

Jiangping Chen

Curriculum Vitae

Jiangping Chen, Ph.D.
Assistant Professor
School of Library and Information Sciences
University of North Texas
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Education

Ph.D. Information Transfer. Syracuse University, New York, 2003

Dissertation:

The Construction, Use, and Evaluation of a Lexical Knowledge Base for English-Chinese Cross Language Information Retrieval

Advisor: Dr. Elizabeth D. Liddy

M.S. Information Science. Library of Chinese Academy of Sciences, Beijing, China, 1995

B.S. Information Science. Wuhan University, Wuhan, China, 1988

Professional Experience

1/2004 – Current. Assistant Professor, School of Library and Information Sciences, University of North Texas

5/2000 – 12/2003. Research Analyst, Center for Natural Language Processing, School of Information Studies, Syracuse University

8/1999 – 4/2000. Graduate Assistant, School of Information Studies, Syracuse University

4/1995 – 8/1998. Research Associate, Information Institute of the Ministry of Electronics Industry, Beijing, China

6/1988 – 3/1995. Research Assistant, Wuhan Documentation and Information Center, Chinese Academy of Sciences, Wuhan, China

Research Interests

Intelligent Information Access: Cross-Language Information Access, Natural Language Processing, Question Answering

Digital Libraries: Automatic Metadata Generation, Digital Libraries System Evaluation, Technologies and Services

Information Systems Design & Analysis: Web Database Systems, Information Systems Evaluation and Usability Studies

Teaching

SLIS 5740: Introduction to Digital Libraries

(Spring 2008, Fall 2007, Spring 2007)

SLIS 5707.001/002/005: Data Modeling for Information Professionals

(Spring 2008, Fall 2007, Spring 2007, Fall 2006, Spring 2006, Fall 2005, Spring 2005, Fall 2004)

SLIS 5717.001: Dynamic WWW Control Structures

(Spring 2008, Spring 2007, Spring 2006, Spring 2005, Spring 2004)

SLIS 5910.704: Information Retrieval Interaction (Spring 2006)

SLIS 5900.703: Survey Research Methods (Fall 2007)

SLIS 5900.704: Information Systems Design and Implementation

SLIS 5900: Special Problems on Cross Language Information Retrieval

SLIS 6900.712: Special Problems on Automatic Question Answering

SLIS 6900.710: Special Problems on Cross Language Information Retrieval

Dissertation Committees

Dissertation Chair:

Erhan Erdonmez (expected graduation date: August 2008)

Mehmet Odabasi (expected graduation date: August 2009)

Dissertation Co-Chair:

Rowena Li

Dissertation Committee Member:

Chris Strauss (Graduated Summer 2006)

Christina Chen (To graduate December 2007)

Ramazan Yalcinkaya (Graduated August 2007)

Huseyin Durmaz (Gruaduated August 2007)

Serhiy Polyakov

Kubra Gultekin

Serkan Tatil

Andras Csomai (from Computer Science)

P.L.Sujatha (Dept. of Information Science, Uni. Of Madras, India)

Master Thesis Committee Member:

Ehsanul Faruque (from Computer Science, Graduated 2005)

Michael Mohler (to graduate in December 2007)

Publications in Progress

Chen, Jiangping, Li, Fei, and Yalcinyaka, Rmamzan, (in preparation). An Investigation of Researchers' Satisfaction on Resource Acquisition and Sharing in Intelligent Information Access.

Chen, Jiangping (in preparation) Cross-Language Information Access in Digital Libraries.

Publications

Chen, Jiangping and Fei, Li. (submitted). An Analysis of the Use of Resources for Intelligent Information Access. The Sixth International conference on Language Resources and Evaluation (LREC 2008), (<http://www.lrec-conf.org/lrec2008/>)

Cleveland, Ana; Pan, Della; Chen, Jiangping; Yu, Xinyu; Philbrick, Jodi; O'Neill, Martin; and Smith, Lisa. (2008). Analysis of the health information needs and health related Internet usage of a Chinese population in the United States. *Library and Information Service*, 52(3).

Chen, Jiangping (2007). Services provided by digital libraries: current status and future strategies. *Library and Information Service*, 51(12), 26-32.

Li, Fei; Hu, Xiao; and Chen, Jiangping (2007). Chapter 11: Information Technology in the Field. In Heting Chu & Qiping Zhang (eds.) *Research Fronts in the Humanities and Social Sciences in the West: Library and Information Science*. Press of Renmin University, Beijing. 290-318.

