Curriculum Vitae

Jianqiang Wang   jw254@buffalo.edu
536 Baldy Hall   (716) 645-1478
Buffalo, NY 14260   http://www.buffalo.edu/~jw254

Education

Ph.D.	University of Maryland, Library and Information Services	2005
M.S.	Institute of Scientific & Technical Information of China Information Science	1995
B.S.	Xi'an Jiaotong University (China), Applied Physics	1990

Employment History

Assistant Professor	Department of Library and Information Studies, University at Buffalo, SUNY	8/2006-present
Faculty Research Associate	Institute for Advanced Computer Studies, University of Maryland	1/2006-8/2006
Adjunct Instructor	College of Information Studies, University of Maryland	2/2006-5/2006
Graduate Research Assistant	Institute for Advanced Computer Studies, University of Maryland	9/1998-12/2005
Graduate Teaching Assistant	College of Information Studies, University of Maryland	2/2004-5/2004
Student Researcher	Center for Language and Speech Processing, Johns Hopkins University	7/2000-9/2000
Product Manager	Computer Network Center, Wanfang Data Company (China)	6/19968/1998
Library Assistant	Paul Wasserman Library, University of Maryland	9/1995-5/1996
Electronic Engineer	Shanxi Radio Factory (China)	8/1990-8/1993

Honors & Awards

Beta-Phi-Mu Eugene Garfield Doctoral Dissertation Fellowship, 2004.

Graduate Research Assistantship, Institute for Advanced Computer Studies, University of Maryland, 1998-2005.

Doctoral Student to Association for Library and Information Science Education (ALISE) annual conference, San Diego, California, January 6-9, 2004.

Honorable Mention (3rd place): "Translingual Search for Information in Surprise Languages," doctoral student poster session, ALISE annual conference, San Diego, California, January 6-9, 2004.

Doctoral Student Travel Support to the 1st NTCIR Workshop, Tokyo, Japan, August 30 - September 1, 1999.

PUBLICATIONS

Research Area: *Cross-Language Information Retrieval*

Book Chapter

He, D., & Wang, J. (2009). Cross-language information retrieval. In A. Goker & J. Davies (Eds.), *Information Retrieval: Searching in the 21st Century*, John Wiley and Sons, 2009.

Refereed Journal Papers

Wang, J., & Oard, D. W. (2011). Matching meaning for cross-language information retrieval. *Information Processing and Management*. doi:10.1016/j.ipm.2011.09.003.

Oard, D. W., He, D., & Wang, J. (2008). User-assisted query translation for cross-language information retrieval. *Information Processing and Management*, 44(1), 181-211.

Oard, D. W., Gonzalo, J., Sanderson, M., Lopez-Ostenero, F., & Wang, J. (2004). Interactive cross-language document selection. *Information Retrieval*, 7(1-2), 205-228.

Meng, H. M., Chen, B., Khudanpur, S., Levow, G. A., Lo, W. K., Oard, D. W., . . . Wang, J. (2004). Mandarin-English Information (MEI): investigating translingual speech retrieval. *Computer Speech and Language*, 18(2), 163-179.

He, D., Oard, D. W., Wang, J., Luo, J., Demner-Fushman, D., Darwish, D., . . . Leuski, A. (2003). Making MIRACLEs: interactive translingual search for Cebuano and Hindi. *ACM Transaction on Asian Language Information Processing*, 2(3), 219-244.

Ma, H., Karagol-Ayan, B., Doermann, D., Oard, D. W., & Wang, J. (2003). Parsing and tagging of bilingual dictionaries. *Traitement Automatique Des Langues*, 44(2), 125-150.

Refereed Conference and Workshop Papers

Wang, J. & Oard, D. W. (2007). CLEF 2006 CL-SR at Maryland: English and Czech. In P. Clough et al. (Eds.), *Evaluation of Multilingual and Multi-modal Information Retrieval* (pp. 786-793). Springer's Lecture Notes in Computer Science, Vol. 4730.

Oard, D. W., Wang, J., Jones, G. J. F., White, R. W., Pecina, P., Soergel, D., . . . Shafran, I. (2007). Overview of the CLEF-2006 Cross-Language Speech Retrieval track. In P. Clough et al. (Eds.), *Evaluation of Multilingual and Multi-modal Information Retrieval* (pp. 744-758). Springer's Lecture Notes in Computer Science, Vol. 4730.

