Conference

2025

SpatialWebAgent: Leveraging Large Language Models for Automated Spatial Information Extraction and Map Grounding
Shunfeng Zheng, **Meng Fang**, Ling Chen
Association for Computational Linguistics ACL 2025 Demo

ATLAS: Agent Tuning via Learning Critical Steps
Zhixun Chen, Ming Li, Yuxuan Huang, Yali Du, **Meng Fang**, Tianyi Zhou
Association for Computational Linguistics ACL 2025 Findings

Unmasking Style Sensitivity: A Causal Analysis of Bias Evaluation Instability in Large Language Models
Jiaxu Zhao, **Meng Fang**, Kun Zhang, Mykola Pechenizkiy
Association for Computational Linguistics ACL 2025

Understanding Large Language Model Vulnerabilities to Social Bias Attacks
Jiaxu Zhao, **Meng Fang**, Fanghua Ye, Ke Xu, Qin Zhang, Joey Tianyi Zhou, Mykola Pechenizkiy
Association for Computational Linguistics ACL 2025

Who Can Withstand Chat-Audio Attacks? An Evaluation Benchmark for Large Language Models
Wanqi Yang, Yanda Li, **Meng Fang**, Yunchao Wei, Ling Chen
Association for Computational Linguistics ACL 2025 Findings

Enhancing Input-Label Mapping in In-Context Learning with Contrastive Decoding
Keqin Peng, Liang Ding, Yuanxin Ouyang, **Meng Fang**, Yancheng Yuan, Dacheng Tao
Association for Computational Linguistics ACL 2025

Hazards in Daily Life? Enabling Robots to Proactively Detect and Resolve Anomalies
Zirui Song, Guangxian Ouyang, **Meng Fang**, Hongbin Na, Zijing Shi, Zhenhao Chen, fu yujie, Zeyu Zhang, Shiyu Jiang, Miao Fang, Ling Chen, Xiuying Chen
North American Chapter of the Association for Computational Linguistics (NAACL 2025, main)

Monte Carlo Planning with Large Language Model for Text-Based Games
Zijing Shi, **Meng Fang**, Ling Chen
International Conference on Learning Representations (ICLR 2025)

RuAG: Learned-rule-augmented Generation for Large Language Models
Yudi Zhang, Pei Xiao, Lu Wang, Chaoyun Zhang, **Meng Fang**, Yali Du, Yevgeniy Puzyrev, Randolph Yao, Si Qin, Qingwei Lin, Mykola Pechenizkiy, Dongmei Zhang, Saravan Rajmohan, Qi Zhang
International Conference on Learning Representations (ICLR 2025)

Towards Empowerment Gain through Causal Structure Learning in Model-Based RL
Hongye Cao, Fan Feng, **Meng Fang**, Shaokang Dong, Tianpei Yang, Jing Huo, Yang Gao
International Conference on Learning Representations (ICLR 2025)

Tackling Data Corruption in Offline Reinforcement Learning via Sequence Modeling
Jiawei Xu, Rui Yang, Shuang Qiu, Feng Luo, **Meng Fang**, Baoxiang Wang, Lei Han
International Conference on Learning Representations (ICLR 2025)

HASARD: A Benchmark for Harnessing Safe Reinforcement Learning with Doom
Tristan Tomilin, **Meng Fang**, Mykola Pechenizkiy
International Conference on Learning Representations (ICLR 2025)

2024

Understanding, Rehearsing, and Introspecting: Learn a Policy from Textual Tutorial Books in Football Games
Xiong-Hui Chen, Ziyan Wang, Yali Du, Shengyi Jiang, **Meng Fang**, Yang Yu, Jun Wang
Conference on Neural Information Processing Systems (NeurIPS 2024) **oral**

Learning to Discuss Strategically: A Case Study on One Night Ultimate Werewolf
Xuanfa Jin, Ziyan Wang, Yali Du, **Meng Fang**, Haifeng Zhang, Jun Wang
Conference on Neural Information Processing Systems (NeurIPS 2024)

LLMs Assist NLP Researchers: Critique Paper (Meta-)Reviewing
Jiangshu Du, …, **Meng Fang**, … (more than 20 authors)
Conference on Empirical Methods in Natural Language Processing (EMNLP 2024)

Revisiting Catastrophic Forgetting in Large Language Model Tuning
Hongyu Li, Liang Ding, **Meng Fang**, Dacheng Tao
Conference on Empirical Methods in Natural Language Processing (EMNLP 2024) Findings

