Huimin (Min) Zhao

Professor, Information Technology Management
Sheldon B. Lubar College of Business
University of Wisconsin-Milwaukee
3202 N. Maryland Ave., P. O. Box 742, Milwaukee, WI 53201-0742
Tel: (414)229-6524, Fax: (414)229-5999, Email: hzhao@uwm.edu

Education

Ph.D., Management Information Systems (2002)
Eller College of Management, The University of Arizona, Tucson, Arizona, USA

Master of Engineering, Automation (1993)
Department of Automation, Tsinghua University, Beijing, China

Bachelor of Engineering, Automation (1990)
Department of Automation, Tsinghua University, Beijing, China

Positions Held

Professor, Sheldon B. Lubar College of Business, University of Wisconsin-Milwaukee, since 2013.

Associate Professor, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2008-2013.

Assistant Professor, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2002-2008.

Teaching Assistant, Department of Automation, Tsinghua University, China, 1996-1997.

Software Engineer, Huayi Software System Engineering Co., Ltd., China, 1993-1996.

Other Adjunct/Visiting Positions Held

Adjunct Professor, School of Management, Hefei University of Technology, China, since 2017.

Adjunct Associate Professor, Clinical & Translational Science Institute, Medical College of Wisconsin, since 2013.

Visiting Scholar, Institute of Automation, Chinese Academy of Sciences, January-July, 2010.

Research Awards

Church Mutual Insurance Faculty Scholar in ITM Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2022.

Church Mutual Insurance Faculty Scholar in ITM Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2021.

Church Mutual Insurance Faculty Scholar in ITM Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2020.

Izzet Sahin Research Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2019.

Church Mutual Insurance Faculty Scholar in ITM Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2018-2020.

Dean's Research Fellowship Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2017.

Dean's Research Fellowship Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2016.

Dean's Research Fellowship Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2015.

Dean's Research Fellowship Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2014.

Dean's Research Fellowship Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2013.

Dean's Research Fellowship Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2012.

Business Advisory Council Research Fellow Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2011.

Dean's Research Fellowship Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2010.

Izzet Sahin Research Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2009.

US Bank Research Fellow Award, Sheldon B. Lubar School of Business, University of

Wisconsin-Milwaukee, 2007-2009.

Graduate School Research Committee Award, University of Wisconsin-Milwaukee, 2006.

Business Advisory Council Summer Research Fellowship Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, 2005.

Journal Publications

Wang, Z., Jiang, C., & **Zhao, H.** (2022). Know Where to Invest: Platform Risk Evaluation in Online Lending. *Information Systems Research*, 33(3), 765-783. (https://doi.org/10.1287/isre.2021.1083)

Zahedi, F.M., **Zhao, H.,** Sanvanson, P., Walia, N., Jain, H. and Shaker, R. (2022). My Real Avatar has a Doctor Appointment in the Wepital: A System for Persistent, Efficient, and Ubiquitous Medical Care. *Information and Management*, 59(8), article 103706. (https://doi.org/10.1016/j.im.2022.103706)

Gopukumar, D., Ghoshal, A., & **Zhao, H.** (2022). A Machine Learning Approach for Predicting Readmission Charges Billed by Hospitals. *JMIR Medical Informatics*, 10(8), e37578. (http://dx.doi.org/10.2196/37578)

Bao, L., Wang, Z., & **Zhao, H**. (2022). Who Said What: Mining Semantic Features for Success Prediction in Reward-Based Crowdfunding. *Electronic Commerce Research and Applications,* 53, 101156. (https://doi.org/10.1016/j.elerap.2022.101156)

Liu, Z., **Zhao, H.**, Fang, X. & Huo, D. (2022). Abdominal Computed Tomography Localizer Image Generation: A Deep Learning Approach. *Computer Methods and Programs in Biomedicine*, 214, 106575. (https://doi.org/10.1016/j.cmpb.2021.106575)

Towhidi, G., Sinha, A. P., Srite, M., & **Zhao, H.** (2022). Trust Decision-Making in Online Social Communities: A Network-Based Socio-Psychological Model. *Journal of Computer Information Systems*, 62(1), 153-163. (https://doi.org/10.1080/08874417.2020.1744200)

Wang, G., Chen, G., **Zhao, H.**, Zhang, F., Yang, S., & Lu, T. (2021). Leveraging multisource heterogeneous data for financial risk prediction: a novel hybrid-strategy-based self-adaptive method. *MIS Quarterly*, 45(4), 1949-1998. (https://doi.org/10.25300/MISQ/2021/16118)

France, S. L., Shi, Y., Vaghefi, M. S., & **Zhao, H**. (2021). Online Video Channel Management: An Integrative Decision Support System Framework. *International Journal of Information Management,* 59, 102244. (https://doi.org/10.1016/j.ijinfomgt.2020.102244)

Wang, Z., Jiang, C., **Zhao, H.,** & Ding, Y. (2020). Mining Semantic Soft Factors for Credit Risk Evaluation in Peer-to-Peer Lending. ***Journal of Management Information Systems,*** 37(1), 282-308. (https://www.tandfonline.com/doi/abs/10.1080/07421222.2019.1705513)

Gu, D., Su, K., & **Zhao, H**. (2020). A case-based ensemble learning system for breast cancer recurrence prediction. ***Artificial Intelligence in Medicine***, 107, 101858. (https://doi.org/10.1016/j.artmed.2020.101858)

Lee, E. J. & **Zhao, H.** (2020). Deriving Topic-related and Interaction Features for Predicting Top Attractive Reviews for a Specific Business Entity. ***Journal of Business Analytics***, 3(1), 17-31. (https://doi.org/10.1080/2573234X.2020.1768808)

N. Shimpi, S. McRoy, **H. Zhao**, M. Wu, & A. Achary. (2020). Development of a Periodontal Risk Assessment Model for Primary Care Providers in an Interdisciplinary Setting. ***Technology and Health Care***, 28(2),143-154 (https://doi.org/10.3233/THC-191642).

