



师资队伍

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师资概况

教师队伍 (按系室)

教师队伍 (按团队)

博士生导师

硕士生导师

尚家兴

时间: 2017-06-28 浏览量: 11253次

性别: 男

职称: 副教授(硕导/博导)

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研究方向: 社交网络分析与挖掘、行业大数据分析、信息传播、网络表示学习、图神经网络

招生信息: 年度招收硕士3名, 招收计算机, 软件, 数学, 统计等专业。



2 个人简介

尚家兴, 副教授, 博士, 硕士/博士生导师, 中国计算机学会 (CCF) 会员, IEEE会员, ACM会员, 现任职于重庆大学计算机学院。主要研究方向为社交网络分析、行业大数据挖掘、人工智能, 专注于面向大数据的社交网络分析与挖掘问题, 网络中的信息传播等。2010年于清华大学自动化系获学士学位, 同年保送至清华大学直接攻读博士研究生, 并于2016年1月获清华大学自动化系博士学位。2014年9月-2015年1月于香港城市大学进行学术交流访问; 2016年2月至2018年8月在重庆大学计算机学院任职讲师, 2018年9月至今在重庆大学计算机学院任职副教授。截止到目前, 共发表论文40余篇, 其中SCI期刊16篇, EI国际会议论文20篇, 包括WASA、ICONIP、SNA-KDD、UIC、WISE等CCF推荐高水平国际会议论文; 申请专利10项, 授权2项。主持国家自然科学基金青年基金、重庆市自然科学基金、重庆市产业类重点专项子课题、中国博士后基金、重庆市博士后特别资助、中央高校基本科研业务专项等项目7项, 参与国家自然科学基金面上项目、国家重点研发计划、重庆市自然科学基金等项目4项。担任TKDE、IEEE Transactions on SMC: Systems、TITS、ACM TWEB、ACM TMIS, Neurocomputing、Physica A、JISE、CPE、JGIM、IEEE Access、PACIS、FSDM、计算机学报等期刊和国际会议审稿人。担任WASA'17会议Session Chair, ICC'19/ICC'20 MWN Symposium TPC Member, DSONAM'20 workshop chair, HHME 2020 Session Chair。

3 学术成果

期刊论文

18. **Jiaying Shang***, Shuo Huang, Dingyang Zhang, Zixuan Peng, Dajiang Liu, Yong Li, Lexi Xu. RNe2Vec: Information Diffusion Popularity Prediction based on Repost Network Embedding. *Computing*, 2020, *Accepted*. (SCI, JCR Q2)
17. Shufang Zhu, Shangbo Zhou, **Jiaying Shang**, Limin Wang, Baohua Qiang. A multiion particle swarm optimization algorithm based on repellent and attraction forces. *Concurrency and Computation: Practice and Experience*, 2020. (online) (SCI, JCR Q3)
16. Xinjun Cai, **Jiaying Shang***, Ziwei Jin, Feiyi Liu, Baohua Qiang, Wu Xie. DBGE: Employee Turnover Prediction based on Dynamic Bipartite Graph Embedding. *IEEE Access*, 2020, 8: 10390-10402. (SCI, JCR Q1)
15. Yiyang Zhang, Yong Feng*, Dajiang Liu, **Jiaying Shang**, Baohua Qiang. FRWCAE: Joint Faster-RCNN and Wasserstein Convolutional Auto-Encoder for Instance Retrieval. *Applied Intelligence*, 2020, 50: 2208-2221. (SCI, CCF-C, JCR Q2)
14. Yingqi Zhang, Yong Feng*, **Jiaying Shang**, Mingliang Zhou*, Baohua Qiang. Attention-Aware Joint Location Constraint Hashing for Multi-Label Image Retrieval. *IEEE Access*, 2019, 8: 3294-3307. (SCI, JCR Q1)
13. Qizhu Dai, Zhongyang Xiong, Jiang Xie, Xiaoxia Wang, Yufang Zhang, **Jiaying Shang**. A novel clustering algorithm based on the natural reverse nearest neighbor structure. *Information Systems*, 2019, 84: 1-16. (SCI, CCF-B, JCR Q3)
12. 冯永, 张春平, 强保华, 张逸扬, **尚家兴**. GP-WIRGAN: 梯度惩罚优化的Wasserstein图像循环生成对抗网络模型[J]. *计算机学报*, 2020, 43(02): 190-205. (EI, A类中文期刊)
11. Mengting Xiong, Yong Feng*, Ting Wu, **Jiaying Shang**, Baohua Qiang, Yanan Wang. TDCTFIC: A Novel Recommendation Framework Fusing Temporal Dynamics, CNN-Based Text Features and Item Correlation. *IEICE Transactions on Information and Systems*, 2019, 102(8): 1517-1525. (SCI, JCR Q4)
10. 冯永*, 张备, 强保华, 张逸扬, **尚家兴**. MN-HDRM: 长短兴趣多神经网络混合动态推荐模型[J]. *计算机学报*, 2019, 42(01): 16-28. (EI, A类中文期刊)

