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所在单位：福州大学计算机与大数据学院
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主要研究方向

图神经网络，可解释神经网络，多视角学习，低秩优化，矩阵填充，机器学习，

教育经历

09/2019 至今 博士研究生 计算机科学与技术（硕博连读）
福州大学 计算机与大数据学院
导师：郭文忠教授，王石平教授

10/2022—10/2023 博士联合培养
维也纳大学 计算机科学学院
导师：Claudia Plant 教授

09/2015—06/2019 工学学士学位 软件工程
福州大学 数学与计算机科学学院
导师：陈飞教授

主要学术成果

导师第一作者 † 所指导硕士研究生

1. **Zhaoliang Chen**, Zhihao Wu, Zhenghong Lin, Shiping Wang, Claudia Plant and Wenzhong Guo. AGNN: Alternating Graph-Regularized Neural Networks to Alleviate Over-Smoothing. *IEEE Transactions on Neural Network and Learning Systems (TNNLS)* (**SCI Q1, CCF Rank B**).
2. **Zhaoliang Chen**, Zhihao Wu, Shiping Wang, and Wenzhong Guo. Dual Low-Rank Graph Autoencoder for Semantic and Topological Networks. *The Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI)*, 2023, 37 (4): 4191-4198 (**CCF Rank A, Acceptance rate = 19.6%**).
3. **Zhaoliang Chen**, Lele Fu, Jie Yao, Wenzhong Guo, Claudia Plant, Shiping Wang. Learnable Graph Convolutional Network and Feature Fusion for Multi-view Learning. *Information Fusion*, 2023, 95: 109-119 (**SCI Q1, CCF Rank B, ESI Highly Cited Paper**).
4. Shiping Wang[#], **Zhaoliang Chen**[#], Shide Du, Zhouchen Lin. Learning Deep Sparse Regularizers with Applications to Multi-View Clustering and Semi-Supervised Classification. *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2022, 44 (9): 5042—5055 (**SCI Q1, CCF Rank A**).

5. **Zhaoliang Chen**, Lele Fu, Shunxin Xiao, Shiping Wang, Claudia Plant, Wenzhong Guo. Multi-Channel Graph Convolutional Network with Differentiable Node Selection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2024, 18(1): 1-21 (**CCF Rank B, SCI Q2**).
6. **Zhaoliang Chen**, Jie Yao, Guobao Xiao, Shiping Wang. Efficient and Differentiable Low-rank Matrix Completion with Back Propagation. *IEEE Transactions on Multimedia (TMM)*, 2023, 25: 228-242 (**SCI Q1, CCF Rank B**).
7. **Zhaoliang Chen**, Shiping Wang. A Review on Matrix Completion for Recommender Systems. *Knowledge and Information Systems (KAIS)*, 2022, 64 (1): 1-34 (**CCF Rank B, SCI Q3**).
8. **Zhaoliang Chen**, Wei Zhao, Shiping Wang. Kernel Meets Recommender Systems: A Multi-kernel Interpolation for Matrix Completion. *Expert Systems with Applications*, 2021, 168: 114436 (**SCI Q1**).
9. Luying Zhong[†], **Zhaoliang Chen**, Zhihao Wu, Shide Du, Zheyi Chen, and Shiping Wang. Learnable Graph Convolutional Network with Semi-supervised Graph Information Bottleneck. *IEEE Transactions on Neural Network and Learning Systems (TNNLS)*, 2023. (**SCI Q1, CCF Rank B**)
10. Yuhong Chen[†], Zhihao Wu[†], **Zhaoliang Chen**, Mianxiong Dong, Shiping Wang. Joint Learning of Feature and Topology for Multi-view Graph Convolutional Network, *Neural Networks*, 2023, 168: 161-170. (**SCI Q1, CCF Rank B**).
11. Shunxin Xiao, Shide Du, **Zhaoliang Chen**, Yunhe Zhang, Shiping Wang. Dual Fusion-Propagation Graph Neural Network for Multi-View Clustering. *IEEE Transactions on Multimedia (TMM)*, 2023 (**SCI Q1, CCF Rank B**).
12. Zhihao Wu[†], Xincan Lin, Zhenghong Lin, **Zhaoliang Chen**, Shiping Wang. Interpretable Graph Convolutional Network for Multi-view Semi-supervised Learning. *IEEE Transactions on Multimedia (TMM)*, 2023 (**SCI Q1, CCF Rank B**).
13. Luying Zhong[†], Jinbin Yang, **Zhaoliang Chen**, and Shiping Wang. Contrastive Graph Convolutional Networks with Generative Adjacency Matrix. *IEEE Transactions on Signal Processing (TSP)*, 2023 (**SCI Q1**).
14. Lele Fu, **Zhaoliang Chen**, Yongyong Chen, and Shiping Wang. Unified Low-Rank Tensor Learning and Spectral Embedding for Multi-View Subspace Clustering. *IEEE Transactions on Multimedia (TMM)*, 2022 (**SCI Q1, CCF Rank B**).
15. Zexi Chen, Pengfei Lin, **Zhaoliang Chen**, Dongyi Ye, and Shiping Wang. Diversity Embedding Deep Matrix Factorization for Multi-view Clustering. *Information Sciences*, 2022, 610: 114-125 (**SCI Q1, CCF Rank B**).
16. Shiping Wang[#], **Zhaoliang Chen**[#], William Zhu, Fei-Yue Wang. Deep Random Walk of Unitary Invariance for Large-scale Data Representation. *Information Sciences*, 2021, 554: 1-14 (**SCI Q1, CCF Rank B**).

