

Jian Qin

Associate Professor
School of Information Studies
Syracuse University
235 Hinds Hall
Syracuse, NY 13244

Phone: 315-443-5642
Fax: 315-443-5608
Email: jqin@syr.edu
<http://web.syr.edu/~jqin/>

Curriculum Vita

(Updated 12/20/2005)

ACADEMIC BACKGROUND**Education**

Ph.D., Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, 1996.

M.L.I.S. University of Western Ontario, London, Canada, 1986.

B.A. in Library Science, Wuhan University, Wuhan, China, 1982.

Experience:

Associate Professor, Syracuse University, 2005-

Assistant Professor, Syracuse University, 1999-

Visiting scholar, Online Computer Library Center (OCLC), September-November 2002.

Consultant, Workforce Development Ontology for the Institute for Work and the Economy, 2001-present.

Assistant Professor, University of Southern Mississippi, 1996-1999.

Research Assistant, Library Research Center, University of Illinois at Urbana-Champaign, 1995-1996.

Teaching Assistant, Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, 1994-1995.

Graduate Assistant, East Asian Library & Veterinary Medicine Library, University of Illinois at Urbana-Champaign, 1992-1994.

Research Assistant, Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, 1991-1992.

Lecturer, Wuhan University, China, 1986-1991.

Scholarships and Awards

- Josie B. Houchens Fellowship, University of Illinois at Urbana-Champaign, 1995.
- Graduate College Dissertation Grant, University of Illinois at Urbana-Champaign, 1994.
- Graduate College Conference Travel Grant, University of Illinois at Urbana-Champaign, 1994.
- Hostettler A & M Scholarship, University of Illinois at Urbana-Champaign, 1993.
- Fellowship of the Mortenson Center for International Library Program, University of Illinois at Urbana-Champaign, 1992.

AREAS OF RESEARCH INTEREST

Knowledge organization systems, schema representation of information, metadata, semantic patterns in indexing databases, and scientific communication.

TEACHING RESPONSIBILITIES

IST459 Introduction to Database Management Systems
IST558 Technologies for Web Content Management
IST616 Information Resources: Organization and Access
IST659 Data Administration Concepts and Database Management
IST731 Knowledge Organization Structures

Other courses taught at the University of Southern Mississippi:

LIS505 Introduction to Cataloging and Classification
LIS506 Advanced Cataloging and Classification
LIS655 Technical Services
LIS653 Indexing and Abstracting
LIS558 Internet Resources and Applications

RESEARCH

Funded Projects

Qin, J. & B. Kwasnik. "Building an Interactive Digital Lab for Distance and Campus Students." Syracuse University Vision Fund 2001.

Qin, J. Institute for Scientific Information (ISI) Citation Research Grant, 1997. "Cognitive Relevance in Citation Index and Citation-Semantic Searching: Antibiotic Resistance."

OCLC Library and Information Science Research Grant, 1997. "Computational Representation of Web Objects in an Interdisciplinary Digital Library: A Survey and an Experiment in Polymer Science."

PUBLICATIONS

Book Chapters

Qin, J. (2004). Web content management. In: H. Bidgoli (ed.), *The Internet Encyclopedia*. New York: John Wiley & Sons. ISBN 0-471-22201-1 (Refereed)

Qin, J. (2002). Semantic patterns in bibliographically coupled citations. In: A. Kent (ed.), *Encyclopedia of Library and Information Science*, Vol. 72, 341-365. New York: Marcel Dekker, 2002.

Refereed Journal Articles

Park, J. & J. Qin. (in review). Exploring antecedents of scholars' attitude towards open access: a grounded theory approach. Submitted to *Journal of the American Society for Information Science and Technology*.

Qin, J. & N. Hernández. (forthcoming). Building interoperable vocabulary and structures for learning objects. *Journal of the American Society for Information Science and Technology*, forthcoming.

Qin, J. & M. Taffet. (2004). Vocabulary use in XML standards in the financial and capital markets domain. *Knowledge and Information Systems*, 6(3): 269-289.