MedINST: Meta Dataset of Biomedical Instructions
Wenhan Han, **Meng Fang**, Zihan Zhang, Yu Yin, Zirui Song, Ling Chen, Mykola Pechenizkiy, Qingyu Chen
Conference on Empirical Methods in Natural Language Processing (EMNLP 2024) Findings

Enhancing Temporal Sensitivity and Reasoning for Time-Sensitive Question Answering
Wanqi Yang, Yanda Li, **Meng Fang**, Ling Chen
Conference on Empirical Methods in Natural Language Processing (EMNLP 2024) Findings

CHAmbi: A New Benchmark on Chinese Ambiguity Challenges for Large Language Models
Qin Zhang, Sihan Cai, Jiaxu Zhao, Mykola Pechenizkiy, **Meng Fang**
Conference on Empirical Methods in Natural Language Processing (EMNLP 2024) Findings

RetrievalQA: Assessing Adaptive Retrieval-Augmented Generation for Short-form Open-Domain Question Answering
Zihan Zhang, **Meng Fang**, Ling Chen
Association for Computational Linguistics ACL 2024 Findings

More than Minorities and Majorities: Understanding Multilateral Bias in Language Generation
Jiaxu Zhao, Zijing Shi, Yitong Li, Yulong Pei, Ling Chen, **Meng Fang**, Mykola Pechenizkiy
Association for Computational Linguistics ACL 2024 Findings

Task Adaptation from Skills: Information Geometry, Disentanglement, and New Objectives for Unsupervised Reinforcement Learning
Yucheng Yang, Tianyi Zhou, Qiang He, Lei Han, Mykola Pechenizkiy, **Meng Fang**
International Conference on Learning Representations (ICLR 2024) **spotlight**

Adaptive Regularization of Representation Rank as an Implicit Constraint of Bellman Equation
Qiang He, Tianyi Zhou, **Meng Fang**, Setareh Maghsudi
International Conference on Learning Representations (ICLR 2024)

MaDi: Learning to Mask Distractions for Generalization in Visual Deep Reinforcement Learning
Bram Grooten, Tristan Tomilin, Gautham Vasan, Matthew E. Taylor, A. Rupam Mahmood, **Meng Fang**, Mykola Pechenizkiy and Decebal Constantin Mocanu
International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2024)

Automatic Curriculum for Unsupervised Reinforcement Learning
Yucheng Yang, Tianyi Zhou, Lei Han, **Meng Fang** and Mykola Pechenizkiy

International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2024)

UNSUPERVISED MULTIPLE CHOICES QUESTION ANSWERING VIA UNIVERSAL CORPUS
Qin Zhang, Hao Ge, Xiaojun Chen, **Meng Fang**
IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2024)

Human-Guided Moral Decision Making in Text-based Games
Zijing Shi, **Meng Fang**, Ling Chen, Yali Du, Jun Wang
The AAAI Conference on Artificial Intelligence (AAAI 2024)

Large Language Models Are Neurosymbolic Reasoners
Meng Fang*, Shilong Deng*, Yudi Zhang*, Zijing Shi, Ling Chen, Mykola Pechenizkiy, Jun Wang
The AAAI Conference on Artificial Intelligence (AAAI 2024)

ReRoGCRL: Representation-based Robustness in Goal-Conditioned Reinforcement Learning
Xiangyu Yin*, Sihao Wu*, Jiaxu Liu, **Meng Fang**, Xingyu Zhao, Xiaowei Huang, Wenjie Ruan
The AAAI Conference on Artificial Intelligence (AAAI 2024)

2023
How Do Large Language Models Capture the Ever-changing World Knowledge? A Review of Recent Advances
Zihan Zhang*, **Meng Fang***, Ling Chen, Mohammad Reza Namazi Rad, Jun Wang
Conference on Empirical Methods in Natural Language Processing (EMNLP 2023)

Turn-Level Active Learning for Dialogue State Tracking
Zihan Zhang, **Meng Fang**, Fanghua Ye, Ling Chen, Mohammad Reza Namazi Rad
Conference on Empirical Methods in Natural Language Processing (EMNLP 2023)

Enhancing Conversational Search: Large Language Model-Aided Informative Query Rewriting
Fanghua Ye, **Meng Fang**, Shenghui Li, Emine Yilmaz
Conference on Empirical Methods in Natural Language Processing (EMNLP 2023 Findings)