Chen, R., Liang, C., Gu, D., & **Zhao, H.** (2020). A Competence-Time-Quality Scheduling Model of Multi-skilled Staff for IT Project Portfolio. ***Computers & Industrial Engineering***, 139, Article 106183***.*** (https://doi.org/10.1016/j.cie.2019.106183)

Liu, Y., Jiang, C., & **Zhao, H. (**2019**).** Assessing Product Competitive Advantages from the Perspective of Customers by Mining User-Generated Content on Social Media. ***Decision Support Systems***, 123, Article 113079***.*** (https://doi.org/10.1016/j.dss.2019.113079)

Jiang, C., Wang, Z., & **Zhao, H.** (2019). A Prediction-Driven Mixture Cure Model and Its Application in Credit Scoring. ***European Journal of Operational Research***, 277(1), 20-31***.*** (https://doi.org/10.1016/j.ejor.2019.01.072)

Su, P., Zeng, D., & **Zhao, H.** (2019). Behavior Action Mining. ***IEEE Access***, 7, 19954-19964. (https://doi.org/10.1109/ACCESS.2019.2896141)

Deng, S., Huang, Z., Sinha, A.P., & **Zhao, H. (**2018). The Interaction between Microblog Sentiment and Stock Return: An Empirical Examination. ***MIS Quarterly***, 42(3), 895-918. (https://doi.org/10.25300/MISQ/2018/14268)

Liu, Y., Jiang, C., & **Zhao, H.** (2018). Using Contextual Features and Multi-View Ensemble Learning in Product Defect Identification from Online Discussion Forums. ***Decision Support Systems***, 105, 1-12. (https://doi.org/10.1016/j.dss.2017.10.009)

Gu, D. Liang, C., & **Zhao, H.** (2017). A case-based reasoning system based on weighted heterogeneous value distance metric for breast cancer diagnosis. ***Artificial Intelligence in Medicine,*** 77, 31-47. (http://dx.doi.org/10.1016/j.artmed.2017.02.003)

Deng, S., Sinha, A.P., & **Zhao, H.** (2017). Resolving Ambiguity in Sentiment Classification: The Role of Dependency Features. *ACM Transactions on MIS,* 8(2-3), Article 4. (http://dx.doi.org/10.1145/3046684)

Deng, S., Sinha, A.P., & **Zhao, H.** (2017). Adapting Sentiment Lexicons to Domain-Specific Social Media Texts. *Decision Support Systems*, 94, 65–76. (http://dx.doi.org/10.1016/j.dss.2016.11.001)

France, S., Vaghefi, M., & **Zhao, H.** (2016). Characterizing Viral Videos: A Growth Curve Approach. *Electronic Commerce Research and Applications*, 19, 19-32. (http://dx.doi.org/10.1016/j.elerap.2016.07.002)

Yuan, Y., Zeng, D., **Zhao, H.**, & Li, L. (2015). Analyzing Positioning Strategies in Sponsored Search Auctions Under CTR-Based Quality Scoring. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 45(4), 688-701*.* (https://ieeexplore.ieee.org/document/6960033)

Chou, C.-H., Zahedi, F. M., & **Zhao, H.** (2014). Ontology-based Evaluation of Natural Disaster Management Websites: A Multi-Stakeholder Perspective. *MIS Quarterly*, 38(4), 997-1016*.*

Zahedi, F.M., **Zhao, H.**, Walia, N., Jain, H., Sanvanson, P., & Shake, R. (2014). Treating Patients' Real Avatars in the Virtual Medical Office-A New Approach to Providing Medical Care. *IEEE Intelligent Systems,* 29 (2), 67-70*.*

Ma, J., Zeng, D., **Zhao, H.,** & Liu, C. (2013). Cross-Correlation Measure for Mining Spatio-Temporal Patterns. *Journal of Database Management*, 24(2), 13-34*.* (https://www.igi-global.com/gateway/article/86282)

Su, P., Mao, W., Zeng, D., & **Zhao, H**. (2012). Mining Actionable Behavioral Rules. *Decision Support Systems,* 54(1), 142-152*.* (http://dx.doi.org/10.1016/j.dss.2012.04.013).

Huang, Z., **Zhao, H.**, & Zhu, D. (2012). Two Prediction-driven Approaches to Discrete Choice Prediction. *ACM Transactions on MIS*, 3(2), Article 9. (http://doi.acm.org/10.1145/2229156.2229159)*.*

Ma, J., Zeng, D., & **Zhao, H.** (2012). Modeling the Growth of Complex Software Function Dependency Networks. *Information Systems Frontiers*, 14(2), 301-315. (http://dx.doi.org/10.1007/s10796-010-9239-z).

Jain, H, Thao, C., & **Zhao, H.** (2012). Enhancing Electronic Medical Record Retrieval through Semantic Query Expansion. *Journal of Information Systems and e-Business Management*, 10(2), 165-181. (http://dx.doi.org/10.1007/s10257-010-0133-5).

Li, L., Zeng, D., & **Zhao, H.** (2012). Pure-Strategy Nash Equilibria of GSP Keyword Auction. ***Journal of the Association for Information Systems,*** 13(3), 57-87. (http://aisel.aisnet.org/cgi/viewcontent.cgi?article=1598&context=jais).

Sinha, A. P. & **Zhao, H.** (2011)**.** Tuning Expert Systems for Cost-Sensitive Decisions. ***Advances in Artificial Intelligence.*** (http://dx.doi.org/10.1155/2011/587285)

Zhao, H., Sinha, A. P., & Bansal, G. (2011). An Extended Tuning Method for Cost-Sensitive Regression and Forecasting. ***Decision Support Systems***, 51(3), 372-383. (http://dx.doi.org/10.1016/j.dss.2011.01.003)

Chou, C.-H., Zahedi, F. M., & **Zhao, H.** (2011). Ontology for Developing Websites for Natural Disaster Management: Methodology and Implementation. ***IEEE Transactions on Systems, Man, and Cybernetics: Part A***, 41(1), 50-62*.* (http://dx.doi.org/10.1109/TSMCA.2010.2055151).