- Qin, J. (2004). Ontologies and Semantic Web: current development and research agenda. *Library and Information Technology* (Abstract in English, text in Chinese), No.1, 16-23.
- Qin, J. & S. Paling. (2001). Converting a controlled vocabulary into an ontology: the case of GEM. *Information Research: An International Electronic Journal*, 6(2): <http://InformationR.net/ir/6-2/paper94.html> (January).
- Qin, J. (2000). Semantic similarities in a keyword database and a controlled vocabulary database: an investigation in antibiotic resistance literature. *Journal of the American Society for Information Science*, 51(2): 166-180.
- Qin, J. & K. Wesley. (1998). Web indexing with meta fields: a survey of Web objects in polymer science. *Information Technology and Libraries*, 17(3): 149-156.
- Qin, J., F.W. Lancaster & B. Allen. (1997). Levels and types of collaboration in interdisciplinary research. *Journal of the American Society for Information Science*, 48(10): 893-916.
- Allen, B., J. Qin, & F. W. Lancaster. (1994). Persuasive communities: a longitudinal analysis of references in the *Philosophical Transactions of the Royal Society*, 1665-1990. *Social Studies of Science*, 24(2): 279-310.
- Qin, J. (1994). An investigation of research collaboration in the sciences through the *Philosophical Transactions of the Royal Society*, 1901-1991. *Scientometrics* 29(2): 219-238.

Refereed Conference Papers

- Qin, J. & J. C. Prado. (2005). Use of learning object vocabulary in GEM queries. In: T. Baker and E. Mendez (Eds.), DC-2005 Proceedings of the International Conference on Dublin Core and Metadata Applications: Vocabularies in Practice, Madrid, Spain, September 12-15, 2005, 179-182. Leganes, Spain: Library and Information Sciences Department of University Carlos III of Madrid.
- Qin, J. & F. Zhang. (2004). Managing institutional repositories with an ontology-based approach. In: Z. Chen et al. (Eds.), Digital Libraries: International Collaboration and Cross-Fertilization: 7th International Conference on Asian Digital Libraries, ICADL 2004, Shanghai, China, December 13-17, 2004 Proceedings, 300-309. LNCS3334. Berlin: Springer.
- Creticos, P. & J. Qin. (2004). Open Knowledge Exchange (OKE) for workforce development. In: C. Bussler et al. (Eds.), The Fifth International Conference on Web Information Systems Engineering, WISE 2004 Workshops, Brisbane, Australia, November 22-24, 2004, Proceedings, 73-81. LNCS 3307, Berlin: Springer.
- Qin, J. & N. Hernandez. (2004). Ontological representation of learning objects: building interoperable vocabulary and structures. In: Proceedings of WWW2004, New York, May 17-22, 2004, 348-349. New York: ACM Press.
- Qin, J. & J. Godby. (2003). Incorporating educational vocabulary in learning object Metadata Schemes. In: *Research and Advanced Technology for Digital Libraries: 7th European Conference, ECDL 2003, Trondheim, Norway, August 17-22, 2003, Proceedings*, 52-57. Berlin: Springer.