CITB: A Benchmark for Continual Instruction Tuning
Zihan Zhang, **Meng Fang**, Ling Chen, Mohammad Reza Namazi Rad
Conference on Empirical Methods in Natural Language Processing (EMNLP 2023 Findings)

A Minimal Approach for Natural Language Action Space in Text-based Games
Dongwon Kelvin Ryu, **Meng Fang**, Shirui Pan, Gholamreza Haffari, Ehsan Shareghi
Conference on Computational Natural Language Learning (CoNLL 2023)

Interpretable Reward Redistribution in Reinforcement Learning: A Causal Approach
Yudi Zhang, Yali Du, Biwei Huang, Ziyan Wang, Jun Wang, **Meng Fang**, Mykola Pechenizkiy
Conference on Neural Information Processing Systems (NeurIPS 2023)

COOM: A Game Benchmark for Continual Reinforcement Learning
Tristan Tomilin, **Meng Fang**, Yudi Zhang, Mykola Pechenizkiy
Conference on Neural Information Processing Systems (NeurIPS 2023)

Dynamic Sparsity Is Channel-Level Sparsity Learner
Lu Yin, Gen Li, **Meng Fang**, Li Shen, Tianjin Huang, Zhangyang Wang, Vlado Menkovski, Xiaolong Ma, Mykola Pechenizkiy, Shiwei Liu
Conference on Neural Information Processing Systems (NeurIPS 2023)

CHBias: Bias Evaluation and Mitigation of Chinese Conversational Language Models
Jiaxu Zhao*, **Meng Fang***, Zijing Shi, Yitong Li, Ling Chen and Mykola Pechenizkiy

Annual Meetings of the Association for Computational Linguistics (ACL 2023)

A Survey for Efficient Open Domain Question Answering
Qin Zhang, Shangsi Chen, Dongkuan Xu, Qingqing Cao, Xiaojun Chen, Trevor Cohn and **Meng Fang**
Annual Meetings of the Association for Computational Linguistics (ACL 2023)

NLG Evaluation Metrics Beyond Correlation Analysis: An Empirical Metric Preference Checklist
Iftitahu Nimah, **Meng Fang**, Vlado Menkovski and Mykola Pechenizkiy
Annual Meetings of the Association for Computational Linguistics (ACL 2023)

Are Large Kernels Better Teachers than Transformers for ConvNets?
Tianjin Huang, Lu Yin, Zhenyu Zhang, Li Shen, **Meng Fang**, Mykola Pechenizkiy, Zhangyang Wang, Shiwei Liu
International Conference on Machine Learning (ICML 2023)

Eigensubspace of Temporal-Difference Dynamics and How It Improves Value Approximation in Reinforcement Learning
Qiang He, Tianyi Zhou, **Meng Fang**, Setareh Maghsudi
European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECMLPKDD), 2023

Enhancing Adversarial Training via Reweighting Optimization Trajectory
Tianjin Huang, Shiwei Liu, Tianlong Chen, **Meng Fang**, Li Shen, Vlado Menkovski, Lu Yin, Yulong Pei, Mykola Pechenizkiy
European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECMLPKDD), 2023

REST: Debiasing Deep Neural Networks through Reweighted Sparse Training
Jiaxu Zhao, Lu Yin, Shiwei Liu, **Meng Fang**, Mykola Pechenizkiy
European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECMLPKDD), 2023

Stay Moral and Explore: Learn to Behave Morally in Text-based Games
Zijing Shi*, **Meng Fang***, Yunqiu Xu, Ling Chen, Yali Du
International Conference on Learning Representations (ICLR 2023)

Self-imitation Learning for Action Generation in Text-based Games
Zijing Shi, Yunqiu Xu, **Meng Fang**, Ling Chen
European Chapter of the Association for Computational Linguistics (EACL 2023)

2022
Perceiving the World: Question-guided Reinforcement Learning for Text-based Games
Yunqiu Xu, **Meng Fang**, Ling Chen, Yali Du, Joey Tianyi Zhou, Chengqi Zhang
Annual Meetings of the Association for Computational Linguistics (ACL 2022)

A Model-agnostic Data Manipulation Method for Persona-based Dialogue Generation
Yu Cao, Wei Bi, **Meng Fang**, Shuming Shi, Dacheng Tao
Annual Meetings of the Association for Computational Linguistics (ACL 2022)