Zhao, H. (2010). Attribute Matching across Overlapping Heterogeneous Data Sources Using the Mutual Information. ***Journal of Database Management***, 21(4), 91-110. (https://www.igi-global.com/article/matching-attributes-across-overlapping-heterogeneous/47421)

Chou, C.-H., Sinha, A. P., & **Zhao, H.** (2010). A Hybrid Attribute Selection Approach for Web Page Classification. ***Journal of the Association for Information Systems***, 11(9), 491-518.
(http://aisel.aisnet.org/cgi/viewcontent.cgi?article=1547&context=jais).

Chou, C.-H., Sinha, A. P., & **Zhao, H.** (2010). Commercial Internet Filters: Perils and Opportunities. ***Decision Support Systems***, 48(4), 521-530. (http://dx.doi.org/10.1016/j.dss.2009.11.002).

Soofi, E.S., **Zhao, H**., & Nazareth, D.L. (2010). Information Measures. ***Wiley Interdisciplinary Reviews: Computational Statistics***, 2(1), 75-86. (http://dx.doi.org/10.1002/wics.62).

Zhao, H., Sinha, A. P., & Ge, W. (2009). Effects of Feature Construction on Classification Performance: An Empirical Study in Bank Failure Prediction. ***Expert Systems with Applications***, 36(2), 2633-2644*.* (http://dx.doi.org/10.1016/j.eswa.2008.01.053).

Bansal, G., Sinha, A. P., & **Zhao, H.** (Winter 2009). Tuning Data Mining Methods for Cost-Sensitive Regression: A Study in Loan Charge-Off Forecasting. ***Journal of Management Information Systems***, 25(3), 315-336. (https://www.tandfonline.com/doi/abs/10.2753/MIS0742-1222250309)

Sinha, A. P. & **Zhao, H.** (2008). Incorporating Domain Knowledge into Data Mining Classifiers: An Application in Indirect Lending*. Decision Support Systems,* 46(1), 287-299. (http://dx.doi.org/10.1016/j.dss.2008.06.013).

Chou, C.-H., Sinha, A. P., & **Zhao, H.** (2008). A Text Mining Approach to Internet Abuse Detection. *Journal of Information Systems and e-Business Management*, 6(4), 419-439. (http://dx.doi.org/10.1007/s10257-007-0070-0).

Zhao, H. & Ram, S. (2008). Entity Matching across Heterogeneous Data Sources: An Approach Based on Constrained Cascade Generalization*. Data and Knowledge Engineering*, 66(3), 368-381*.* (http://dx.doi.org/10.1016/j.datak.2008.04.007).

Zhao, H. (2008). Instance Weighting versus Threshold Adjusting for Cost-sensitive Classification. *Knowledge and Information Systems*, 15(3), 321-334. (http://dx.doi.org/10.1007/s10115-007-0079-1).

Zhao, H. & Ram, S. (2007). Combining Schema and Instance Information for Integrating Heterogeneous Data Sources. *Data and Knowledge Engineering*, 61(2), 281-303*.* (http://dx.doi.org/10.1016/j.datak.2006.06.004).

Zhao, H. (2007). A Multi-objective Genetic Programming Approach to Developing Pareto Optimal Decision Trees. *Decision Support Systems,* 43(3), 809-826. (http://dx.doi.org/10.1016/j.dss.2006.12.011 .

Zhao, H. (2007). Semantic Matching across Heterogeneous Data Sources*. Communications of the ACM*, 50(1), 45-50. (http://portal.acm.org/citation.cfm?id=1188913.1188916).

Zhao, H., Sinha, A. P., & Ram, S. (2006). Elitist and Ensemble Strategies for Cascade Generalization. *Journal of Database Management*, 17(3), 92-107. (https://www.igi-global.com/article/elitist-ensemble-strategies-cascade-generalization/3359)

Zhao, H. and Soofi, E.S. (Spring 2006). Exploring Attribute Correspondences across Heterogeneous Databases by Mutual Information. *Journal of Management Information Systems,* 22(4), 305-336. (https://www.tandfonline.com/doi/abs/10.2753/MIS0742-1222220411)

Lin, Z., Ramanathan, S., & **Zhao, H**. (2005). Usage-based Dynamic Pricing of Web Services for Optimizing Resource Allocation. *Journal of Information Systems and e-Business Management,* 3(3), 221-242. (http://www.springerlink.com/content/b36718356063u385/).

Zhao, H. & Sinha, A. P. (2005). An Efficient Algorithm for Generating Generalized Decision Forests. *IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems*

and Humans. 35(5), 754-762.
(http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1495617).

Zhao, H. & Ram, S. (2005). Entity Identification for Heterogeneous Database Integration - A Multiple Classifier System Approach and Empirical Evaluation. *Information Systems,* 30(2), 119-132. (http://dx.doi.org/10.1016/j.is.2003.11.001).

Zhao, H. & Ram, S. (2004). Clustering Schema Elements for Semantic Integration of Heterogeneous Data Sources. *Journal of Database Management*, 15(4), 88-106. (https://www.igi-global.com/article/clustering-schema-elements-semantic-integration/3322)

Zhao, H. & Ram, S. (2004). Constrained Cascade Generalization of Decision Trees. *IEEE Transactions on Knowledge and Data Engineering,* 16(6), 727-739. (http://ieeexplore.ieee.org/xpls/abs_all.jsp?tp=&arnumber=1294893).