- Qin, J. & C. Finneran. (2002). Ontological representation of learning objects. In: *Proceedings of the Workshop on Document Search Interface Design and Intelligent Access in Large-Scale Collections*, JCDL'02, July 18, Portland, OR. <http://xtasy.slis.indiana.edu/jcdlui/uiws.html>
- Qin, J. (2002). Evolving paradigms of knowledge representation: a comparative study of classification, XML/DTD, and ontology. In: *Proceedings of the Seventh International Society for Knowledge Organization Conference*, July 10-12, 2002, Granada, Spain, 465-471. Würzburg, Germany: Ergon.
- Qin, J. & J. Chen. (2001). A multi-layered, multidimensional representation of digital educational resources. In: *Subject Retrieval in the Networked Environment: Proceedings of the IFLA Satellite Meeting held in Dublin*, OH, 14-16 August 2001, 90-96. München: K. G. Saur (published in 2003).
- Qin, J. (1998). Information Modules in a Scientific/Engineering Workstation: Roadblocks in Utilizing Electronic Information for Interdisciplinary Research. In: *Proceedings: Socioeconomic Dimensions of Electronic Publishing Workshop—Meeting the Needs of the Engineering and Scientific Communities*, Santa Barbara, CA, April 23-25, 121-126. Piscataway, NJ: IEEE, 1998.
- Qin, J. (1995). Collaboration and publication productivity: an experiment with a new variable in Lotka's Law. In: *Proceedings of the Fifth Biennial Conference of the International Society of Scientometrics and Informetrics*, 445-454. Medford, NJ: Learned Information.

Non-Refereed Journal Articles

- Lin, X. & J. Qin. (2002). Converging knowledge structures in a repository. *Library and Information Services*, No. 10: 5-13.
- Qin, J. & J. Chen. (2002). Integration of a resource-oriented vocabulary with knowledge-oriented vocabulary systems. *Journal of Academic Libraries*, 20(2): 2-8.
- Qin, J. (2000). Representation and organization of information in the Web space: from MARC to XML. *Informing Science*, 3(2): 83-88 (<http://inform.nu/>).
- Qin, J. (1999). Discovering semantic patterns in bibliographically coupled documents. *Library Trends*, 48(1): 108-131.
- Qin, J. (1995). Issues in scientific communication and the potential for information marketing in China. *Bulletin of the American Society for Information Science*, 21(5): 7-8.
- Qin, J. (1990). On the statistical measurements of libraries. *The Bulletin of the Library Science Association of China*, no. 3: 42-45. (Text in Chinese)
- Qin, J. & H. Fu. (1985). The public library and the GNP: a correlation analysis. *Library Science Research*, no. 5: 35-37. (Text in Chinese)
- Qin, J. & H. Fu. (1985). An introduction to indexing and abstracting services in economics and business in Western countries. *World Books*, no. 4: 24-26 (1985). (Text in Chinese)
- Qin, J. (1984). A history of economics and business periodicals in China. *World Books*, no. 7: 5-8. (Text in Chinese)

- Qin, J. (1984). The supply and demand and the effectiveness of bibliographic services. *Library World*, no. 1: 34-37. (Text in Chinese)
- Qin, J. (1984). A statistical analysis of bibliographic research in recent years. *The Bulletin of the Library Association of China*, no. 4: 61-63. (Text in Chinese)
- Qin, J. & H. Fu. (1983). Issues in economics and business periodicals and newspapers. *Utilization of Books and Periodicals*, no. 4: 42-44. (Text in Chinese)

Conference Papers

- Qin, J. (2003). Semantic Web and ontologies: current development and research agenda. *Symposium of Sustainable Development and Innovations for Libraries*, Beijing, China, December 20-23, 2003.
- Lin, X. & J. Qin. (2002). Building a topic map repository. In: *Knowledge Technologies Conference, March 11-13, 2002, Seattle, Washington*.
<http://www.knowledgetechnologies.net/proceedings/presentations/lin/xialin.pdf>
- Qin, J. (2001). Ontology-based metadata for intelligent digital libraries. In: C. C. Chen (ed.), *Global Digital Library Development in the New Millennium*, pp. 243-250. Beijing: Tsinghua University Press.
- Qin, J. (1998). Cognitive relevance in citation index and citation-semantic searching: antibiotic resistance. In: *19th Annual National Online Meeting Proceedings--1998*, 297-306. Medford, NJ: Information Today, 1998.
- Qin, J. (1995). The Development of collaboratories in the U.S. and its inspirations for science policy of China. In: *Proceedings of the Second Academic Conference of Young Scientists*, 498-502. Beijing: China Science and Technology Press, 1995. (Text in Chinese)