Fire Burns, Swords Cut: Commonsense Inductive Bias for Exploration in Text-based Games
Dongwon Kelvin Ryu, Ehsan Shareghi, **Meng Fang**, Yunqiu Xu, Shirui Pan, Reza Haf
Annual Meetings of the Association for Computational Linguistics (ACL 2022, short)

TASA: Deceiving Question Answering Models by Twin Answer Sentences Attack
Yu Cao, Dianqi Li, **Meng Fang,** Tianyi Zhou, Jun Gao, Yibing Zhan, Dacheng Tao

Conference on Empirical Methods in Natural Language Processing (EMNLP 2022)

Is Neural Topic Modelling Better than Clustering? An Empirical Study on Clustering with Contextual
Embeddings for Topics
Zihan Zhang, **Meng Fang**, Ling Chen, Mohammad Reza Namazi Rad
North American Chapter of the Association for Computational Linguistics (NAACL 2022, short)

Phrase-level Textual Adversarial Attack with Label Preservation
Yibin Lei, Yu Cao, Dianqi Li, Tianyi Zhou, **Meng Fang**, Mykola Pechenizkiy
North American Chapter of the Association for Computational Linguistics (NAACL 2022 Findings)

Rethinking Goal-Conditioned Supervised Learning and Its Connection to Offline RL
Rui Yang, Yiming Lu, Wenzhe Li, Hao Sun, **Meng Fang**, Yali Du, Xiu Li, Lei Han, Chongjie Zhang
International Conference on Learning Representations (ICLR 2022)

You Can Have Better Graph Neural Networks by Not Training Weights at All: Finding Untrained Graph Tickets
Tianjin Huang, Tianlong Chen, **Meng Fang**, Vlado Menkovski, Jiaxu Zhao, Lu Yin, Yulong Pei, Decebal
Constantin Mocanu, Zhangyang Wang, Mykola Pechenizkiy, Shiwei Liu
The 1st Learning on Graphs Conference, LOG 2022
Best Paper Award

Learning Granularity-Unified Representations for Text-to-Image Person Re-identification
Zhiyin Shao, Xinyu Zhang, **Meng Fang**, Zhifeng Lin, Jian Wang, Changxing Ding
The 30th ACM International Conference on Multimedia (ACMMM 2022)

Superposing Many Tickets into One: A Performance Booster for Sparse Neural Network Training
Lu Yin, Vlado Menkovski, **Meng Fang**, Tianjin Huang, Yulong Pei, Mykola Pechenizkiy, Decebal Constantin
Mocanu, Shiwei Liu
The 38th Conference on Uncertainty in Artificial Intelligence (UAI 2022)

2021
Generalization in Text-based Games via Hierarchical Reinforcement Learning
Yunqiu Xu, **Meng Fang**, Ling Chen, Yali Du, Chengqi Zhang
Conference on Empirical Methods on Natural Language Processing (EMNLP 2021 Findings)

DAGN: Discourse-Aware Graph Network for Logical Reasoning
Yinya Huang, **Meng Fang**, Yu Cao, Liwei Wang, Xiaodan Liang
North American Chapter of the Association for Computational Linguistics (NAACL 2021)

Deep Reinforcement Learning for Prefab Assembly Planning in Robot-Based Prefabricated Construction
Aiyu Zhu, Gangyan Xu, Pieter Pauwels, Bauke de Vries, **Meng Fang**
IEEE 17th International Conference on Automation Science and Engineering (CASE 2021)
Best Student Paper Award Finalists

ProtoInfoMax: Prototypical Networks with Mutual Information Maximization for Out-of-Domain Detection
Iftitahu Ni'mah, **Meng Fang**, Vlado Menkovski, Mykola Pechenizkiy
Conference on Empirical Methods on Natural Language Processing (EMNLP 2021 Findings)

REM-Net: Recursive Erasure Memory Network for Commonsense Evidence Refinement
Yinya Huang, **Meng Fang**, Xunlin Zhan, Qingxing Cao, Xiaodan Liang, Liang Lin
The AAAI Conference on Artificial Intelligence (AAAI 2021)

MHER: Model-based Hindsight Experience Replay
Rui Yang, **Meng Fang**, Lei Han, Yali Du, Feng Luo, Xiu Li

Deep Reinforcement Learning Workshop NeurIPS 2021

2020
Deep Reinforcement Learning with Stacked Hierarchical Attention for Text-based Games
Yunqiu Xu*, **Meng Fang***, Ling Chen, Yali Du, Joey Tianyi Zhou, Chengqi Zhang Conference on Neural
Information Processing Systems (NeurIPS 2020)