Jain, H., **Zhao, H**., & Chinta, N. R. (2004). A Spanning Tree Based Approach to Identifying Web Services. *International Journal of Web Services Research*, 1(1), 1-20. (https://www.igi-global.com/article/spanning-tree-based-approach-identifying/3034)

Conference Proceedings

Bao, L., Liu, Z., & **Zhao, H**. (2022). Reward-based Crowdfunding Success Prediction with Multimodal Data. In *Proceedings of the Americas Conference on Information Systems (AMCIS 2022)*, Minneapolis, MN**.**

Luo, J., Sinha, A. P., & **Zhao, H.** (2020). Location-sensitive Friend Recommendations in Online Social Networks. In *Proceedings of the Pacific Asia Conference on Information Systems (PACIS)*, Dubai, UAE.

France, S., Vaghefi, M., & **Zhao, H.** (2019). Viral Prediction for Online Video Channels: Macro and Adaptive Methods. In *Proceedings of the 52nd Academy of Marketing Conference*, London.

Deng, S., Sinha, A., & **Zhao, H.** (2015). Resolving Ambiguity in Sentiment Classification: The Role of Dependency Features. In *Proceedings of the 25rd Workshop on Information Technologies and Systems (WITS 2015)*, Dallas, Texas.

Deng, S., Sinha, A., **Zhao, H.**, & Wu, J. (2013). Learning Domain-Specific Lexicon for Sentiment Analysis of Social Media Texts. In *Proceedings of the 23rd Workshop on Information Technologies and Systems (WITS 2013)*, Milan, Italy. (*best paper award winner*).

Kwak, D.-H., Deng, S., Neely, D., & **Zhao, H.** (2012). What Should be Considered to Attract Charity Website Visitors? In ***Proceedings of the 11th Workshop on e-Business (WeB 2012)***, Orlando, FL.

Yuan, Y., Zeng, D., **Zhao, H.**, & Cheng, J. (2012). Polarization Trend in Sponsored Search Auctions. In ***Proceedings of the 22nd Workshop on Information Technologies and Systems (WITS 2012)***, Orlando, FL. (***best paper award winner***).

Li, L., Zeng, D., & **Zhao, H.** (2011). Fraud-sensitive Auction Mechanism for Sponsored Search Advertising. In ***Proceedings of the 21st Workshop on Information Technologies and Systems (WITS 2011)***, Shanghai, China (best paper award nominee)***.***

Su, P., Mao, W., Zeng, D., **Zhao, H**., & Wang, F.-Y. (2011). Mining Actionable Behavioral Rules from Group Data. In ***Proceedings of the 2011 IEEE International ISI Conference (ISI2011)***, Beijing, China.

Peng, J., Zeng, D., Liu, B., & **Zhao, H.** (2010). Exploring Unlabeled Items for Collaborative Filtering on Tagging Data. In ***Proceedings of the 20th Workshop on Information Technologies and Systems (WITS2010)***, St. Louis, Missouri.

Luo, Y., Zeng, D., Cao, Z., Zheng, X., Wang, Y., Wang, Q., & **Zhao, H.** (2010). Using multi-source web data for epidemic surveillance: A case study of the 2009 influenza A (H1N1) pandemic in Beijing. In ***Proceedings of the 2010 IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE SOLI'2010),*** Qingdao, Shandong, China.

Nie, C., Zeng, D., Zheng, X., Wang, F.-Y., & **Zhao, H.** (2010). Modeling Open Source Software Bugs with Complex Networks. In ***Proceedings of the 2010 IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE SOLI'2010),*** Qingdao, Shandong, China.

Chang, C., Zeng, D., & **Zhao, H.** (2010). Related Topic Network. In ***Proceedings of the 2010 IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE SOLI'2010),*** Qingdao, Shandong, China.

Peng, J., Zeng, D., & **Zhao, H.** (2010). Collaborative Filtering in Social Tagging Systems Based on Joint Item-Tag Recommendations. In ***Proceedings of the 19th ACM Conference on Information and Knowledge Management (CIKM2010)***, Toronto, Canada.

Sinha, A.P. & **Zhao**, **H.** (2008). Tuning Expert Systems for Cost-Sensitive Decisions. In ***Proceedings of the Third INFORMS Workshop on Data Mining and Health Informatics***, Washington, DC.

Ravvaz, K., Senk, P., Patrick, T.B., Coenen, A., Kim, T., **Zhao**, **H.,** Gaudioso, C., Jansen, K.R., Lang, N.M (2008). Mapping Nursing Concepts to Ontologies for Evidence-Based Nursing. In *Proceedings of AMIA 2008*, Washington, DC.

Thao, C., Jain, H, & **Zhao, H.** (2008). Semantic Query Expansion for Effective EMR Retrieval. In *Proceedings of the Second China Summer Workshop on Information Management (CSWIM 2008)*. Kunming, China. (*best paper award nominee*).

Zhao, H., Sinha, A. P., & Ram, S. (2008). An Empirical Study of the Effects of Principal Component Analysis on Symbolic Classifiers. In *Proceedings of the Fourteenth Americas Conference on Information Systems (AMCIS 2008)*. Toronto, Canada.

Chou, C.-H., Sinha, A. P., & **Zhao, H.** (2008). Designing Web Page Classifiers as Alternatives to Commercial Internet Filters. In *Proceedings of the Third International Conference on Design Science Research in Information Systems and Technology (DESRIST 2008)* (pp. 233-247). Atlanta, GA

Nazareth, D. L., Soofi, E. S., & **Zhao, H.** (2007). Visualizing Attribute Interdependencies Using Mutual Information, Hierarchical Clustering, Multidimensional Scaling, and Self-organizing Maps. In *Proceedings of the Fortieth Hawaii International Conference on System Sciences (HICSS 2007).*

Chou, C.-H., Sinha, A. P., & **Zhao, H.** (2006). Detecting Internet Abuse in the Workplace: A Text Mining Approach. In *Proceedings of the Fifth Workshop on e-Business (WeB 2006)*. Milwaukee, WI.