Conference Presentations

- Qin, J. & J. H. Park. (2004). The Impact of open access journals on scientific collaboration: a methodological discussion. Panel presentation accepted by the ASIST Annual Meeting 2004.
- Qin, J. & W. Y. Hsiao. (2004). How users search in educational digital libraries: findings of GEM query log analysis. Panel presentation accepted by the ASIST Annual Meeting 2004.
- Tarr, S. & J. Qin. (2004). Classifying fire service video clips with a user-centered approach. Panel presentation accepted by the ASIST Annual Meeting 2004.
- Qin, J. (2002). Collaborative construction of a content architecture for digital resources. Panel presentation at ASIST Annual Meeting 2002.
- Qin, J. (1999). Discipline- and industry-wide metadata schemas: semantics and namespace control. Panel presentation at ASIS Annual Meeting 1999.
- Qin, J. (1997). Semantic patterns in citation clusters: subject distribution and shifting in the literature of antibiotic resistance in pneumonia. Panel presentation at the American Society for Information Science Annual Meeting 1997.

Report:

Qin, J. *Computational Representation of Web Objects: A Framework for Adapting and Extending Dublin Core Metadata Elements*. A report to the OCLC with the support of the Library and Information Science Research Grant, January 1999.

http://www.oclc.org/research/publications/arr/1998/qin/computational.abstract_contents.htm

Reviews:

Review of G.C. Bowker & S. L. Star (eds). (2000), How classifications work: problems and challenges in an electronic age. *Information Processing and Management*, 36, 331-339.

Review of Chongde Wang. (1995). *Bibliometrics: A Textbook*. *Journal of Information, Communication and Library Science* 2(2): 84-85.

Editorials

Qin, J., Kwasnik, B., & Roussinov, D.. (2001). Editorial - Knowledge Representation. *Information Research: An International Electronic Journal*, 6(2): <http://InformationR.net/6-2/KReditor62.html> .

Qin, J. (2000). Working with data: discovering knowledge through mining and analysis. *Bulleting of the American Society for Information Science & Technology*, 27(1): 5-6.

Qin, J. and Norton, M. J. (1999). Introduction [for the Knowledge Discovery in Bibliographic Databases issue]. *Library Trends*, 48(1): 1-8.

Special Issues Edited:

Qin, J., Kwasnik, B., & Roussinov, D. (Eds.) (2001). Special issue on taxonomy and classification. *Information Research: An International Electronic Journal*, 6(2): <http://InformationR.net/6-2/paper94.html>.

Qin, J. (ed.) (2000). Knowledge discover in databases. *Bulletin of the American Society for Information Science*, 27(1).

Spink, A. & Qin, J. (eds.) (2000). Web research and information retrieval. *Information Processing and Management*, 36(2): 205-89.

Qin, J. & Norton, M. J. (eds.). (1999). Discovering knowledge in bibliographic databases. *Library Trends*, 48(1).

Invited Presentations and Talks

Presentations given at: (a) China Academic Library and Information System (CALIS) (July 4-8, 2005), (b) Tsinghua University Library (June 24, 2005), (c) the Library of Chinese Academy of Science (June 25, 2005), (d) Library Associations of Zhejiang Province, Jiangsu Province, and Shanghai (June 30-July 1, 2005), and (e) Xiamen University Library (July 3-8, 2005) on the following topics:

1. Building a Semantic Network for Information Retrieval
2. Semantic Web and Ontologies.

Presentations given at (a) the Advanced Seminar for Digital Library Research and Development, Shenzhen University Town, Shenzhen, China, June 23-25, 2004;(b) the Third Advanced Seminar for Network Information and Technology Development, Beijing Document Services, Beijing, China, June 28-29, 2004; and (c) Wuhan University Library, Wuhan, China, July 1-2, 2004:

1. Metadata and the organization and management of scientific data and information
2. The role of academic libraries in building digital learning resources
3. Semantic Web and ontologies

Introduction to Semantic Web standards, technologies, and applications. A one-day workshop given at Beijing University Library, December 20, 2003.