Chen, Jiangping; Li, Yuhua, and Li, Gang. (2006). The Use of Intelligent Information Access technologies in Digital Libraries. *L. Feng et al. (Eds.): WISE 2006 Workshops*, LNCS 4256, pp. 239 – 250, Springer-Verlag Berlin Heidelberg 2006.

Chen, Jiangping; Li, Fei; and Xuan, Cong. (2006). A Preliminary Analysis of the Use of Resources in Intelligent Information Access Research. Online Proceedings of ASIST 2006 Annual Conference.

Chen, Jiangping (2006). A lexical knowledge base approach for English-Chinese cross-language information retrieval. *Journal of the American Society for Information Science and Technology*, 57(2), 233-243.

Chen, Jiangping; Yu, Ping, and Ge, He. (2006). UNT 2005 TREC QA Participation: Using Lemur as IR Search Engine. Online Proceedings of the Fourteenth Text REtrieval Conference (TREC 2005). Available at: <http://trec.nist.gov/pubs/trec14/papers/unorth-texas.qa.pdf>

Chen, Jiangping; Li, Rowena; Yu, Ping; Ge, He; Chin, Pok; Li, Fei and Xuan, Cong. (2005). Chinese QA and CLQA: NTCIR-5 QA experiments at UNT. Proceedings of NTCIR-5 workshop, Tokyo, Japan, December 2005. Available at: <http://research.nii.ac.jp/ntcir/workshop/OnlineProceedings5/data/CLQA/NTCIR5-CLQA-ChenJ.pdf>.

Chen, Jiangping; Li, Rowena and Li, Fei. (2005). Chinese information retrieval using Lemur: NTCIR-5 CIR experiments at UNT. Proceedings of NTCIR-5 workshop,

- Tokyo, Japan, December 2005. Available at:
<http://research.nii.ac.jp/ntcir/workshop/OnlineProceedings5/data/CLIR/NTCIR5-CLIR-ChenJ.pdf>
- Chen, Jiangping (2005). Toward a unified retrieval outcome analysis framework for cross-language information retrieval. *Online proceedings of 2005 annual conference of the American Society for Information Science and Technology*, Charlotte, North Carolina. October 30-November 1, 2005.
- Diekema, Anne & Chen, Jiangping (2005). Experimenting with the automatic assignment of educational standards to digital library content. *Proceedings of 2005 Joint Conference on Digital Libraries*, Denver, Colorado, June 7-11, 2005.
- Chen, Jiangping (2005). Establishing your own knowledge base for reference service. Contributed Paper for *Texas Library Association Annual Conference*, April 5-8, Austin, TX.
- Chen, Jiangping; Ge, He; Wu, Yan and Jiang, Shikun. (2004). UNT at TREC 2004: question answering combining multiple evidences. Online Proceedings of TREC 2004. Available at: <http://trec.nist.gov/pubs/trec13/papers/unorthtexas.ga.pdf>.
- Diekema, Anne; Yilmazel, Ozgur; Chen, Jiangping; Harwell, Sarah, He, L. & Liddy, Elizabeth D. (2004). Finding Answers to Complex Questions. In Maybury, M.(Ed.) *New Directions in Question Answering*. AAAI-MIT Press. 141-152.
- Diekema, Anne; Yilmazel, Ozgur; Chen, Jiangping; Harwell, Sarah and Liddy, Elizabeth D. (2003) What do you mean? Finding answers to complex questions. *AAAI Spring Symposium: New Directions in Question Answering 2003*: 87-93.
- Hsiao, Wenyuan; Chen, Jiangping; and Liddy, Elizabeth, D. (2003). A Web application for English-Chinese Cross Language Patent Retrieval. In *Proceedings of 5th International Conference on Enterprise Information Systems*. Angers-France.
- Diekema, Anne; Chen, Jiangping; McCracken, Nancy; Yilmazel, Ozgur and Liddy, Elizabeth D. (2002). Question answering: CNLP at the TREC-11 question answering track. In: *Proceedings of 11th Text REtrieval Conference*.
- Qin, Jian and Chen, Jiangping (2002). Integration of a resource-oriented vocabulary with knowledge-oriented vocabulary system. *Journal of Academic Libraries*, 20(2), 2-8.
- Chen, Jiangping; Diekema, Anne; Taffet, Mary; McCracken, Nancy; Yilmazel, Ozgur and Liddy, Elizabeth D. (2002). Question answering: CNLP at the TREC-10 question answering track. *Proceedings of 10th Text REtrieval Conference*, 485-494.
- Qin, Jian and Chen, Jiangping (2001). A multi-layered, multi-dimensional representation of digital educational resources. *IFLA satellite Conference on Subject Retrieval in a Networked Environment*. Ohio, August, 2001.
- Diekema, Anne; Liu, Xiaoyong; Chen, Jiangping; Wang, Hudong; McCracken, Nancy; Yilmazel, Ozgur and Liddy, Elizabeth D. (2001). Question answering: CNLP at the TREC-9 question answering track. *Proceedings of 9th Text REtrieval Conference*, 412-421.
- Chen, Jiangping (1996). Distributed database systems and their applications. *New Technology of Library and Information Service*, 29-31, No. 3.