TStarBot-X: An Open-Sourced and Comprehensive Study for Efficient League Training in StarCraft II Full Game
Lei Han, Jiechao Xiong, Peng Sun, Xinghai Sun, **Meng Fang**, Qingwei Guo, Qiaobo Chen, Tengfei Shi,
Hongsheng Yu, Zhengyou Zhang
(Report & open source, 2020)

Deep Reinforcement Learning with Transformers for Text Adventure Games
Yunqiu Xu, Ling Chen, **Meng Fang**, Yang Wang, Chengqi Zhang
IEEE Conference on Games (CoG 2020)

Pretrained Language Models for Dialogue Generation with Multiple Input Sources
Yu Cao, Wei Bi, **Meng Fang**, Dacheng Tao
Conference on Empirical Methods on Natural Language Processing (EMNLP 2020 Findings)

Unsupervised Domain Adaptation on Reading Comprehension
Yu Cao, **Meng Fang**, Baosheng Yu, Joey Tianyi Zhou
The AAAI Conference on Artificial Intelligence (AAAI 2020)

TLeague: A Framework for Competitive Self-Play based Distributed Multi-Agent Reinforcement Learning
Peng Sun, Jiechao Xiong, Lei Han, Xinghai Sun, Shuxing Li, Jiawei Xu, **Meng Fang**, Zhengyou Zhang
(Report & open source, 2020)

2019 and before
DHER: Hindsight Experience Replay for Dynamic Goals
Meng Fang, Cheng Zhou, Bei Shi, Boqing Gong, Jia Xu, Tong Zhang
International Conference on Learning Representations (ICLR 2019)

Curriculum-guided Hindsight Experience Replay
Meng Fang, Tianyi Zhou, Yali Du, Lei Han, Zhengyou Zhang
Conference on Neural Information Processing Systems (NeurIPS 2019)

Learning to solve a Rubik's Cube with a dexterous hand
Tingguang Li, Weitao Xi, **Meng Fang**, Jia Xu, Max Q-H Meng
IEEE International Conference on Robotics and Biomimetics (ROBIO 2019)

Arena: a toolkit for Multi-Agent Reinforcement Learning
Qing Wang, Jiechao Xiong, Lei Han, **Meng Fang**, Xinghai Sun, Zhuobin Zheng, Peng Sun, Zhengyou Zhang
(Report & open source, 2019)

LIIR: Learning Individual Intrinsic Reward in Multi-Agent Reinforcement Learning
Yali Du*, Lei Han*, **Meng Fang**, Ji Liu, Tianhong Dai, Dacheng Tao
Conference on Neural Information Processing Systems (NeurIPS 2019)

BAG: Bi-directional Attention Entity Graph Convolutional Network for Multi-hop Reasoning Question Answering
Yu Cao, **Meng Fang**, Dacheng Tao
North American Chapter of the Association for Computational Linguistics (NAACL 2019)

A Corpus-free State2Seq User Simulator for Task-oriented Dialogue

Yutai Hou, **Meng Fang**, Wanxiang Che, Ting Liu
The Eighteenth China National Conference on Computational Linguistics (CCL 2019) **Best Poster Presentation Award**

Dual Adversarial Neural Transfer for Low-Resource Named Entity Recognition
Joey Tianyi Zhou, Hao Zhang, Di Jin, Hongyuan Zhu, **Meng Fang**, Rick Siow Mong Goh and Kenneth Kwok
Annual Meetings of the Association for Computational Linguistics (ACL 2019)

Inter-Class Angular Loss for Convolutional Neural Networks
Le Hui, Xiang Li, Chen Gong, **Meng Fang**, Joey Tianyi Zhou, Jian Yang
The AAAI Conference on Artificial Intelligence (AAAI 2019)

Towards Query Efficient Black-box Attacks: An Input-free Perspective
Yali Du*, **Meng Fang***, Jinfeng Yi, Jun Cheng, Dacheng Tao
WORKSHOP ON ARTIFICIAL INTELLIGENCE AND SECURITY (AISec 2018)

Teaching Semi-Supervised Classifier via Generalized Distillation
Chen Gong, Xiaojun Chang, **Meng Fang**, Jian Yang.
International Joint Conference on Artificial Intelligence (IJCAI 2018)

Learning how to Active Learn: A Deep Reinforcement Learning Approach
Meng Fang, Yuan Li, Trevor Cohn
Conference on Empirical Methods on Natural Language Processing (EMNLP 2017)