Huang, Z., **Zhao, H.,** Suzuki, Y., & Zhu, D. (2006). Predicting Airline Choices: A Decision Support Perspective and Alternative Approaches. In *Proceedings of the Twentieth Seventh International Conference on Information Systems* (*ICIS 2006)* (pp. 87-99). Milwaukee, WI.

Ram, S, Hwang, Y., & **Zhao, H**. (2005). A Clustering Based Approach for Facilitating Semantic Web Services Discovery. In *Proceedings of the Fifteenth Workshop on Information Technologies and Systems (WITS 2005)* (pp. 3-8). Las Vegas, NE.

Jain, H., **Zhao, H**., & Klemer, D. P. (2005). A Scheme for Symptom Based Retrieval of Electronic Medical Records. In *Proceedings of the Fourth Workshop on e-Business (WeB 2005)* (pp. 451-458). Las Vegas, NE.

Jain, H. & **Zhao, H**. (2004). Integrating Healthcare Information Systems Using Web Services and Vertical Industry Languages. In *Proceedings of the Third Workshop on e-Business (WeB 2004)* (pp. 460-468). Washington DC.

Lu, Y., Sinha, A. P., & **Zhao, H**. (2004). An Empirical Study of Cost-sensitive Classification in Campaign Management. In *Proceedings of the Tenth Americas Conference on Information Systems* (pp. 1926-1932). New York, NY.

Jain, H. & **Zhao, H**. (2004). Federating Heterogeneous Information Systems Using Web Services and Ontologies. In *Proceedings of the Tenth Americas Conference on Information Systems (AMCIS 2004)* (pp. 3799-3804). New York, NY.

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Lin, Z., **Zhao, H**., & Ramanathan, S. (2003). Pricing Web Services for Optimizing Resource Allocation - An Implementation Scheme. In *Proceedings of Second Workshop on e-Business (WeB 2003)* (pp. 185-191)*.* Seattle, Washington.

Jain, H., **Zhao, H**., & Chinta, N. R. (2003). A Spanning Tree Based Approach to Identifying Web Services. In *Proceedings of the First International Conference on Web Services (ICWS 2003)* (pp. 272-277)*.* Las Vegas, Nevada.

Zhao, H. & Ram, S. (2002). Applying Classification Techniques in Semantic Integration of Heterogeneous Data Sources. In *Proceedings of the Eighth Americas Conference on Information Systems (AMCIS 2002)* (pp. 135-140)*.* Dallas, TX.

Ram, S. & **Zhao, H**. (2001). Detecting Both Schema-level and Instance-level Correspondences for the Integration of E-catalogs. In *Proceedings of Eleventh Workshop on Information Technologies and Systems (WITS 2001)* (pp.187-192). New Orleans, Louisiana.

Zhao, H. & Ram, S. (2001). Clustering Database Objects for Semantic Integration of Heterogeneous Databases, In *Proceedings of the Seventh Americas Conference on Information Systems (AMCIS 2001)* (pp. 357-362). Boston, MA.

Book Chapters

Jain, H., **Zhao, H.**, & Chinta, N. R. (2007). Web Services Identification: Methodology and CASE Tools. In Liang-Jie Zhang (Ed.), *Modern Technologies in Web Services Research*, Chapter 12, IGI Publishing, pp.247-271.

Zhao, H. & Ram, S. (2006). Clustering Similar Schema Elements across Heterogeneous Databases—a First Step in Database Integration. In Keng Siau (Ed.), *Advanced Topics in Database Research - Volume 5*, Idea Group Publishing, pp. 235-256.

Editorial Notes

Ram, S. & **Zhao, H.** (September 2007). Special Issue on "Semantic Web: Opportunities and Challenges," *Information Technology and Management*, 8(3), 203-204.

Other Publications

Deng, S., Huang, Z., Sinha, A.P., & **Zhao, H.** 2018. Can social media sentiment affect stock market performance? *LSE Business Review.* http://blogs.lse.ac.uk/businessreview/2018/09/19/microblogging-sentiment-and-stock-returns/

Other Conference Presentations/Proceedings

Gopukumar, D., Ghoshal A., **Zhao, H.** (2022). A Multi-task Learning-based eXplainable Artificial Intelligence Approach: Identifying Common Predictors to Shape Future Readmission Policies. *2022 Conference on Health IT and Analytics (CHITA).*

Rasouli, E., Delen, D., & **Zhao, H.** (November 2020). A Machine Learning Approach for Assessing the Risk of Venous Thromboembolism (VTE) in Patients Undergoing Hip or Knee Replacement. *INFORMS 2020 Annual Meeting*.

Deng, S., Kwak, D.-H., Wu, J., Sinha, A.P., & **Zhao, H.** (2018). Classifying Investor Sentiment in Microblogs: A Transfer Learning Approach. *TREO (Technology Research, Education, and Opinion), 39th International Conference on Information Systems (ICIS)*, San Francisco, CA.

Towhidi, G. & **Zhao, H.** (2015). Are They in Your "Web of Trust" or "Block List"? Trust Prediction in Social Networks. Prototype. *25rd Workshop on Information Technologies and Systems (WITS 2015)*, Dallas, Texas.

Luo, J., Sinha, A. P., & **Zhao, H.** (June 2012). The Effect of Location Information on Friend Recommendation in Online Social Networks. *INFORMS International 2012*, Beijing, China.

Luo, J. & **Zhao, H.** (November 2011). Location-sensitive Friend Recommendation in Online Social Networks. *INFORMS 2011 Annual Meeting*, Charlotte, North Carolina.

Kwak, D.-H. & **Zhao, H.** (May 2011). "Website Success for Nonprofit Organizations: A Web Mining Approach," *The 2011 Big Ten IS Symposium*, Cleveland, OH.

Jain, H. & **Zhao, H.** (June 2009). Integrating Heterogeneous Healthcare Information Systems Using Service-Oriented Architecture. *SOA in Healthcare 2009*, Chicago, IL.

