Intelligence (AAAI'10), 2010
- The 19th ACM International Conference on Information and Knowledge Management (CIKM'10), 2010
- IJCAR 2010 Workshop on Evaluation Methods for Solvers and Quality Metrics for Solutions, 2010
- ESWC 2010 Workshop on Ontology Repositories and Editors for the Semantic Web, 2010
- WWW 2010 Workshop on Linked Data on the Web, 2010
- The 2nd International Symposium on Data, Privacy, and E-Commerce, 2010
- AAAI Spring Symposium on Linked Data Meets Artificial Intelligence, 2010
- The 21st International Joint Conferences on Artificial Intelligence (IJCAI'09), 2009
- The 8th International Semantic Web Conference (ISWC'09), 2009
- The 18th ACM International Conference on Information and Knowledge Management (CIKM'09), 2009
- The 8th International Conference on Autonomous Agents and Multiagent Systems (AAMAS'09), 2009
- The 3rd Chinese Semantic Web Symposium, 2009
- ISWC 2009 Workshop on Social Data on the Web, 2009
- International Workshop on Computational Social Networks, 2009
- ISWC Workshop on Semantics for the Rest of Us -- Variants of Semantic Web Languages in the Real World, 2009
- The 17th International World Wide Web conference (WWW2008), 2008
- The 17th ACM International Conference on Information and Knowledge Management (CIKM'08), 2008
- The 4th International Workshop on Scalable Semantic Web knowledge Base Systems, 2008
- ISWC 2008 Workshop on Social Data on the Web, 2008
- The 1st International Workshop on Data Semantics in Social Computing Systems, 2008
- The 2nd IEEE International Conference on Semantic Computing, 2008
- WWW 2008 Workshop on Social Web Search and Mining, 2008
- AAAI 2008 Spring Symposium on Semantic Scientific Knowledge Integration, 2008
- The 16th International World Wide Web conference (WWW2007), 2007
- The 6th International Semantic Web Conference (ISWC'07), 2007
- ISWC 2007 Workshop on Privacy Enforcement and Accountability with Semantics, 2007
- IJCAI 2007 Workshop on Semantic Web for Collaborative Knowledge Acquisition, 2007
- AAAI 2006 Fall Symposium on Semantic Web for Collaborative Knowledge Acquisition, 2006
- Canadian Semantic Web Working Symposium, 2006

Journal Reviewer

- AI Magazine
- International Journal of Human-Computer Studies
- Future Generation Computer Systems
- IEEE Transactions on Knowledge and Data Engineering
- Journal of Computer Science and Technology
- ACM Computing Surveys
- Distributed and Parallel Databases
- Data and Knowledge Engineering
- Knowledge and Information Systems
- IEEE Intelligent Systems
- Journal of Web Semantics
- Concurrency and Computation: Practice and Experience
- International Journal of Semantic Web and Information Systems

Student Advisement - Thesis Committee

- Ph.D. dissertation committee member, Lushan Han, University of Maryland, Baltimore County (expected 2011)
- Ph.D. dissertation committee member, Yu-Wei Sung, University of Maryland, Baltimore County (expected 2011)

Student Advisement - Mentor

- Jiao Tao (Ph.D. student, RPI)
- Dominic DiFranzo (Ph.D. student, RPI)
- Xian Li (Ph.D. student, RPI)
- James Michaelis (Ph.D. student, RPI)
- Zhenning Shangguan (Ph.D. student, RPI)
- Jin Zheng (Ph.D. student, RPI)
- Johanna Flores (Master's student, RPI)
- Pratyus Patnaik (Master's student, Stanford)
- Adam Bell (Undergraduate student, RPI)
- Peter Coons (Undergraduate student, RPI)

Other Services

- NSF Panelist, Information and Intelligent Systems Division, National Science Foundation, 2010
- Member, Association for the Advancement of Artificial Intelligence(AAAI), 2005-now

Projects

Sponsored Projects

- [PopSciGrid Portal \(Phase II\)](#) [NIH] -- lead research on integration and visualization of health information for cancer prevention and control
- Networking and Information Extraction [KAUST] -- lead research on social semantic web based knowledge management.
- Knowledge Acquisition for Human Terrain (KAHT) [DARPA] -- lead design of social semantic web infrastructure for human study.
- End to End Semantic Accountability (E2ESA) [IARPA] -- lead formal analysis of AIR policy language.
- General Integrated Learning Architecture (GILA) [DARPA] -- lead design of GILA inter-component ontology and provenance/explanation component.
- [Transparent Accountable Datamining Initiative \(TAMI\)](#) [NSF] -- lead research on policy testbed and justification component.
- Cognitive Agent that Learns and Observes (CALO) [DARPA] -- lead research on explanation infrastructure for CALO agent components.
- DAML-Based Services, Document Templates and Query Answering [DARPA] -- develop a customized search engine for PML provenance data.
- [Science on the Semantic Web -- Prototypes in Bioinformatics \(SPIRE\) - Swoogle](#) [NSF] -- create Swoogle, the first web-scale semantic web search engine
- [SemDIS: Discovering Complex Relationships in the Semantic Web \(SemDis\)](#) [NSF] -- integrate complex social networks on the Web and analyze their structural properties and growth models

Other Projects

- [TWC Linking Open Government Data \(TWC LOGD\)](#) -- lead over ten graduate and undergraduate students on research and development of open government data ecosystem and help US government to adopt Semantic Web technologies.
- [Inference Web](#) -- lead research on provenance ontology and provenance-aware computing.
- Wikipedia Trust -- design provenance-aware trust models for Wikipedia articles
- [International Trading Agent Competition \(TAC\)](#) -- design a software agent to compete in a multi-agent auction game. Ranked 4th in TAC'02, 5th in TAC'03, 2nd in TAC SCM'04
- Independent Study -- design EDS, an online PCA algorithm and an online random projection algorithm
- National Optical Fiber Cable Monitor System -- design system communication, UI and database components using Visual C++.
- WebGIS -- Develop object-oriented data model and communication protocol for Web-based spatial information sharing system.
- GeoAgent -- survey Microsoft's DCOM technology and design a collaborative multi-agent system for retrieving maps from distributed data sources.