Ircing, P, Pecina, P., Oard, D. W., Wang, J., White, R. W., & Hoidekr, J. (2007). Information retrieval test collection for searching spontaneous Czech speech. In V. Matoussek & P. Mautner (Eds.), *Proceedings of the 10th International Conference on Text, Speech, and Dialogue* (pp. 439-446). Springer-Verlag Berlin/ Heidelberg.

Wang, J., & Oard, D. W. (2006a). Combining bidirectional translation and synonymy for cross-language information retrieval. In S. Dumais et al. (Eds.), *Proceedings of the 29th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval* (pp. 202-209). Association for Computing Machinery, New York, NY, USA.

Wang, J. & Oard, D. W. (2006b). CLEF 2005 CL-SR at Maryland: document and query expansion using side collections and thesauri. In F. Gey et al. (Eds.), *Accessing Multilingual Information Repositories* (pp. 800-809). Springer's Lecture Notes in Computer Science, Vol. 4022.

He, D., Wang, J., Luo, J., & Oard, D. W. (2005). Summarization Design for Interactive Cross-Language Question Answering. In P. Clough et al. (Eds.), *Multilingual Information Access for Text, Speech, and Images* (pp. 348-362). Springer's Lecture Notes in Computer Science, Vol. 3491.

Oard, D. W., Soergel, D., Doermann, D., Huang, X., Murray, G. C., Wang, J., . . . Strassel, S. (2004). Building an information retrieval test collection for

spontaneous conversational speech. In K. Jarvelin et al. (Eds.), *Proceedings of the 27th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval* (pp. 41-48). Association for Computing Machinery, New York, NY, USA.

Dorr, B. J., He, D., Luo, J., Oard, D. W., Schwartz, R., Wang, J., & Zajic, D. (2004). iCLEF 2003 at Maryland: translation selection and document selection. In J. Gonzalo et al. (Eds.), *Comparative Evaluation of Multilingual Information Access Systems* (pp. 435-449). Springer's Lecture Notes in Computer Science, Vol. 3237.

He, D., Wang, J., Oard, D. W., & Nossal, M. (2003a). User-assisted query translation for interactive CLIR. In J. Callan et al. (Eds.), *Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval* (pp. 461), Association for Computing Machinery, New York, NY, USA.

He, D., Wang, J., Oard, D. W., & Nossal, M. (2003b). Comparing user-assisted and automatic query translation. In M. Braschler et al. (Eds.), *Advances in Cross-Language Information Retrieval* (pp. 400-415). Springer's Lecture Notes in Computer Science, Vol. 2785.

Wang, J., & Oard, D. W. (2002). iCLEF 2001 at Maryland: comparing term-for-term gloss and MT. In M. Braschler et al. (Ed.), *Evaluation of Cross-Language Information Retrieval Systems* (pp. 336-353). Springer's Lecture Notes in Computer Science, Vol. 2406.

Meng, H. M., Chen, B., Grams, E., Khudanpur, S., Lo, W. K., Levow, G. A., . . . Wang, J. (2001). Mandarin-English information (MEI): investigating translingual speech retrieval. *Proceedings of the First International Conference on Human Language Technology (HLT) Research* (doi:10.3115/1072133.1072202). Association for Computational Linguistics, Stroudsburg, PA, USA

Oard, D. W., & Wang, J. (1999a). Effects of term segmentation on Chinese/English cross language information retrieval. In *Proceedings of the 6th International Symposium on String Processing and Information Retrieval & International Workshop on Groupware (*pp. 149-157)*, IEEE Computer Society, Washington D.C., USA.

Non-refereed Papers

Oard, D. W. & Wang, J. (2001). NTCIR-2 ECIR experiments at Maryland: comparing structured queries and balanced translation. In *Proceedings of the Second NTCIR Workshop on Research in Chinese & Japanese Text Retrieval and Text Summarization.* Retrieved on February 11, 2012 from http://research.nii.ac.jp/ntcir/workshop/OnlineProceedings2/jianqiang.pdf.

Oard, D. W. & Wang, J. (1999b). NTCIR CLIR experiments at Maryland. In *Proceedings of the First NTCIR Workshop on Research in Japanese Text Retrieval and Term Recognition*. Retrieved on February 11, 2012 from http://research.nii.ac.jp/ntcir/workshop/OnlineProceedings/032-IR-Oard.pdf.

