Curriculum Vitae

Jiangping Chen, Ph.D.
Assistant Professor
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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

Thesis:

Building an Automatic Indexing Expert System for Accessing Scientific Documents

Advisor: Prof. Jingfang Xue

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

Jiangping Chen

Research Interests

Intelligent Information Access: Cross-Language Information Retrieval, Automatic Question Answering

Natural Language Processing: Information Extraction, Chinese Information Processing

Digital Libraries: Automatic Metadata Generation, Automatic Classification and Clustering

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

Teaching

SLIS 5970.001/002/005: Data Modeling for Information Professionals

SLIS 5717.001: Dynamic WWW Control Structures

SLIS 5900: Special Problems on Cross Language Information Retrieval

SLIS 5910.704: Information Retrieval Interaction

SLIS 6900.712: Special Problems on Automatic Question Answering

SLIS 6900.710: Special Problems on Cross Language Information Retrieval

Publications

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; 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.qa.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.

Chen, Jiangping (2003). The construction, use, and evaluation of a lexical knowledge base for English-Chinese cross language information retrieval. PhD dissertation. Syracuse University.

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.

Conference Presentations, Talks, and Posters

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.

Last Updated: 12/29/05

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. (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)

Jiangping Chen

2003 -

Awards

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   PI, "The development of 'Introduction to Intelligent Information Access' as a blended course", Learning Enhancement Grant, University of North Texas, $8,000.

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 and Design 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.

Proposals Submitted but 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

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

Service to the Organization

2005-2006 Faculty Advisor, UNT & TWU Chinese Students and Scholars Association

2005-2006 Committee on Committees, School of Library and Information Sciences, UNT

2005-2006 Curriculum Committee, School of Library and Information Sciences, UNT

2004-2005 Co-Chair, Curriculum Committee, School of Library and Information Sciences, UNT

2004-2005 Co-Chair, COA Curriculum Working Group, School of Library and Information Sciences, UNT

2004-2005 COA Student Working Group, School of Library and Information Sciences, UNT

2004 Information Technology Knowledge & Skills Committee, School of Library and Information Sciences, UNT

2002 - 2003   Search Committee, School of Information Studies, Syracuse University

1999 - 2000   Ph.D. Admission Committee, School of Information Studies, Syracuse University