

# 傅炜杰

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## 教育背景

09/2015 ~ 05/2021 博士在读, 合肥工业大学  
主修: 信号与信息处理  
导师: 汪萌教授  
09/2011 ~ 06/2015 本科, 合肥工业大学  
主修: 电子信息工程  
导师: 汪萌教授, 郝世杰副教授

## 工作经历

03/2019 ~ 07/2020 访问学者, 德州 A&M 大学, 美国  
可解释的机器学习和模型鲁棒性研究  
合作导师: Prof. Xia Ben Hu  
11/2016 ~ 03/2017 访问学生, 曼彻斯特大学, 英国  
大规模机器学习算法研究  
合作导师: Dr. Tingting Mu

## 研究兴趣

大规模机器学习的高效算法  
深度学习的可解释性和鲁棒性

## 论文发表 (谷歌学术) 被引用次数: 240+, h-index: 5, 截止 2021.01.31

TPAMI **Weijie Fu**, Meng Wang, Mengnan Du, Ninghao Liu, Shijie Hao, Xia Hu, Differentiated Explanation of Deep Networks with Skewed Distributions, IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021.  
TKDE Meng Wang (导师), **Weijie Fu**, Xiangnan He, Shijie Hao, Xindong Wu, A Survey on Large-Scale Machine Learning, IEEE Transactions on Knowledge and Data Engineering, 2020.  
ACCESS Wei Qin, Zhenzhen Hu, Xueliang Liu, **Weijie Fu**, Jun He, Richang Hong, The Balanced Loss Curriculum Learning, IEEE Access, 2020.  
MMM Hengtong, Hu, Richang Hong, **Weijie Fu**, Meng Wang, Efficient Graph Based Multi-view Learning. International Conference on Multimedia Modeling, 2019.  
SIGKDD **Weijie Fu**, Meng Wang, Shijie Hao, Xindong Wu, Scalable Active Learning by Approximated Error Reduction, ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2018.  
TBD **Weijie Fu**, Meng Wang, Shijie Hao, Tingting Mu, FLAG: Faster Learning on Anchor Graph with Label Predictor Optimization, IEEE Transactions on Big Data, 2017.  
TKDE Meng Wang (导师), **Weijie Fu**, Shijie Hao, Xindong Wu, Learning on Big Graph: Label Inference and Regularization with Anchor Hierarchy, IEEE Transactions on Knowledge and Data Engineering, 2017.  
Neurocomputing **Weijie Fu**, Shijie Hao, Meng Wang, Active learning on Anchor Graph with an Improved Transductive Experimental Design, Neurocomputing, 2016.  
TKDE Meng Wang (导师), **Weijie Fu**, Shijie Hao, Dacheng Tao, Xindong Wu, Scalable Semi-Supervised Learning by Efficient Anchor Graph Regularization, IEEE Transactions on Knowledge and Data Engineering, 2016.  
Neurocomputing Jiang Rui, **Weijie Fu**, Shijie Hao, Li Wen, Richang Hong, Dimensionality Reduction on Anchor Graph with an Efficient Locality Preserving Projection, Neurocomputing, 2016.

## 应邀报告

伦敦 Scalable Active Learning by Approximated Error Reduction, Oral, SIGKDD, 2018.

## 学术服务 (技术程序委员会成员或审稿人)

会议 ICMR-2016, MMM-2017, PCM-2018, SIGIR-2020, ACM MM-2020, AAI-2021, CVPR-2021, ECCV-2021.  
期刊 TKDE, TNNLS, TCSVT, TBD, MTAP, Neurocomputing.

## 主要荣誉和奖项

2018 国家留学基金委公派奖学金  
2018 研究生国家奖学金  
2018 SIGKDD 学生旅行资助奖

# Weijie Fu

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## Education

09/2015	<b>Ph.D Candidate</b> , Hefei University of Technology
~05/2021	Major: <b>Signal and Information Processing</b> Advisor: Prof. Meng Wang
09/2011	<b>B.E.</b> , Hefei University of Technology
~ 06/2015	Major: <b>Electronical Engineering</b> Advisor: Prof. Meng Wang , Prof. Shijie Hao

## Experience

03/2019	Visiting Scholar, Texas A&M University, United States
~ 07/2020	Interpretable machine learning and adversarial defense Co-advisor: Prof. Xia Ben Hu
11/2016	Visiting Student, University of Manchester, United Kingdom
~ 03/2017	Large-scale machine learning Co-advisor: Dr. Tingting Mu

## Research Interests

Large-scale Machine Learning  
Interpretable and Robust Deep Learning

## Publications (Google Scholar) citations: 240+, h-index: 5, as of January 31, 2021

TPAMI	<b>Weijie Fu</b> , Meng Wang, Mengnan Du, Ninghao Liu, Shijie Hao, Xia Hu, Differentiated Explanation of Deep Networks with Skewed Distributions, IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021.
TKDE	Meng Wang ( <b>Advisor</b> ), <b>Weijie Fu</b> , Xiangnan He, Shijie Hao, Xindong Wu, A Survey on Large-Scale Machine Learning, IEEE Transactions on Knowledge and Data Engineering, 2020.
ACCESS	Wei Qin, Zhenzhen Hu, Xueliang Liu, Weijie Fu, Jun He, Richang Hong, The Balanced Loss Curriculum Learning, IEEE Access, 2020.
MMM	Hengtong, Hu, Richang Hong, <b>Weijie Fu</b> , Meng Wang, Efficient Graph Based Multi-view Learning, International Conference on Multimedia Modeling, 2019.
SIGKDD	<b>Weijie Fu</b> , Meng Wang, Shijie Hao, Xindong Wu, Scalable Active Learning by Approximated Error Reduction, ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2018.
TBD	<b>Weijie Fu</b> , Meng Wang, Shijie Hao, Tingting Mu, FLAG: Faster Learning on Anchor Graph with Label Predictor Optimization, IEEE Transactions on Big Data, 2017.
TKDE	Meng Wang ( <b>Advisor</b> ), <b>Weijie Fu</b> , Shijie Hao, Xindong Wu, Learning on Big Graph: Label Inference and Regularization with Anchor Hierarchy, IEEE Transactions on Knowledge and Data Engineering, 2017.
Neurocomputing	<b>Weijie Fu</b> , Shijie Hao, Meng Wang, Active learning on Anchor Graph with an Improved Transductive Experimental Design, Neurocomputing, 2016.
TKDE	Meng Wang ( <b>Advisor</b> ), <b>Weijie Fu</b> , Shijie Hao, Dacheng Tao, Xindong Wu, Scalable Semi-Supervised Learning by Efficient Anchor Graph Regularization, IEEE Transactions on Knowledge and Data Engineering, 2016.
Neurocomputing	Jiang Rui, <b>Weijie Fu</b> , Shijie Hao, Li Wen, Richang Hong, Dimensionality Reduction on Anchor Graph with an Efficient Locality Preserving Projection, Neurocomputing, 2016.

## Professional Talks

London Scalable Active Learning by Approximated Error Reduction, Oral, SIGKDD, 2018.

## Academic Services

Conference	ICMR-2016, MMM-2017, PCM-2018, SIGIR-2020, ACM MM-2020, AAAI-2021, CVPR-2021, ECCV-2021.
Journal	TKDE, TNNLS, TCSVT, TBD, MTAP, Neurocomputing.

## Major Honors & Awards

2018	Chinese Scholarship Council Funding
2018	National Scholarship for Graduate Student
2018	SIGKDD Student Travel Award