Zhao, H. (April 2006). Data Integration and Data Mining: a Research Agenda. Presented at the *5th Big Ten Information Systems Research Symposium*, Champaign, IL.

Jain, H., **Zhao, H.**, Klemer, D. P., & Gaudioso, C. (March 2006). Semantic Retrieval of Medical Records Related to Patient Symptoms. Presented at the *Second Winter Information Systems Conference*, Salt Lake City, UT.

Zhao, L. & **Zhao, H**. (March 2005). ABACUS: Agent-Based Cognitive Computational Processes for Organizational Learning - Towards Business Process Intelligence. *First Winter Information Systems Conference*, Salt Lake City, UT.

Ge, W., Sinha, A. P., **Zhao, H**. (2004). The Effects of Domain Knowledge on the Performance of Data Mining Models for Bank Failures. *Organizations and Society in Information Systems Workshop (OASIS 2004)***.** Washington DC.

Zhao, H. & Ram. S. (2003). Discovering Schema-Level and Instance-Level Semantic Correspondences for Integrating Heterogeneous Data Sources, *Sixth Fall Conference on Managing Information Technologies,* Tucson, AZ.

Ram, S. & **Zhao, H**. (2000). Semantic Interoperability and Data Warehouse Design, *Third Fall Conference on Managing Information Technologies*, Rochester, Michigan.

Research Seminar Presentations

Liu, Z., Chen, G., Xiao, S., & **Zhao, H.** (September 2022). Robust Meta-graph Learning: Exploring Multilevel Feature Interrelationships to Enhance Multimodal Time Series Prediction. Presented at the Gies College of Business, University of Illinois at Urbana-Champaign*.*

Wang, G., Chen, G., **Zhao, H.**, Zhang, F., and Yang, S. (March 2020). Leveraging multi-source big data for financial risk prediction: a novel hybrid-strategy-based self-adaptive method. Presented at Goizueta Business School, Emory University.

Wang, G., Chen, G., **Zhao, H.**, Zhang, F., and Yang, S. (November 2019). Leveraging multi-source big data for financial risk prediction: a novel hybrid-strategy-based self-adaptive method. Presented at Fox School of Business, Temple University.

Towhidi, G., Sinha, A.P., Srite, M. & **Zhao, H.** (2019). Trust Mining in Online Social Networks: Trust Decision-making and Trust Prediction. Presented at Hefei University of Technology, China.

Towhidi, G., Sinha, A.P., Srite, M. & **Zhao, H.** (2018). Trust Mining in Online Social Networks: Trust Formation and Trust Prediction. Presented at Xidian University, China.

Deng, S., Huang, Z., Sinha, A.P., & **Zhao, H.** (2017). The Interaction between Microblog Sentiment and Stock Return at Different Levels. Presented at Xidian University, China.

Deng, S., Huang, Z., Sinha, A.P., & **Zhao, H.** (2016). The Interaction between Microblog Sentiment and Stock Return. Presented at Dongbei University of Finance and Economics.

Deng, S., Huang, Z., Sinha, A.P., & **Zhao, H.** (2015). To Predict or to be Predicted? An Empirical Study on Social Media Sentiment and Stock Return. Presented at University of Illinois at Chicago, Tsinghua University, and Dongbei University of Finance and Economics.

Deng, S., Sinha, A.P., & **Zhao, H.** (June 2014). Expanding Sentiment Lexicons for Sentiment Analysis of Domain-Specific Social Media Text. Presented at Hefei University of Technology, China.

Deng, S., Sinha, A.P., & **Zhao, H.** (October 2013). Adapting sentiment lexicons to domain-specific social media texts. Presented at the University of Utah.

Huang, Z., **Zhao, H.**, & Zhu, D. (June 2013). Two Prediction-driven Approaches to Discrete Choice Prediction. Presented at Tsinghua University and Hefei University of Technology, China.

Zhao, H. (June 2010). Prediction and Forecasting under Asymmetric Cost Structures. Presented at Hefei University of Technology, China.

Peng, J., Zeng, D., & **Zhao, H.** (April, June 2010). A Ternary Relationship ≠ Multiple Binary Relationships: Collaborative Filtering in Social Tagging Systems Utilizing Complete Tagging Information. Presented at Tsinghua University and Hefei University of Technology, China.

Zhao, H. (June 2008). Predictive Data Mining under Asymmetric Costs. Presented at Tsinghua University, Chinese Academy of Sciences, and Chongqing University, China.

Bansal, G., Sinha, A. P., & **Zhao, H.** (May 2006). Tuning Data Mining Models for Cost-Sensitive Regression: A Study in Bank Loan Forecasting. *UWM Lubar School of Business Research Seminar Series*.

Jain, H. & **Zhao, H**. (October 2005). Web Services Identification and Design. *UWM CTI Web Services Workgroup*.

Zhao, H. & Soofi, E. S. (September 2005). Information Measures for Database Applications. *UWM SBA Research Seminar Series*.

Sinha, A. P. & **Zhao, H**. (April 2004). Incorporating Domain Knowledge into Data Mining: an Empirical Study of Classifier Performance. *UWM SBA Research Seminar Series*.

Research Grants

D. Gu (PI), X. Li, W. Lu, J. Pan, X. Tang, H. Wang, X. Yang, Z. Yue, Q. Zhang, and **H. Zhao.** Research on dynamic proactive service mode based on deep aggregation of multimodal medical care big data. *National Natural Science Foundation of China*, Grant #72071063, 2021-2024 (RMB 490,000).

H. K. Jain, R. Shaker (co-PI), N. Walia, F. M. Zahedi (PI), & **H. Zhao**. Real Avatars in Treating Patients' Virtual Medical Offices. *John and Jeanne Byrnes CTSI*, 2012 ($100,000).

