Bing Zhou
Assistant Professor
Department of Computer Science
Sam Houston State University

**Degrees Earned**

Ph.D. in Computer Science, University of Regina, 2012

M.Sc. in Computer Science, University of Regina, Canada 2008

B.S. in Computer Science, Shandong University of Technology, China 1998

**Peer-Review Publications and Artistic Performances/Exhibitions**

**Articles**

Yu, H. Zhou, B. Deng, M. Hu, F. Tag recommendation method in folksonomy based on user tagging status. Journal of Intelligent Information Systems. DOI 10.1007/s10844-017-0468-1. (SCI- indexed, Impact Factor: 1.294)

Zhou, B., He, Y. Fast circle detection using spatial decomposition of Hough transform. International Journal of Pattern Recognition and Artificial Intelligence. DOI:10.1142/S0218001417550060. 2017. (SCI- indexed, Impact Factor: 1.24)

Leung, F. Zhou, B. Performance evaluation of Twitter datasets on SQL and NoSQL DBMS. Web Intelligence. 14(4): 275-286, 2016. (SCI- indexed)

Byrd, B., Zhou, B., Liu, Q. Android System Partition to Traffic Data? International Journal of Knowledge Engineering, 2016.

Yao, Y.Y., Zhou, B. Two Bayesian approaches to rough sets. European Journal of Operational Research. doi:10.1016/j.ejor.2015.08.053. 2015.

Jia, X.Y., Shang, L., Zhou, B. and Yao, Y.Y. Generalized attribute reduct in rough set theory. Knowledge-Based Systems doi:10.1016/j.knosys.2015.05.017. 2015.

Zhou, B. Yao, Y.Y. and Luo, J.G. Cost-sensitive three-way email spam filtering. Journal of Intelligent Information Systems. JIIS-1080.1, DOI: 10.1007/s10844-013-0254-7. 2014.

Zhou, B. Multi-class decision-theoretic rough sets. International Journal of Approximate Reasoning. IJA7602, DOI: 10.1016/j.ijar.2013.04.006. 2014.

Zhang, X.H. Zhou, B. and Li, P. A general frame for intuitionistic fuzzy rough sets. Information Sciences. Volume 216, pp. 34-49. 2012.

Zhou, B., Yao, Y.Y. In search for effective granularity with DTRS for ternary classification. The International Journal of Cognitive Informatics & Natural Intelligence (IJCiNi). Volume 5, Issue 3, pp 47-60. 2011.

Zhou, B., Yao, Y.Y. Evaluating information retrieval system performance based on user preference. Journal of Intelligent Information Systems (JIIS). Volume 34, Issue 3, pp. 227-248. 2010.

Zhou, B., Yao, Y.Y. A logic approach to granular computing. The International Journal of Cognitive Informatics & Natural Intelligence (IJCiNi). Vol 2, No. 2. pp. 63-79. 2008.

**Chapters**

Zhou, B, Chen, L. and Jia, X.Y. Information Retrieval Using Rough Set Approximations. ICTs and the Millennium Development Goals - A United Nations Perspective (editors: Harleen Kaur and Xiaohui, Tao), 2013.

Chen, L. Varol, C. Liu, Q.Z. and Zhou, B. Security in Wireless Metropolitan Area Networks: WiMAX and LTE. Security, Privacy, Trust, and Resource Management in Mobile and Wireless Communications (editors: Danda B. Rawat, Bhed B. Bista, and Gongjun Yan). 2013.

**Proceedings**

Zhou, B. Cho, H. Mansfield, A. Robust Sensor Data Fusion through Adaptive Threshold Learning. International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, pp. 277-282. 2017.

Zhou, B., Yao, Y.Y., Liu, Q. Utilizing DTRS for imbalanced text classification. The 2016 International Joint Conference on Rough Sets (IJCRS2016). 219-228. Santiago, Chile, 2016. (**Best Paper Award**)

Karuparthi, R. Zhou, B. Enhanced Approach to Detection of SQL Injection Attack, IEEE 15th International Conference on Machine Learning and Applications (ICMLA 2016). Anaheim, California, USA, 2016.

Uduthalapally, P., Zhou, B. Improvement of ETSFS algorithm for secure database. In the proceedings of The 4th International Symposium on Digital Forensics and Security (ISDFS 2016), pp. 63-67. 2016.