17. Lele Fu, **Zhaoliang Chen**, S Huang, S Huang, Shiping Wang. Multi-View Learning via Low-Rank Tensor Optimization. *IEEE International Conference on Multimedia and Expo (ICME)*, 2021, 1-6 (CCF Rank B, Acceptance rate = 30%).
18. Shide Du, Zhanghui Liu, **Zhaoliang Chen**, Wenyuan Yang, Shiping Wang. Differentiable Bi-sparse Multi-view Co-clustering. *IEEE Transactions on Signal Processing (TSP)*, 2021, 69: 4623 – 4636 (SCI Q1).

同行评议中的学术成果

1. **Zhaoliang Chen**, Zhihao Wu, Claudia Plant, Shiping Wang, Wenzhong Guo. Attributed Multi-order Graph Convolutional Network for Heterogeneous Graphs. *Neural Networks*. (Major Revision, **SCI Q1, CCF Rank B**)
2. **Zhaoliang Chen**, Zhihao Wu, Ylli Sadikaj, Claudia Plant, Hong-Ning Dai, Shiping Wang, Wenzhong Guo. ADEdgeDrop: Adversarial Edge Dropping for Robust Graph Neural Networks. *Submitted to AAAI* (CCF Rank A).

学术服务

- 审稿人: IEEE TSMC, Artificial Intelligence Review, Information Sciences.

获奖与荣誉

- 2022: 博士研究生国家奖学金
国家公派留学奖学金
- 2021: 福州大学学术达人
博士研究生新生特等奖学金
硕士研究生中期二等奖学金
- 2019: 福州大学硕士优秀新生特等奖学金
福州大学本科优秀毕业设计
中国软件杯全国大学生软件设计大赛三等奖

主要参与项目

- 国家自然科学基金面上项目, 基于可微分网络的跨媒体多视图度量学习研究, 62276065, 54 万, 2023.01-2026.12
- 国家自然科学基金海峡联合基金重点项目, 跨网络跨媒体的两岸热点事件智能挖掘与推送, U21A20472, 260 万, 2022.01-2025.12
- 福建省自然科学基金面上项目, 多视角半监督特征融合与数据分类关键技术研究, 2020J01130193, 7 万, 2020.08-2023.07
- 国家自然科学基金海峡联合基金重点项目, 面向两岸热点事件的社交多媒体大数据协同感知与计算, U1705262, 250 万, 2018.1-2021.12