- Chen, Jiangping (1995). Enhancing the usability of document databases---design, implementation, and service. *Proceedings of Symposium on Information Database Construction*, p159-166.
- Chen, Jiangping (1995). Automatic indexing expert system for scientific documents: Abstract of Thesis. *Library & Information*, No. 3.
- Xue, Jingfang and Chen, Jiangping (1992). Chinese documentary database of spectroscopy and atomic molecular physics: abstracts. *CODATA BULLETIN Scientific Program and Abstracts, Proceedings of 13th International CODATA Conference*, p124, Vol. 24, No. 2 .
- Chen, Jiangping (1991). The construction issues of domain-specific abstract database systems. Paper presented at the first workshop of Library and Information Science of Chinese Academy of Sciences, Wuhan Branch. November, 2001, Wuhan, China.
- Xue, Jingfang; Duan, Shouchang and Chen, Jiangping (1991). Subject indexing practice for constructing a domain-specific documentary database. *Information Professional Research*, 36-38, No. 1.

Presentations, Invited Talks, and Posters

- Chen, Jiangping (2007). Digital Libraries: Definitions, Core Issues, and Research Opportunities. Invited talk presented at Wuhan University, Wuhan, China, June 5, 2007.
- Chen, Jiangping (2007). Digital Libraries: Definitions, Core Issues, and Challenges. Invited talk presented at Wuhan Documentation and Information Center, Chinese Academy of Sciences, June 18, 2007.
- Chen, Jiangping; Li, Yuhua, and Li, Gang. (2006). The Use of Intelligent Information Access Technologies in Digital Libraries. Presented at: *WISE 2006 Workshops*, October 22, 2006, Wuhan, China.
- Li, Fei; and Chen, Jiangping. (2006). A Preliminary Analysis of the Use of Resources in Intelligent Information Access Research. Presented at *ASIST 2006 Annual Conference*, November 7, 2006. Austin, Texas.
- Chen, Jiangping (2006). Implementing cultural diversity through collaboration. Presented at 2006 TLA (Texas Library Association) Annual Conference, Houston, Texas, April 25-28, 2006.
- Chen, Jiangping (2005). Toward a unified retrieval outcome analysis framework for cross language information retrieval. Presented at ASIST'05 Annual Conference, Charlotte, North Carolina. October 30-November 1, 2005.
- Liddy, Elizabeth D.; Chen, Jiangping; Finneran, Christina M.; Diekema, Anne R.; Harwell, Sarah C.; Yilmazel, Ozgur. (2005). A Retrospective on Generating & Evaluating Automatic Metadata for Educational Resources: A Holistic Program (poster). 9th European Conference on Research and Advanced Technology for Digital Libraries (ECDL 2005) September 18-23, 2005 Vienna, Austria.