A. M. Coenen, H. K. Jain, T. Y. Kim, N. Lang (co-PI), S. P. Lundeen (PI), S. W. McRoy, T. B. Patrick, & **H. Zhao**. Collaborative Intelligent Health Information Systems Initiative (CIHISI). *National Science Foundation*, Award Number 0650323. 2007 ($598,549).

H. Zhao, Intelligent Symptom-Based Retrieval of Electronic Medical Records, *UWM Graduate School Research Committee Award*, 2006 ($10,000).

F. M. Zahedi, A. P. Sinha, & **H. Zhao**. Industry Grant Proposal, Data Mining. *Market Probe*, 2005 ($10,000).

Teaching Awards

Gold Star Teaching Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, Fall 2021.

Gold Star Teaching Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, Spring 2021.

Gold Star Teaching Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, Fall 2020.

Gold Star Teaching Award, Sheldon B. Lubar School of Business, University of Wisconsin-Milwaukee, Spring 2006.

Outstanding Graduate Teaching Assistant Award, University of Arizona Foundation, 2001.

Courses Taught

Doctoral Seminar: Data Mining.

Data and Information Management, graduate.

Development of Web-based Solutions, graduate.

Object-Oriented and Visual Paradigms, graduate.

Object-Oriented Systems Development, undergraduate

Database Management Systems, undergraduate

Supervision of Doctoral Dissertations

Chair for Tao Yang, in progress.

Chair for Zongxi Liu, in progress.

Chair for Elham Rasouli Dezfouli, in progress.

Chair for Liqian Bao, in progress.

Chair for Youngeui Kim, in progress.

Committee member for Subarna Paul, in progress.

Committee member for Milad Hour, in progress.

Chair for Eunjung Lee, completed in 2021.

Chair for Deepika Gopukumar, completed in 2021.

Committee member for Neshat Beheshti, completed in 2019.

Co-chair for Gelareh Towhidi, completed in 2018.

Committee member for Mahyar Sharif Vaghefi, completed in 2018.

Committee member for Neel Shimpi, completed in 2017.

Co-chair for Jiaxi Luo, completed in 2016.

Committee member for Nic Huang, completed in 2016.

Committee member for Yu Zhao, completed in 2015.

Committee member for Euisung Jung, completed in 2015.

Committee member for Jiao Wu, completed in 2015.

Committee member for Kourosh Ravvaz, completed in 2015.

Co-chair for Shuyuan Deng, completed in 2014.

Committee member for Abdullah Al Bizri, completed in 2014.

Committee member for Danqing Hu, completed in 2013.

Committee member for Abbi Dutt, completed in 2013.

Committee member for Cheng Thao, completed in 2012.

Committee member for Yan Chen, completed in 2012.

Committee member for Thomas L. Ngo-Ye, completed in 2011.

Committee member for John D Delano, completed in 2011.

Committee member for Carmelo Gaudioso, completed in 2010.

Committee member for Nitin Walia, completed in 2010.

Committee member for Ziping Wang, completed in 2009.

Committee member for Jae Choi, completed in 2009.

Committee member for Chen-Huei Chou, completed in 2008.

Committee member for Gaurav Bansal, completed in 2008.

Committee member for Xuemei Su, completed in 2007.

Committee member for Ruiliang Yan, completed in 2006.

Committee member for Xiaowei Zhu, completed in 2006.

Committee member for Hangjung Zo, completed in 2006.

Committee member for Suprasith Jarupathirun, completed in 2005.

Professional Service Awards

Associate Editor of the Year. *Information Systems Research,* 2019.

Professional Services

Associate Editor. *Information Systems Research,* since 2018.

Associate Editor, *Journal of Business Analytics,* since 2018.

Senior Editor, *Decision Support Systems*, 2014-2022.

Associate Editor, *MIS Quarterly*, 2013-2016.

Member, Editorial Review Board, *Journal of Database Management*, 2002-2018.

Associate Editor, Professional Development Workshop, 2023 International Conference on Information Systems (ICIS 2023).

Mentor, Editorial Roundtable, 2022 INFORMS Workshop on Data Science.

Associate Editor, Professional Development Workshop, 2021 International Conference on Information Systems (ICIS 2021).

Member, Best Paper Award Selection Committee, 2020 Annual Workshop on Information Technologies and Systems (WITS 2020).

Associate Editor, IS in Healthcare Track, 2020 International Conference on Information Systems (ICIS 2020).

Associate Editor, Data Science and Predictive Analytics Track, 2018 International Conference on Information Systems (ICIS 2018).

Member, Best Dissertation Proposal Selection Committee, Twenty-eighth Annual Workshop on Information Technologies and Systems (WITS 2018).

Member, Best Paper Award Committee, Eleventh China Summer Workshop on Information Management (CSWIM 2017).

Member, Best Paper Award Committee, Tenth China Summer Workshop on Information

Management (CSWIM 2016).

Co-chair, Ninth China Summer Workshop on Information Management (CSWIM 2015).

Co-chair, Mini Track on Innovative Approaches to Data and Text Mining, 2015 Americas Conference on Information Systems (AMCIS 2015).

Advisor, CNAIS Doctoral Consortium, 2015.

Treasurer, INFORMS College on Artificial Intelligence, 2009-2011.

Co-Chair, Business Intelligence Track, 2012 International Conference on Information Systems, Technology, and Management (ICISTM 2012).

Chair, Artificial Intelligence Cluster, INFORMS International Beijing 2012.

Chair, Artificial Intelligence Cluster, INFORMS 2011 Annual Meeting.

Co-chair, Fifth INFORMS Workshop on Data Mining and Health Informatics (INFORMS-DM-HI 2010)

Co-chair, Nineteenth Workshop on Information Technologies and Systems (WITS 2009)

Panel Chair, 2008 China Summer Workshop on Information Management (CSWIM 2008)

Publicity Chair and Webmaster, 25th International Conference on Conceptual Modeling (ER 2006).

Local Arrangements Chair, Doctoral Consortium, 2006 International Conference on Information Systems (ICIS 2006).