Byrd, B., Zhou, B., and Liu, Q.Z. Android system partition to traffic data? International Conference on Information and Knowledge Management, to appear.

Li, Q., Zhou, B., and Liu, Q.Z. Can Twitter posts predict stock behavior? - A study of stock market with Twitter social emotion. The 2016 IEEE International Conference on Cloud Computing and Big Data Analysis, to appear.

Zhou, B. Using Vector Quantization of Hough Transform for Circle Detection. The 14th International Conference on Machine Learning and Applications (ICMLA'15). Miami, Florida, USA, 2015.

Zhou, B., Yao, Y.Y. Decision-Level Sensor-Fusion based on DTRS. The 2015 International Joint Conference on Rough Sets(IJCRS2015). pp.307-318, Tianjin, China, 2015.

Zhou, B., Yao, Y.Y. Feature Selection Based on Confirmation-Theoretic Rough Sets. The 9th International Conference of Rough Sets and Current Trends in Computing (RSCTC'2014). Lecture Notes in Computer Science 8536, pp.181-188, Granada and Madrid, Spain, 2014.

Metzger, M., Zhou, B. The Role of Database Forensics in Cyberspace Law Enforcement. In the proceedings of The Second International Symposium on Digital Forensics and Security (ISDFS 2014), pp.130-133, 2014.

Nevarez, N., Zhou, B. SQL Injection: Hardening MYSQL. In the proceedings of The Second International Symposium on Digital Forensics and Security (ISDFS 2014), pp. 110-112. 2014.

Zhou, B. Yao, Y.Y. Comparison of Two Models of Probabilistic Rough Sets. The 2013 Joint Rough Set Symposium (JRS2013). A joint conference of the 14th International Conference on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (RSFDGrC13) and the Eighth International Conference on Rough Sets and Knowledge Technology (RSKT2013). LNAI8171, pp. 121-132, Halifax, Canada. 2013.

Zhou, B. Applying rough set theory to information retrieval. The 26th IEEE Canadian Conference of Electrical and Computer Engineering (CCECE'13). ISSN:0840-7789. 2013.

Liu, Q.Z. Cooper, A.P. and Zhou, B. An improved approach to detecting content-aware scaling-based tampering in jpeg images. IEEE China Summit and International Conference on Signal and Information Processing. 978-1-4799-1043-4/13, pp. 432-436. 2013.

Zhou, B., Liu, Q.Z. A comparison study of cost-sensitive classifier evaluations. The 2012 International Conference on Brain Informatics (BI'12). Lecture Notes in Computer Science. Volume 7670, pp. 360-371. Hongkong, China. 2012.

Zhou, B. A new formulation of multi-category decision-theoretic rough sets. The Sixth International Conference on Rough Sets and Knowledge Technology (RSKT'11). LNAI 6954, pp. 514-522. 2011.

Zhou, B., Yao, Y.Y., Luo, J.G. A three-way decision approach to email spam filtering. Proceedings of the 23th Canadian Conference on Artificial Intelligence(AI'10). LNAI 6085, pp. 28-39. 2010.

Zhou, B., Yao, Y.Y. In search for effective granularity with DTRS. Proceedings of the 9th IEEE International Conference on Cognitive Informatics (ICCI'10), pp. 464-470. 2010.

Yao, Y.Y., Zhou, B. Naive Bayesian rough sets. The Fifth International Conference on Rough Sets and Knowledge Technology (RSKT'10). LNAI 6401, pp. 713--720. 2010.

**Work or Professional Experiences**

2012 - Present, Assistant Professor of Computer Science, Sam Houston State University

2006 - 2012, Research Assistant of Computer Science, University of Regina, Canada

**Other Competencies**

Reviewer: International Journal of Approximation Reasoning, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Information Sciences, Applied Mathematics & Information Sciences, International Journal of Machine Learning and Cybernetics (JMLC), Knowledge-Based Systems, International Journal of Pattern Recognition and Artificial Intelligence

Editorship: ICTs and the Millennium Development Goals - A United Nations Perspective (http://www.ict-mdg.com).

Workshop Organizer: TWDUG'17, TWDUG'16, TWDUG'15, JRS'14, MIWAI'13

Committees: IEA/AIE 2018, CIIA 2018, International Conference on Computer Science and Its Applications (2013-2015), Rough Set Theory Workshop (associated with Joint Rough Set Symposium, 2103), CCECE'13