- Chen, Jiangping (2005). Information access across languages. *Informal Talk* at the School of Library and Information Sciences, University of North Texas. April 13, 2005.
- Chen, Jiangping (2005). Establishing Your Own Knowledge Base for Reference Service. Presented at: Texas Library Association Annual Conference, April 5-8, Austin, TX.
- Chen, Jiangping (2005). CLIR and CLQA using available linguistic resources and NLP tools - our participation in NTCIR-5. Talk at the meeting of [UNT Language and Information Technologies Research Group](#), April 1, 2005.
- Chen, Jiangping. (2004). UNT at TREC 2004: question answering combining multiple evidences. Poster presented at *2004 Text Retrieval Conference (TREC)*, Gaithersburg, MD, November, 16-19.
- Chen, Jiangping (2004). Please give me the answers, not documents! - Automatic Question Answering (QA) using Natural Language Processing (NLP). *Informal Talk* at the School of Library and Information Sciences, University of North Texas. March 31, 2004.
- Diekema, Anne, Chen, Jiangping and Liddy, Elizabeth D. (2003). Standard Connection. Poster presented at 2003 National Science Digital Library All Projects Meeting, Washington, DC., November 2003.
- Chen, Jiangping and Diekema, Anne. (2003). Current Progress in Automatic Question Answering: Challenge or Opportunity? Presented at ASIST Annual Conference, Long Beach, California. October, 2003.
- Chen, Jiangping. (2003). Award-winning dissertation proposal: the construction, use, and evaluation of a lexical knowledge base for English-Chinese cross language information retrieval: Presented at ASIS&T Annual Conference, Long Beach, California. October, 2003.
- Chen, Jiangping (2003). Research on the lexical knowledge base approach for cross language information retrieval. Poster presented at 2003 ALISE Annual Conference, Philadelphia, January, 2003.
- Chen, Jiangping; Diekema, Anne and Liddy, Elizabeth D. (2002). Standard Connection. Poster presented at 2002 National Science Digital Library All Projects Meeting, Washington, DC., November 2002.
- Chen, Jiangping; Diekema, Anne; Yilmazel, Ozgur and Liddy, Elizabeth D. (2002). Automatic question and answering in aerospace domain. Presented at the 4th International VRD Conference, Chicago, Illinois, November 2002.
- Zhang, Ping and Chen, Jiangping (1999). What is Web Usability Anyway? -A Conceptual Study on Usability in the Web Environment. presented at Mid-year conference of ASIS, May 1999.

Technical Reports

- Chen, Jiangping; Li, Fei; and Yalcinkaya, Ramazan. (2007). The Use of Resources for Intelligent Information Access – A Survey on Resource Acquisition and Sharing. Available at: <http://max.lis.unt.edu/~jchen/IIA/study3-report.pdf>.

Chen, Jiangping. (2002). English-Chinese Cross Language Patent Retrieval System: Project Report. Center for Natural Language Processing, Syracuse University.

Liu, Xiaoyong; Diekema, Anne; Chen, Jiangping; Wang, Hudong. (2000). "CNLP TREC9 Q&A Efforts: A Summary of Approach And System Documentation." Final report to Center for Natural Language Processing, Syracuse University

Luo, Zengyu; Chen, Jiangping (1997). A new approach to document organization. Research report. Information Institute of the Ministry of Electronics Industry, Report Number: QB97-004.

Professional and Academic Association Membership

- 1988 – 1998 [China Society for Scientific and Technical Information \(CSSTI\)](#)
- 1999 - [American Society for Information Science & Technology \(ASIS&T\)](#)
- 2002 - [Association for Computing Machinery \(ACM\)](#)
- 2003 - [Association for Library and Information Science Education \(ALISE\)](#)
- 2006 [Texas Library Association \(TLA\)](#)
- 2007 - [The American Library Association \(ALA\)](#)
- 2007 - [Library and Information Technology Association \(LITA\)](#)
- 2007 - [ALA International Relations Round Table \(IRRT\)](#)

Awards

- 2007 Junior Faculty Summer Research Fellowship, University of North Texas
- 2006 Junior Faculty Summer Research Fellowship, University of North Texas
- 2005 Junior Faculty Summer Research Fellowship, University of North Texas
- 2003 ISI/ASIS&T Doctoral Dissertation Proposal Award
- 2000-2001 Graduate Fellowship, Syracuse University
- 1998-1999 Graduate Fellowship, Syracuse University

Grants

- 2006-2007 PI, "Developing a Resource Repository for Intelligent Information Access", Faculty Research Grant, University of North Texas, \$5,000.
- 2007 PI, (Co-PI: Dr. William E. Moen), "Addendum No.2: Authors@Your Library Web Database System Hosting and Maintenance", Association of American Publishers, \$2,000.

