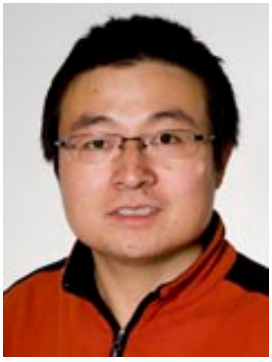
1 Personal Information



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2 Work Experience

2010/07- Present Senior lecturer at school of information engineering in Zhengzhou University[1], P.R. China.

3 Education

2007/09- 2009/06 Visiting Ph.D. at school of engineering in Blekinge Institute of Technology(BTH)[2], Sweden.

2004/06, 2010/06 Bachelor and Ph.D. degrees at Dept. of computer science and technology, Xi'an Jiaotong University(XJTU)[3], P.R. China.

4 Awards & Fundings

2018 Key project of improvement of students' innovative ability and top talent training in ZZU(in Zhengzhou University), **Supervisor teacher**.

2017 **Supervisor** of project of innovative and entrepreneurial training program for college students in ZZU.

2016 National Natural Science Foundation of China, 61572444, Research on DNA Computing Methods for Logical Tree Model Tests , completed, **participated**.

2014 National Natural Science Foundation of China, 61130304, Research on construction theory and methods of large-scale fuzzy concept lattices with limited memory space , completed, **participated**.

2013 The *second prize* of the academic award for natural and scientific paper in Henan Province, China.

[1]ZZU is the abbreviation for Zhengzhou University. ZZU is in the list of *Chinese construction plan of "double-first universities"*, which means world-first university and first-class discipline. See also `http://www.zzu.edu.cn`.

[2]BTH is the abbreviation for Blekinge Tekniska Högskola. See also `http://www.bth.se`.

[3]XJTU is the abbreviation for Xi'an Jiaotong University. See also `http://www.xjtu.edu.cn`.

2010 *Excellent graduate* in XJTU, *Pengkang's* Ph.D. scholarship in XJTU.

2008 Swedish provincial funding: Rough set based knowledge acquisition method and it's application in E-health system, completed, **participated**.

2007, 2008 Chinese government supported two-year joint Ph.D. study, *state scholarship programs*. [4]

2005 China graduate mathematical contest in modeling (CGMCM)[5] , 2^{nd} *Prize.*

2003 ACM/ICPC (International Collegiate Programming Contest)[6] asia regional contest, Beijing region, *honorable mention.*

1998 China national olympiad in informatics in Henan province (NOI [7]) , 1^{st} *prize.*

5 Research Interests

Research interests lie at *intelligent computing, DNA computing, and E-Health systems*.

Selected publications

[1] Weijun Zhu, Yingjie Han, Huanmei Wu*, Yang Liu*, Xiaofei Nan, Qinglei Zhou. Predicting the results of molecular specific hybridization using boosted tree algorithm[J]. Concurrency and Computation: Practice and Experience. Sep. 2018, **e4982**(9):1–12

[2] Yingjie Han, Weijun Zhu, Linfeng Zhu, Yang Liu, Qinglei Zhou. Linear temporal logic formula Xp model DNA computing method[J]. Journal of Chinese Computer Systems. 2017, **38**(3):553–558

[3] Yang Liu, Zhuo Zhang, Qinglei Zhou. Inequality based Diagnosis Rule Mining Method on Medical Decision Tables[J]. Journal of Chinese Computer Systems. 2015, **36**(5):1052–1055

[4] This program is sponsored by China Scholarship Council. See also `http://www.csc.edu.cn/en`.

[5] The CGMCM contest is a contest where teams of graduates use mathematical modeling to present their solutions to real world problems.This national-wide contest is organized by the National Organizing Committee (NOC) of CGMCM, which is an organization setup by the Ministry of Education of P.R.C. and CSIAM (China Society for Industrial and Applied Mathematics). See also `http://www.gmcm.cn`.

[6] The ACM International Collegiate Programming Contest (ICPC) provides opportunities to sharpen and demonstrate problem-solving, programming, and teamwork skills. The contest provides a platform for ACM, industry, and academia to encourage computing professionals. See also `http://icpc.baylor.edu`.

[7] The NOI supports pre-college computing around the country through computer programming competitions and training materials. See also `http://www.noi.cn`.

[4] Yang Liu, Zhuo Zhang, Qinglei Zhou. Research on Fuzzy Rough Sets based Rule Induction Methods for Healthcare Data[J]. Chinese Computer Science. 2014, **41**(12):164–167

[5] Yang Liu, Qinglei Zhou, Boqin Feng. A Weighted Fuzzy Rough Sets Model wih Hybrid-Atrribute Reduction in Granular Computing[J]. Journal of Xi'an Jiaotong University. 2011, **45**(10):43–47

[6] Yang Liu, Luyang Jiao, Guohua Bai, Boqin Feng. Feature based rule learner in noisy environment using neighbourhood rough set model[J]. International Journal of Software Science and Computational Intelligence, IGI Global, USA. 2010, **2**(2):68–87

[7] Yang Liu, Guohua Bai, Qinglei Zhou, Elisabeth Rakus-Andersson. Rough Sets Based Inequality Rule Learner for Knowledge Discovery[C]. International Conference on Rough Sets and Current Trends in Computing. Springer, 2012, 100–105

[8] Yang Liu, Qinglei Zhou, Elisabeth Rakus-Andersson, Guohua Bai. A fuzzy-rough sets based compact rule induction method for classifying hybrid data[C]. International Conference on Rough Sets and Knowledge Technology. Springer, 2012, 63–70

[9] Yang Liu, Guohua Bai, Boqin Feng. CompactLEM2: A Scalable Rough Set based Knowledge Acquisition Method that Generates Small Number of Short Rules[C]. Du Zhang, Yingxu Wang, Witold Kinsner, (Editors) ICCI 2008. Stanford University, USA, August 14-16, 2008. 7th IEEE International Conference on Cognitive Informatics. IEEE, 2008, 215–222

[10] Yang Liu, Guohua Bai, Boqin Feng. On Mining Rules that Involve Inequalities from Decision Table[C]. Du Zhang, Yingxu Wang, Witold Kinsner, (Editors) ICCI 2008. Stanford University, USA, August 14-16, 2008. 7th IEEE International Conference on Cognitive Informatics. IEEE, 2008, 255–260

[11] Yang Liu, Boqin Feng, Guohua Bai. Compact Rule Learner on Weighted Fuzzy Approximation Spaces for Class Imbalanced and Hybrid Data[C]. Chien-Chung Chan, Jerzy W. Grzymala-Busse, Wojciech P. Ziarko, (Editors) RSCTC 2008. Akron, OH, USA, October 23 - 25, 2008. The Sixth International Conference on Rough Sets and Current Trends in Computing. Springer, 2008, vol. 5306 of Lecture Notes in Computer Science, 262–271

[12] Yang Liu, Guohua Bai, Boqin Feng. Multi-agent Based Multi-knowledge Acquisition Method for Rough Set[C]. Guoyin Wang, Tian rui Li, Jerzy W. Grzymala-Busse, Duoqian Miao, Andrzej Skowron, Yiyu Yao, (Editors) RSKT 2008. The Third International Conference on Rough Sets and Knowledge Technology. Springer, 2008, vol. 5009 of Lecture Notes in Computer Science, 140–147