Associate Editor, the Web-based information systems and applications track, 2006 International Conference on Information Systems (ICIS 2006).

Local Arrangements Co-Chair, 2006 Workshop on e-Business (WeB 2006).

Member, Advisory Board, Pre-ICIS 2006 SIG-DSS Workshop (SIG-DSS 2006).

Associate Editor, the Web-based Applications track, 2005 International Conference on Information Systems (ICIS 2005).

Program Committee Member for Conferences: 2022 WITS, 2022 INFORMS-DS, 2021 WITS, 2020 WITS, 2020 INFORMS-DS, 2020 WCBA, 2019 WITS, 2019 INFORMS-DS, 2018 INFORMS-DS, WITS 2018, ICIS 2018, WITS 2017, CSWIM 2017, ICSF 2017, 2017 INFORMS-DS, CSWIM 2016, DESRIST 2016, WITS 2015, LMCE 2015, WITS

2014, LMCE 2014, PACIS 2014, CSWIM 2014, WITS 2013, CSWIM 2013, ER 2013, WITS 2012, DESRIST 2012, ER 2012, CSWIM 2012, WITS 2011, CIST 2011, CSWIM 2011, ISSIE 2011, DESRIST 2011, ITSM 2011, ISI 2011, WITS 2010, ICMeCG 2010, CSWIM 2010, ICIS 2009, ICWS 2009, AMCIS 2009, WeB 2008, ICWS 2008, CSWIM 2008, AMCIS 2008, SCC 2008, GITM 2008, HICSS 2008, WeB 2007, WITS 2007, ICIS 2007, SCC 2007, AMCIS 2007, GITM 2007, IRMA 2007, HICSS 2007, CSWIM 2007, SIG-DSS 2006, WITS 2006, SCC 2006, ISI 2006, ICIS 2006, HICSS 2006, GITM 2006, AMCIS 2006, WITS 2005, WeB 2005, SIGPAM 2005, SCC 2005, PACIS 2005, NGWSP 2005, IRMA 2005, ISI 2005, ICIS 2005, HICSS 2005, GITM 2005, EMMSAD 2005, IEEE EEE 2005, BEST 2005, WITS 2004, WeB 2004, PACIS 2004, InSITE 2004, ICWS 2004, ICIS 2004, GITM 2004, AMCIS 2004, WITS 2003, WeB 2003, ER 2003, WITS 2002, RIDE 2002, HICSS 2002, ER 2002, ECDM 2002, AMCIS 2002

Paper reviews for journals:
- Management Science
- MIS Quarterly
- Information Systems Research
- Journal of Management Information Systems
- Journal of the Association for Information Systems
- Communications of the AIS
- IEEE Transactions on Knowledge and Data Engineering
- IEEE Transactions on Systems, Man and Cybernetics: Part A
- IEEE Transactions on Systems, Man and Cybernetics: Part C
- IEEE Transactions on Parallel and Distributed Systems
- IEEE Transactions on Intelligent Transportation Systems
- IEEE Intelligent Systems
- Communications of the ACM
- ACM Transactions on Management Information Systems
- ACM Transactions on Knowledge Discovery from Data
- ACM Transactions on Internet Technologies
- Journal of Database Management
- Decision Support Systems
- International Journal of Business Process Integration and Management
- Data Base
- Information Systems Journal
- Information System Management
- International Journal of Cooperative Information Systems
- Journal of Information Systems and e-Business Management
- Data and Knowledge Engineering
- Electronic Markets
- Information Systems Frontier
- Omega
- International Journal of Electronic Commerce

- International Journal of Electronic Business
- Information Processing Letters
- Journal of Industrial and Management Optimization
- Journal of Data Semantics
- Operations Research
- Journal of Business Analytics

Grant reviews:
- The international research fellowship program of the National Science Foundation
- the BIO5 Institute internal grants program of the University of Arizona
- Strategic Research Funding of City University of Hong Kong.

Services on UWM Committees

Biomedical and Health Informatics PhD Qualifying Exam Committee, 2017-present.

Aligning Academic Pathways Team, 2021-2022.

Reviewer, Research and Creative Activities Support, Graduate School, 2019.

Academic Advisory Board, Connected Systems Institute, 2018-2020.

Reviewer, Research and Creative Activities Support, Graduate School, 2015-2016.

Reviewer, BS in computer science program, Academic Program and Curriculum Committee, 2015.

Graduate School Faculty Research and Creative Activities Support Committee, 2014.

Search Committee for the Director of the Biomedical Health Informatics Research Institute, 2012-2013.

Graduate School Research Committee, 2012.

Chair, Subcommittee on Graduate Course and Curriculum, Graduate Faculty Committee, 2008-2009.

Graduate Faculty Committee, 2008-2009.

Services on Lubar College Committees

Area chair, IT Management, multiple times.

Chair, IT Management faculty recruitment committee, multiple times.

Chair, Executive subcommittee in IT Management, multiple times.

Academic Planning Committee, multiple times.

PhD Program Committee, 2016-present.

Research Committee, 2018-present.

Executive Committee, 2008-present.

MIS PhD Prelim Exam Committee, 2008-present.

BBA Program Task Force, 2019.

Lubar Chair Search Committee, 2017.

Teaching Committee, 2016-2017.

Undergraduate Program Committee, 2005-2011, 2014-2016.

Appeals Subcommittee, Undergraduate Program Committee, 2014-2016.

Scholarship Committee, 2012-2014.

Committee on Collegiality, 2011-2013.

Research Development Task Force, 2011.

Grievance Subcommittee, Undergraduate Program Committee, 2005-2006, 2008-2011.

Business Scholars Subcommittee, Undergraduate Program Committee, 2007-2008.

Mission Task Force, 2007.

AACSB Committee, 2006-2007.

UWM-SBA MS Program Committee, 2004-2005.

Community Services

Instructor, martial arts, Milwaukee Modern Chinese School, 2012-2020.