9. **Jiaying Shang***, Hongchun Wu, Shangbo Zhou, Jiang Zhong, Yong Feng, and Baohua Qiang. IMPC: Influence Maximization based on Multi-Neighbor Potential in Community Networks. *Physica A: Statistical Mechanics and its Applications*, 2018, 512: 1085-1103. (**SCI, JCR Q2**)
8. Dajiang Liu*, Shouyi Yin, Guojie Luo, **Jiaying Shang**, Leibo Liu, Shaojun Wei, Yong Feng, Shangbo Zhou. Data-Flow Graph Mapping Optimization for CGRA with Deep Reinforcement Learning. *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, 2018, 38(12): 2271-2283. (**CCF-A, JCR Q2**)
7. Hongchun Wu, **Jiaying Shang***, Shangbo Zhou, Yong Feng, Baohua Qiang, and Wu Xie. LAIM: A Linear Time Iterative Approach for Efficient Influence Maximization in Large-Scale Networks. *IEEE Access*, 2018, 6: 44221-44234. (**SCI, JCR Q1**)
6. Ting Wu, Yong Feng*, **Jiaying Shang**, Baohua Qiang, Yanan Wang. A Novel Recommendation Algorithm Incorporating Temporal Dynamics, Reviews and Item Correlation, *IEICE TRANSACTIONS on Information and Systems*, 2018, 101 (8): 2027-2034. (**SCI, JCR Q4**)
5. **Jiaying Shang***, Shangbo Zhou, Xin Li, Lianchen Liu and Hongchun Wu. CoFIM: A community-based framework for influence maximization on large-scale networks. *Knowledge-based Systems*, 2017, 117: 80-100. (**SCI, CCF-C, JCR Q1**)
4. **Jiaying Shang***, Lianchen Liu, Xin Li, Feng Xie, and Cheng Wu. Targeted Revision: A Learning-based Approach for Incremental Community Detection in Dynamic Networks. *Physica A: Statistical Mechanics and its Applications*, 2016, 443: 70-85. (**SCI, JCR Q2**)
3. **Jiaying Shang***, Lianchen Liu, Xin Li, Feng Xie, and Cheng Wu. Epidemic spreading in complex networks with overlapping and non-overlapping community structure. *Physica A: Statistical Mechanics and its Applications*, 2015, 419: 171-182. (**SCI, JCR Q2**)
2. Feng Xie*, Zhen Chen, **Jiaying Shang**, Xiaoping Feng, and Jun Li. A link prediction approach for item recommendation with complex number. *Knowledge-Based Systems*, 2015, 80: 148-158. (**SCI, CCF-C, JCR Q1**)

1. Feng Xie*, Zhen Chen,**Jiaying Shang**, Xiaoping Feng, and Jun Li. A link prediction approach for item recommendation with complex number. Knowledge-Based Systems, 2015, 80: 148-158. (SCI, CCF-C, JCR Q1)

会议论文

21. Hongnian Chen, **Jiaying Shang***, Xinbin Zhao, Xu Li, Linjiang Zheng, Fengzhang Chen. A Deep Learning Method for Landing Pitch Prediction based on Flight Data. The 2020 IEEE 2nd International Conference on Civil Aviation Safety and Information Technology (ICCASIT 2020), Oct 14-16th, 2020, Weihai, China. (*Accepted*, EI)

20. Ziwei Jin, **Jiaying Shang***, Qianwen Zhu, Chen Ling, Wu Xie, Baohua Qiang. RFRSF: Employee Turnover Prediction based on Random Forests and Survival Analysis. The 21st International Conference on Web Information Systems Engineering (WISE 2020), Oct 20-24th, 2020, Amsterdam and Leiden, Netherlands. (*Accepted*, EI, CCF-C)

19. Zongwei Kang, **Jiaying Shang***, Yong Feng*, Linjiang Zheng, Dajiang Liu, Baohua Qiang, Ran Wei. A Deep Sequence-to-Sequence Method for Aircraft Landing Speed Prediction based on QAR Data. The 21st International Conference on Web Information Systems Engineering (WISE 2020), Oct 20-24th, 2020, Amsterdam and Leiden, Netherlands. (*Accepted*, EI, CCF-C)

18. Xu Li, **Jiaying Shang***, Linjiang Zheng, Dajiang Liu, Lin Qi, and Liu Liu. CurveCluster: Automated Recognition of Hard Landing Patterns based on QAR Curve Clustering. The 16th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC), Aug 19-23rd, 2019, Leicester, UK. (EI, CCF-C)