Oard, D. W., Wang, J., Lin, D., & Soboroff, I. (1999). TREC-8 experiments at Maryland: CLIR, QA and Routing. In E. M. Voorhees & D. K. Harman (Eds.), *Proceedings of the Eighth Text Retrieval Conference*. Retrieved on February 11, 2012 from http://trec.nist.gov/pubs/trec8/papers/trec8-umass.pdf.

*Research Area: **E-Discovery***

Refereed Conference and Workshop Papers

Wang, J. (2011). Accuracy, agreement, speed, and perceived difficulty of users' relevance judgments for e-discovery. *The 34th ACM SIGIR Conference Information Retrieval for E-Discovery (SIRE) Workshop*. Retrieved on February 11, 2012 from http://www.umiacs.umd.edu/~oard/sire11/papers/wang2.pdf.

Wang, J., & Soergel, D. (2011). A user study of relevance judgments for e-discovery. In *Proceedings of the 73rd ASIS&T Annual Meeting on Navigating Streams in an Information Ecosystem* (74:1-74:10). American Society for Information Science, Silver Springs, MD, USA. Retrieved on February 11 2012 from http://dl.acm.org/citation.cfm?id=1920331.1920438.

Non-refereed Conference Papers

Wang, J., Sun, Y., & Thompson, P. (2010). TREC 2009 at the University at Buffalo: interactive search of Enron emails. In E. M. Voorhees & L. P. Buckland (Eds.), *Proceedings of the Eighteenth Text Retrieval Conference*. Retrieved on Feburary 11, 2012 from http://trec.nist.gov/pubs/trec18/papers/ubuffalo.LEGAL.pdf.

Wang, J., Sun, Y., Mukhtar, O., & Srihari, R. (2009). TREC 2008 at the University at Buffalo: Legal and Blog track. In E. M. Voorhees & L. P. Buckland (Eds.), *Proceedings of the Seventeenth Text Retrieval Conference.* Retrieved on February 11, 2012 from http://trec.nist.gov/pubs/trec18/papers/ubuffalo.LEGAL.pdf.

Ruiz, M. E., Sun, Y., Wang, J., & Liu., H. (2008). Exploring traits of adjectives to predict polarity opinion in BLOGS and semantic filters in genomics. In E. M. Voorhees & L. P. Buckland (Eds.), *Proceedings of the Sixteenth Text Retrieval Conference*. Retrieved on February 11, 2012 from http://trec.nist.gov/pubs/trec16/papers/unorth-texas.blog.final.pdf.

Oard, D. W., Elsayed, T., Wang, J., Wu, Y., Zhang, P., Abels, E., . . . & Soergel, D. (2007). TREC-2006 at Maryland: Blog, Enterprise, Legal and QA tracks. In E. M. Voorhees & L. P. Buckland (Eds.), *Proceedings of the Fifteenth Text Retrieval*

Conference. Retrieved on February 11, 2012 from
http://trec.nist.gov/pubs/trec15/papers/umd.blog.ent.legal.qa.final.pdf.

GRANTS

Principal Investigator (Co-PI: Dr. Ying Sun), *Reading Lawyers' Mind: Technological Implications for E-Discovery*, Baldy Center for Law and Social Policy, University at Buffalo, 2009-2010, $1,800/Funded.

Principal Investigator (Co-PI: Dr. Ying Sun), *Improving Search Technology for Legal E-Discovery*, UB 2020 Scholars Fund, University at Buffalo, 2009-2010, $8,700/Not Funded.

Co-Principal Investigator (PI: Dr. Rohini Srihari, Co-PI: Dr. Ying Sun), *Modeling Sentence Level Semantics for Text Mining*, UB 2020 Interdisciplinary Research Development Fund (IRDF), University at Buffalo, 2009-2010, $45,806/Not Funded.

Principal Investigator (Co-PI: Dr. Ying Sun), Legal Reasoning and Relevance Judgment for E-Discovery, Baldy Center for Law and Social Policy, University at Buffalo, 2010-2011, $1,920/Not Funded.

PRESENTATIONS

Research paper presentation, "Accuracy, Agreement, Speed, and Perceived Difficulty of Users' Relevance Judgments for E-Discovery," at *the 34th ACM SIGIR Conference Information Retrieval for E-Discovery (SIRE) Workshop*, Beijing, China, July 28, 2011.