- 2006 PI, (Co-PI: Dr. William E. Moen), "Addendum No.1: Batch Loading System for Authors@Your Library Web Database System", Association of American Publishers, \$1,500.
- 2006 PI, "The development of 'Introduction to Intelligent Information Access' as a blended course", Learning Enhancement Grant, University of North Texas, \$8,000.
- 2005-2006. Consultant. Health Information Outreach to the Chinese Population in the Dallas/Fort Worth Metroplex: Teaching Chinese Health Consumers How to Find Quality Health Information on the Internet. National Network of Libraries of Medicine/South Central Region. \$44,815 (\$24,466 from NLM and \$20,349 from UNT).
- 2005 PI, (Co-PI: Dr. William E. Moen), "Authors@Your Library Web Database System", Association of American Publishers, \$11, 220.
- 2005 PI, "The development of SLIS 5970 Database Modeling for Information Professionals as a Web-based Course". Learning Enhancement Grant, University of North Texas, \$6,748.
- 2005 PI, "Combining Web Mining and Information Extraction for Cross Language Information Retrieval", Junior Faculty Research Grant, University of North Texas, \$3,000.
2004. PI (With Yan Wu). "TREC Question Answering and System Evaluation". ISDOC Mini-Grant. \$2,000

Grant Proposals Submitted

- 2007 PI, "Information Access across Languages: Users, Challenges, and Possible Solutions" submitted to IMLS 21st Century Laura Bush LIS Faculty Early Career Program. \$351,460.
- 2007 PI, "Developing a Digital Resource Repository for Intelligent Information Access" proposal submitted to NSF, \$408,688. Not Funded.
- 2006 PI, "English-Chinese Cross-Language Information Retrieval System" sub-contract to "An Adaptive Chinese Tutoring System for English Speakers" – a proposal submitted to NSF (PI: Dr. Yunbin Deng from Intelligent Automation, Inc.) \$33,000. Not Funded.
- 2005 PI, "CAREER: Cross Language Question Answering Combining Lexical, Syntactic, and Semantic Evidences with Maximum Entropy Models" submitted to NSF, not funded.
- 2004 Co-PI, (PI: Dr. Anne R. Diekema, Co-PI: Dr. Elizabeth D. Liddy), "REFLEX-LEX: A Methodology for Combinatory Lexical Resources" in respond to Broad Agency Announcement (BAA) 04-01-FH, not funded.

Service to the Profession

- 2007 Committee member, LITA 2008 National Forum,
- 2007 Reviewer. *Information Processing and Management*.
- 2006 - 2007 Reviewer. Human Language Technology conference - North American chapter of the Association for Computational Linguistics annual meeting (HLT-NAACL) 2007
- 2007 Book Review. Database Systems: A Practical Approach to Design, Implementation, and Management" Fourth edition published by Addison-Wesley.
- 2006 - Referee, *Journal of the American Society for Information Science and Technology*
- 2006 Program Committee. WISE (The Seventh International Conference on Web Information Systems Engineering <http://www.skise.org:8080/wise06/>) Workshop on Web Information Access and Digital Library
- 2005 Reviewer, Conference on Design for User eXperience (dux2005), Fort Mason, San Francisco, CA.
- 2004 Referee, *Journal of Natural Language Engineering*, Special issue on Parallel Texts
- 2004 Referee, ITIE (Information Technology in Education) 2004 International Conference
- 2004 Student Chapter of the Year, ASIS&T

Services to the University of North Texas (UNT)

- 2007 Senator, Faculty Senate
- 2007 Member, University Writing Committee
- 2005-2006 Faculty Advisor, UNT & TWU Chinese Students and Scholars Association (CSSA)

Services to the School of Library and Information Sciences at UNT

- Executive Committee, Member, 2007-2008
- Resources and Facilities Committee, Member, 2007-2008
- Grade Appeal Ad Hoc Committee, Chair, 2007
- Committee on Committees, Chair, 2006-2007
- Member, 2005-2006
- Curriculum Committee, Chair, 2006-2007
- Co-Chair, 2005-2006
- Co-Chair, 2004-2005

Jiangping Chen

Capstone Committee, Member, 2007-2008

Member, 2006-2007

COA Curriculum Working Group, Co-Chair, 2005-2006

Co-Chair, 2004-2005

COA Student Working Group, Member, 2005-2006

Member, 2004-2005

Information Technology Knowledge & Skills Committee, Member, 2004-2005

Services to the School of Information Studies, Syracuse University

Search Committee, Member, 2002 - 2003

Ph.D. Admission Committee, Member, 1999 - 2000