17. Qianwen Zhu, **Jiaying Shang***, Xinjun Cai, Linli Jiang, Feiyi Liu, Baohua Qiang. CoxRF: Employee Turnover Prediction based on Survival Analysis. The 16th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC), Aug 19-23rd, 2019, Leicester, UK. (EI, CCF-C)

16. **Jiaying Shang***, Xiaofan Yan, Linhui Feng, Haojie Wang, and Shangbo Zhou. ExtTra: Short-Term Traffic Flow Prediction based on Extremely Randomized Trees. The 25th International Conference on Neural Information Processing (ICONIP), pp. 532-544, Dec 13-16th, 2018, Siem Reap, Cambodia. (EI, CCF-C)

15. Dongdong Niu, Yong Feng*, **Jiaying Shang**, and Baohua Qiang. SCE-MSPFS: A Novel Deep Convolutional Features Selection Method for Image Retrieval. The 25th International Conference on Neural Information Processing (ICONIP), pp. 269-281, Dec 13-16th, 2018, Siem Reap, Cambodia. (EI, CCF-C)
14. Chunping Zhang, Yong Feng*, Baohua Qiang, **Jiaying Shang**. Wasserstein Generative Recurrent Adversarial Networks for Image Generating. The 24th International Conference on Pattern Recognition (ICPR), pp. 242-247, Aug 8-24th, 2018, Beijing. (EI, CCF-C)
13. **Jiaying Shang***, Jinghao Wang, Ge Liu, Hongchun Wu, Shangbo Zhou, and Yong Feng. App Uninstalls Prediction: A Machine Learning and Time Series Mining Approach. The 24th International Conference on Neural Information Processing (ICONIP), pp. 514-522, Nov 14-17th, 2017, Guangzhou. (EI, CCF-C)
12. Hongchun Wu, **Jiaying Shang***, Shangbo Zhou and Yong Feng. A Linear Time Algorithm for Influence Maximization in Large-scale Social Networks. The 24th International Conference on Neural Information Processing (ICONIP), pp. 752-761, Nov 14-17th, 2017, Guangzhou. (EI, CCF-C)
11. **Jiaying Shang***, Hongchun Wu, Shangbo Zhou, Lianchen Liu, Hongbin Tang. Effective Influence Maximization based on the Combination of Multiple Selectors. The 12th International Conference on Wireless Algorithms, Systems, and Applications (WASA), pp. 572-583, Jun 19-21, 2017, Guilin. (EI, CCF-C)
10. Lu Chen*, Lianchen Liu, **Jiaying Shang**. Fault Tolerance for Web Service Based on Component Importance in Service Networks. In ACM 5th International Conference on Network, Communication and Computing (ICNCC), 103-109, 2016. (EI)
9. Feng Xie*, Zhen Chen, **Jiaying Shang**, Wenliang Huang, and Jun Li. Item Similarity Learning Methods for Collaborative Filtering Recommender Systems. In IEEE 29th International Conference on Advanced Information Networking and Applications (AINA), 2015. (EI)
8. **Jiaying Shang***, Lianchen Liu, Feng Xie, and Cheng Wu. How overlapping community structure affects epidemic spreading in complex networks. In Workshop Proceedings of the 38th IEEE Computer Software and Application Conference

(COMSACW), 2014. (IEEE Signature Conference, EI)

7. Feng Xie*, Zhen Chen, **Jiaying Shang**, XiaopingFeng, Weiliang Huang, Jun Li. A Link Prediction Approach for Item Recommendation with Complex Number. IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology, Warsaw, Poland, 2014 (EI)

6. Lu Chen*, Lianchen Liu, **Jiaying Shang**. An Improved Service Oriented Architecture to Enhance the Usability of Web Service in CERS. In Proceedings of the 7th International Symposium on Computational Intelligence and Design (ISCID), 2014. (EI)

5. **Jiaying Shang***, Lianchen Liu, Cheng Wu. WSCN: Web service composition based on complex networks. In IEEE 5th International Conference on Service Science (ICSS), 2013. (EI)

4. **Jiaying Shang***, Lianchen Liu, Feng Xie, et al. A real-time detecting algorithm for tracking community structure of dynamic networks. In ACM 6th SNA-KDD workshop, 2012.