Research paper presentation, "A User Study of Relevance Judgments for E-Discovery," at *the 73rd ASIS&T Annual Meeting on Navigating Streams in an Information Ecosystem*, Pittsburgh, PA, October 26, 2010.

Research paper presentation, "Combining Specific Queries and Generic Queries for E-Discovery," at *the Eighteenth Text Retrieval Conference*, Gaithersburg, Maryland, November 17-20, 2009.

Invited research presentation, "TREC Legal Track at the University at Buffalo," at *the Seventeenth Text Retrieval Conference E-Discovery Workshop*, Gaithersburg, Maryland, November 18-20, 2008.

½ day tutorial, "Cross-Language Information Access," at *the 30th international ACM SIGIR conference on Research and development in Information Retrieval*, July 23, 2007, Amsterdam, Netherlands.

Research paper presentation, "UMD at TREC Legal: Comparing Boolean and Ranked Retrieval," at *the Fifteenth Text Retrieval Conference*, Gaithersburg, Maryland, November 14-17, 2006.

Research paper presentation, "Combining Bidirectional Translation and Synonymy for Cross-Language Information Retrieval," at *the 29th International ACM SIGIR conference on Research and development in Information Retrieval*, Seattle, Washington, August 6-11, 2006.

Research project presentation, "Initial IR Experiments for the MALACH Project," at *the U.S. National Science Foundation Site Visit*, June 14, 2004.

Invited research presentation, "Supporting Interactive Exploration of Foreign-Language Collections," at *the 19th HCI Annual Symposium and Open House*, College Park, Maryland, May 30-31, 2002.

Invited research presentation, "Cross-language information retrieval with Asian languages," at *the Institute of Software, Chinese Academy of Sciences*, Beijing, China, August 13, 2002.

Invited research presentation, "Cross-Language Information Seeking Behavior," at *the 2nd Workshop on Interactive Cross-Language Information Retrieval*, College Park, Maryland, June 1, 2001.

Invited research presentation, "Cross-language Retrieval from Mandarin Speech: the MEI Project," at *the Computational Linguistics & Information Processing Lab Colloquium*, University of Maryland, College Park, October 11, 2000.

Invited research presentation, "Exploiting User Interaction for Multilingual Information Access," at *the 1st Workshop on Interactive Cross-Language Information Retrieval*, College Park, Maryland, June 1, 2000.

COURSES

LIS506 – Introduction to Information Technology: 13 sections, 2006-2012
LIS561 – Information Systems Analysis and Design: 6 sections, 2007-2011
LIS563 – Digital Libraries: 2 sections, 2008-2009
LIS569 – Database Systems: 1 section, 2012
INF507 – Survey of Information Science and Services: 1 section, 2006

STUDENT ADVISEMENT/SUPERVISION

Master of Library Science (academic advisement): 55 students in total (approximately 5 per semester with degrees conferred), 2006-2012

Computer Science (research project supervision): Ashok Narasimhan (PhD, 2009), Minu Manakkal Seetharaman (MS, expected 2012), Omar Mukhtar (MS, 2008)

SERVICE

Professional Service

Grant proposal panelist, National Science Foundation (NSF), 2008

Reviewer, Information Processing and Management (IP&M), 2007, 2011

Reviewer, Electronic Library, 2011

Reviewer, ACM Special Interest Group on IR (SIGIR) Conference, 2007, 2008

Reviewer, ACM Transactions on Asian Language and Information Processing (TALIP), 2004

Reviewer, ACM Conference on Information and Knowledge Management (CIKM), 2008

Service to the University at Buffalo

Associated Faculty, Asian Study Program, College of Arts & Sciences, 2009-present

Member, Master of Arts in Informatics Program Committee, University at Buffalo, 2007-2008

Service to the Graduate School of Education

Member, Graduate Degrees Committee, 2007-2009, 2011-present

Member, Technology Committee, 2009-present

Service to the Department of Library and Information Studies

Technology Committee, 2009-present

Member/Chair, Admissions & Academic Standards Committee, 2006-2009, 2011-present

Member, Department Chair Search Committee, 2009

PROFESSIONAL MEMBERSHIPS

Association for Computing Machinery (ACM)

American Society for Information Science and Technology (ASIST)