

## Curriculum Vitae

孙宝山 副教授，硕士生导师，系副主任

**Baoshan Sun**

( Associate Professor, Master's Supervisor )



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### 主要研究方向 RESEARCH INTERESTS

- 人工智能 Artificial Intelligence
- 云计算与大数据分析 Cloud Computing and Big Data Analysis
- 计算机网络技术 Computer Network Technology
- 信息安全技术 Information Security
- 计算智能算法及应用 Computational Intelligence Algorithms and Applications

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### 工作经历 WORK EXPERIENCE

- 孙宝山副教授，工学博士，硕士生导师，系副主任。国家公派出国留学英国访问学者、CCF中国计算机学会会员。天津大学计算机应用技术硕士毕业，天津工业大学计算机检测方向博士毕业。入选天津市高校“优秀青年教师资助计划”。带领科研团队已在相关研究领域及研究课题上取得一系列科研成果。并先后在国外SCI期刊、EI期刊、国内重要期刊及国际会议上发表20余篇高水平学术论文。
- 主要从事人工智能、云计算与大数据分析、计算机网络技术、嵌入式系统设计开发、计算机检测技术在纺织复合材料应用等相关教学及科研工作。近五年，主持完成省部级科研项目2项，参与国家自然科学基金项目3项；主持及参与完成多项局级、校级项目；主持及参加完成多项横向项目。
- Associate Professor, Master's Supervisor, Tiangong University, October, 2012 -- Now
- Selected into the "Supporting Scheme for Excellent Young Teachers" of Tianjin Universities
- Academic Journals and Conference Reviewers include the IEEE Transactions on Aerospace and Electronic Systems Society (AESS), IEEE Access, Journal of Computational Information Systems, IEEE/ACIS ICIS, ACIRC.

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### 教育背景 EDUCATION

博士 **Ph.D**, Design and Forming of Composite Materials , Tianjin Polytechnic University, China  
硕士 **Master**, Computer Application Technology ,Tianjin University, China

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## 发表论文 PUBLICATION

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1. **Sun, Baoshan**; Ge, Mengying; Zhao, Peng; Li, Chunqing. Systematic framework for short text classification based on improved TWE and supervised MCFS topic merging strategy. *International Journal of Computers and Applications*, 2020
2. Wang, Anna ; **Sun, Baoshan**; Jin, Rize. An improved model of multi-attention lstm for multimodal sentiment analysis. *Proceedings of 2019 3rd International Conference on Computer Science and Artificial Intelligence, CSAI 2019 - Workshop - The 11th International Conference on Information and Multimedia Technology, ICIMT 2019*. p 144-149, December 6, 2019
3. Fu, Weigui; Zhang, Xu; Mao, Yunyun; Pei, Tengfei; **Sun, Baoshan**; Mei, Shuzhen; Chen, Li. A novel  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> nanofiltration membrane via introducing hollow microspheres into interlayers for improving water permeability. *Ceramics International*, v 44, n 13, p 15824-15832, September 2018
4. **Sun, Baoshan**; Lu, Yang. High-available and load-balancing architecture design for flight control computer cluster in stratospheric airship. *ACM International Conference Proceeding Series*, v Part F131934, p 1-6, September 15, 2017, *Proceedings of the 2nd International Conference on Robotics, Control and Automation, ICRCA 2017*
5. **Sun, Baoshan**; Zhao, Peng. Feature extension for Chinese short text classification based on topical N-Grams. *Proceedings - 16th IEEE/ACIS International Conference on Computer and Information Science, ICIS 2017*, p 477-482, June 27, 2017, *Proceedings - 16th IEEE/ACIS International Conference on Computer and Information Science, ICIS 2017*
6. **Sun, Baoshan**; Dong, Lingyu. Dynamic Model Adaptive to User Interest Drift Based on Cluster and Nearest Neighbors. *IEEE Access*, v 5, p 1682-1691, 2017
7. Li, JinShuai; Zhao, XiaoFei; **Sun, BaoShan**. Research on the method of splitting large class diagram based on multilevel partitioning. *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, v 10585 LNCS, p 163-172, 2017, *Intelligent Data Engineering and Automated Learning – IDEAL 2017 - 18th International Conference, Proceedings, 2017*
8. **Sun, Baoshan**; Liu, Xiaoxiao; Huang, Yanli. An object-oriented design method and simulation of flight control software. *Journal of Computational Information Systems*, v 10, n 20, p 8591-8598, October 15, 2014
9. **Sun, Baoshan**; Zhu, Meixia. A transforming method of keeping the mutual simulation relationship between sequence diagram and CCSL models. *Journal of Computational Information Systems*, v 9, n 21, p 8659-8666, November 1, 2013
10. **Sun, Baoshan**; Huang, Yanli. Flight control software for stratospheric airship. *Journal of Computational Information Systems*, v 9, n 10, p 4139-4146, May 15, 2013
11. **Sun, Baoshan**; Wan, Zhenkai. Three-dimensional braided composites detection method based on improved chaotic neural network. *Materials Engineering and Automatic Control*, v 562-564, p 455-458, 2012
12. **Sun, Baoshan**; Wan, Zhenkai. Based on Linux school short message system design and implementation. *Proceedings - 2010 3rd IEEE International Conference on Computer Science and Information Technology, ICCSIT 2010*, v 5, p 552-555, 2010, *Proceedings - 2010 3rd IEEE International Conference on Computer Science and Information Technology, ICCSIT 2010*
13. Yu, Junle; **Sun, Baoshan**. Research of education evaluation information mining technology based on analytical hierarchy process (AHP) and Genetic Algorithm (GA). *ICACTE 2010 - 2010 3rd*