3. Anyan Chen*, Lianchen Liu, **Jiaying Shang**. A Hybrid Strategy to Construct Scientific Instrument Ontology from Relational Database Model. In Proceedings of the International Conference on Computer Distributed Control and Intelligent Environmental Monitoring (CDCIEM), 2012. (EI)

2. **Jiaying Shang***, Lianchen Liu. Design and implementation of a new architecture to share cross-platform resources and services. In Proceedings of the 2th International conference on Service Science and Engineering (ICISE), 2010. (EI)

1. Shou Yan*, **Jiaying Shang**, Lianchen Liu. Design and Implementation of Status Monitoring System for e-Learning Web Service. Computing and Intelligent Systems, 158-165, 2011. (EI)

4 专利

1. **尚家兴**;蔡昕均;刘飞逸;江林丽;朱倩雯;李旭.基于图嵌入的员工离职行为预测方法与装置,中华人民共和国发明专利,申请号: 201910864727.7

2. **尚家兴**;朱倩雯;武红春;周尚波;冯永;钟将.一种基于迭代决策树的电信用户分类方法,中华人民共和国发明专利,申请号:201810321941.3
3. 武红春; **尚家兴**;周尚波;冯永;万里;许冶金.一种具有线性时间复杂度的影响力最大化算法,中华人民共和国发明专利,申请号:201710327552.7
4. **尚家兴**;武红春;周尚波;林晓然;齐颖;许冶金.一种基于多选择器组合的影响最大化结构,中华人民共和国发明专利,申请号:201611085292.9
5. **尚家兴**;武红春;周尚波;林晓然;齐颖;许冶金.一种基于多层潜力和社区结构的影响最大化方法,中华人民共和国发明专利,申请号:201610956550.X
6. **尚家兴**;武红春;周尚波;林晓然;齐颖;吴晓雨.一种基于社区结构的影响最大化方法,中华人民共和国发明专利,申请号:CN201610340219.5
7. **尚家兴**;刘连臣;谢峰;徐磊;吴澄.一种移动应用的推荐方法、客户端及服务器,中华人民共和国发明专利,专利号:ZL201310201540.1 (已授权)
8. **尚家兴**;刘连臣;谢峰;陈安燕;徐磊.动态网络社区结构的更新方法与装置,中华人民共和国发明专利,专利号:ZL201210185451.8 (已授权)
9. 陈震; 谢峰;冯喜伟; **尚家兴**;曹军威.基于线性回归的推荐方法及系统,中华人民共和国发明专利,专利号:ZL201410148936.9 (已授权)
10. 谢峰; 陈震; **尚家兴**;曹军威;李军.基于链路预测的推荐方法和系统,中华人民共和国发明专利,申请号:CN201310228464.3,公开号: CN103309972A

5 专著

无

6 项目

国家自然科学基金地区基金，项目批准号：61966008，融合线上社交网络与线下地理位置的影响力最大化问题研究，2020.1-2023.12（参与单位负责人）

国家自然科学基金青年基金，项目批准号：61702059，大数据驱动的社交网络影响力最大化问题研究，2018.1-2020.12（主持）

重庆市基础研究与前沿探索项目，项目批准号：cstc2018jcyjAX0340，深度融合地理位置与社交网络大数据的影响力最大化问题研究，2018.7.1-2021.6.30（主持）

重庆市博士后科研项目特别资助，项目批准号：Xm2017125，面向异构大数据的社交网络影响力学习与最大化，2017.10-2018.10（主持）

广西可信软件重点实验室重点资助课题（横向研究课题），项目合同号：kx201702，基于大数据参数学习的社交网络影响力最大化问题研究，2017.9-2020.8（主持）

中国博士后科学基金第61批面上资助，项目编号：2017M612913，基于大数据的大规模社交网络影响力最大化问题研究，2017.5-2018.5（主持）

中央高校基本科研业务专项,项目号：106112016CDJXY180003,基于社区结构的影响最大化方法研究, 2016.4-2017.12, 已结题(主持)

重庆市重点产业共性关键技术创新专项重大主题专项，项目号：cstc2017zdcy-zdzcX0010，共享大数据智慧人力综合服务平台构建与多领域应用，2017.7-2019.6（课题负责人）

国家重点研发计划，项目号：2017YFB1402400，专业内容知识服务众智平台与应用示范，2017.12-2020.11（参与）

7 教学

1. 2016-2019年秋季，《传感器原理及应用》，物联网专业课程，2学分
2. 2019年春季，《传感器网络原理与应用》，物联网专业课程，3学分
3. 2017-2019年，《信息技术与社会》，本科通识课，2学分

4. 2020年秋季, 《大数据导论》, 本科专业课, 2.5学分

8 学生指导

本科生

2015级: 朱倩雯 (优秀本科毕设, 保研至南大), 董铮 (国创优秀, 保研至北航), 闫晓帆 (国创优秀, 保研至北邮), 冯琳慧 (保研至国防科大), 王浩杰 (华为就业)

研究生

2018级: 李旭, 蔡昕均, 靳紫薇

2019级: 陈红年, 凌晨, 杨晓娟

2020级: 胡庆弘, 贾雪琪, 钟林泱

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