Introduction to Semantic Web standards, technologies, and applications. A half-day seminar given at Qinghua University Library, December 22, 2003.

Introduction to Semantic Web standards, technologies, and applications. A half-day seminar given at Shanghai Jiaotong University Library, January 2, 2004.

Knowledge Management and Technology: Challenges and Opportunities for Libraries. *Symposium of Knowledge Management*, Beijing, China, May 20, 2002. Sponsored by Chinese Academy of Science Library and Information Center.

Introduction to eXtensible Markup Language (XML). *Second Advanced Seminar for Network and information Technology 2000*, sponsored by Beijing Document Service, Beijing, China.

Technology and Standards for Information Resource Sharing. A three-day seminar given at the Second Summer Workshop for Advanced Librarianship, Sichuan University, Chengdu, China, July 19-22, 1999.

SERVICES

Institutional Committees and Services

School of Information Studies, Syracuse University:

Curriculum Committee, member, 2003-2004

Distance Education Committee, member, 2002-2003

Personnel Committee, member, 2001-2002

Search Committee, Coordinator for MLS Search, 2000-2001

Faculty Advisor for IST SLA Student Chapter, 2001-

Financial Aid Committee, IST, member, 1999-2000

Search Committee for GEM project specialist and cataloger, member, 1999-2003

School of Library and Information Science, University of Southern Mississippi:

Student Activities Committee, Chair, 1997-1999.

Search Committees for Director and Assistant Professor Positions, member, 1996-1999.

Designer and master of the web site at School of Library and Information Science, 1998-1999.

Professional Services

Editorial Board

Information Research: An International Electronic Journal

<http://www.shef.ac.uk/~is/publications/infres/ircont.html>, member, 1999-

Modern Library and Information Technology, member, 2003- (Published by the Chinese

Academy of Science Library and Information Center)

Reviews

ASIST Annual Conference Research papers
BMC Complementary and Alternative Medicine (BMC = BioMed Central)
DC2003 (Program Committee member)
Grant proposals for the Singapore National Institute for Education
Information Processing and Management
Information Research
Journal of the American Society for Information Science and Technology
The Seventh International Conference on Digital Libraries

Committees

American Society for Information Science and Technology
Best Information Science Book Award Jury Committee, Chair, 2003
Awards and Honors Committee, member, 2002
ISI/ASIS&T Citation Research Grant Jury Committee, member, 1999-2001
SIG/Scientific and Technology Information, Coordinator of Student Award, 1999-; Chair-elect, 2004-2005, Chair, 2005-2006.

Special Libraries Association
Committee on Cataloging, Chair, 2002-2003; member, 2001-2003.
Upstate New York Chapter Advisory Board, member, 2001-

Panels Organized and Moderated

Organizer and Moderator for the ASIST Annual Meeting 2005: "Managing Scientific Data and Information: A Technical Discussion."

Moderator for the ASIST Annual Meeting 2004: "Metadata and Standards." (Paper session)

Organizer and Moderator for the ASIST Annual Meeting 2002: "Deeper Representation of Digital Information: from Metadata to Semantic Data."

Organizer and Moderator for the ASIS&T Annual Meeting 2000: "Conquering the Babel: Cross-Lingual Information Retrieval."

Organizer of a panel for the ASIS Annual Meeting 1999: "The Metadata Architecture: Issues, Problems, and Future Research."

Organizer of a panel for ASIS Annual Meeting 1999: "Discovering Knowledge Networks: from Document Representation to Content Linkages."

Organizer and moderator of a panel proposal accepted by ASIS Mid-Year 1999. "Access to Scholarly Information via Professional Societies' Web Sites: Content, Means, and Uses." (Withdrawn due to conflicting schedules)

Organizer of a panel for the ASIS Annual Meeting 1997 "Multilingual Databases in the Networking Age: Strategies for Connecting Producers and Users."

Memberships

American Society for Information Science and Technology
Special Library Association