*International Conference on Advanced Computer Theory and Engineering, Proceedings*, v 4, p V4289-V4292, 2010, *ICACTE 2010 - 2010 3rd International Conference on Advanced Computer Theory and Engineering, Proceedings*

14. **Sun, Baoshan**; Wan, Zhenkai. Based on an improved ant colony algorithm fabric image detection method. *Proceedings - 2010 3rd IEEE International Conference on Computer Science and Information Technology, ICCSIT 2010*, v 5, p 568-571, 2010, *Proceedings - 2010 3rd IEEE International Conference on Computer Science and Information Technology, ICCSIT 2010*
15. Yao, Nan; **Sun, Baoshan**. Study of resource index algorithm based on p2p. *Proceedings of ICCIA 2010 - 2010 International Conference on Computer and Information Application*, p 255-258, 2010, *Proceedings of ICCIA 2010 - 2010 International Conference on Computer and Information Application*
16. **Sun, Baoshan** ; Wan, Zhenkai. A method of image recognition based on improvement ant colony algorithm. *2009 4th IEEE Conference on Industrial Electronics and Applications, ICIEA 2009*, p 3737-3740, 2009, *2009 4th IEEE Conference on Industrial Electronics and Applications, ICIEA 2009*
17. Song, Limei; Luo, Jing; **Sun, Baoshan**; Wen, Yuhua. Two cameras vision model for the 3D shape recovery. *5th International Conference on Natural Computation, ICNC 2009*, v 5, p 246-250, 2009, *5th International Conference on Natural Computation, ICNC 2009*

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## 主要科研项目 RESEARCH PROJECT

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- 1. 企业信息管理平台的设计及软件开发项目，主持人
- 2. 天津市滨海新区中心商务区行政审批项目，主持人
- 3. 识别蛋白质超家族之间远程同源性的算法研究，国家自然科学基金，主要参与人
- 4. 单目高精度大型物体彩色三维数字化测量原理，国家自然科学基金，主要参与人
- 5. 计算机学科研究生管理及培养，“十二五”学科建设规划调研课题，主持人
- 6. 《计算机组成及系统结构》课程改革与建设，教改项目，主持人
- 7. 环烷酸生产过程先进控制技术研究项目，主要参与人
- 8. 高校会计实践教学模式转变的研究项目，市财政局重点项目，主要参与人
- 9. 基于排队拓扑网络的3G与WLAN整合研究，市教委项目，主要参与人
- 10. 软件人才培养方案研究-软件与服务课题，市教委项目，主要参与人
- 11. 信息技术基础课程多媒体积件与课件综合应用项目，主要参与人
- 12. 《海关通关实务》双语课程项目，主要参与人
- 13. 《操作系统原理》课程建设与改革项目，主要参与人
- 14. 视频交通流检测及车辆识别系统的设计及软件开发项目，主要参与人
- 15. MBR处理印染废水的计算机模拟仿真研究，中国纺织工业协会，主要参与人

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## 主要获奖 AWARDS

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- 1. 天津工业大学2012年度青年教师教学基本功竞赛，三等奖，2012.6
- 2. 第四届全国多媒体课件大赛优秀奖，国家级，排名2，2004.10
- 3. 首届“园丁杯”教育信息化创新应用征文优秀论文奖，国家级，排名2，2004.12
- 4. 2004年校级教学成果奖（校级二等奖），排名2，2004.10
- 5. 天津工业大学2009年度校级“优秀教师”，2009.10
- 6. 天津工业大学2009年度“优秀教学质量奖”二等奖，2009.11
- 7. 天津工业大学2011年度“优秀教学质量奖”三等奖，2011.5