Model transfer for tagging low-resource languages using a bilingual dictionary
Meng Fang, Trevor Cohn
Annual Meetings of the Association for Computational Linguistics (ACL 2017)

Learning when to trust distant supervision: An application to low-resource POS tagging using cross-lingual projection
Meng Fang, Trevor Cohn
Conference on Computational Natural Language Learning (CoNLL 2016)

Linear Submodular Bandits with a Knapsack Constraint
Baosheng Yu*, **Meng Fang***, Dacheng Tao
The AAAI Conference on Artificial Intelligence (AAAI 2016)

Submodular Asymmetric Feature Selection in Cascade Object Detection
Baosheng Yu, **Meng Fang**, Dacheng Tao, Jie Yin
AAAI Conference on Artificial Intelligence (AAAI 2016)

Iterative Views Agreement: An Iterative Low-Rank Based Structured Optimization Method to Multi-View Spectral Clustering
Yang Wang, Wenjie Zhang, Lin Wu, Xuemin Lin, **Meng Fang**, Shirui Pan
International Joint Conference on Artificial Intelligence (IJCAI 2016)

Multi-label Active Learning Based on Maximum Correntropy Criterion: Towards Robust and Discriminative Labeling
Zengmao Wang, Bo Du, Lefei Zhang, Liangpei Zhang, **Meng Fang**, Dacheng Tao
European Conference on Computer Vision (ECCV 2016)

Multi-resident Location Tracking in Smart Home through Non-wearable Unobtrusive Sensors
Jie Yin, **Meng Fang**, Ghassem Mokhtari, Qing Zhang
International Conference on Smart Homes and Health Telematics (ICOST 2016)

Active Multi-task Learning via Bandits
Meng Fang, Dacheng Tao
SIAM International Conference on Data Mining (SDM 2015)

Saliency Propagation From Simple to Difficult
Chen Gong, Dacheng Tao, Wei Liu, Stephen J. Maybank, **Meng Fang**, Keren Fu, Jie Yang
Computer Vision and Pattern Recognition (CVPR 2015)

Networked Bandits with Disjoint Linear Payoffs
Meng Fang, Dacheng Tao
ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2014)

Active Learning for Crowdsourcing Using Knowledge Transfer
Meng Fang, Jie Yin, Dacheng Tao
The AAAI Conference on Artificial Intelligence (AAAI 2014)

Active exploration: simultaneous sampling and labeling for large graphs
Meng Fang, Jie Yin, Xingquan Zhu
ACM International Conference on Information and Knowledge Management (CIKM 2013)

Transfer Learning across Networks for Collective Classification
Meng Fang, Jie Yin, Xingquan Zhu
IEEE International Conference on Data Mining (ICDM 2013)

Knowledge Transfer for Multi-labeler Active Learning
Meng Fang, Jie Yin, Xingquan Zhu
European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD 2013)

Active Class Discovery and Learning for Networked Data
Meng Fang, Jie Yin, Chengqi Zhang, Xingquan Zhu
SIAM International Conference on Data Mining (SDM 2013)

Self-Taught Active Learning from Crowds
Meng Fang, Xingquan Zhu, Bin Li, Wei Ding, Xindong Wu
International Conference on Data Mining (ICDM 2012)

I don't know the label: Active learning with blind knowledge
Meng Fang, Xingquan Zhu
International Conference on Pattern Recognition (ICPR 2012)
Best Student Paper Award

Journal
Prescribed Safety Performance Imitation Learning from A Single Expert Dataset
Zhihao Cheng, Li Shen, Miaoxi Zhu, Jiaxian Guo, **Meng Fang**, Liu Liu, Bo Du, Dacheng Tao
IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), 2023

Discourse-Aware Graph Networks for Textual Logical Reasoning
Yinya Huang, Lemao Liu, Kun Xu, **Meng Fang**, Liang Lin, Xiaodan Liang
IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), 2023

Joint Reasoning with Knowledge Subgraphs for Multiple Choice
Question Answering

Qin Zhang, Shangsi Chen, Xiaojun Chen, **Meng Fang**
Information Processing & Management 2023

Diversity-augmented intrinsic motivation for deep reinforcement learning
Tianhong Dai, Yali Du, **Meng Fang**, Anil Anthony Bharath
Neurocomputing 2022

On the Guaranteed Almost Equivalence Between Imitation Learning From Observation and Demonstration
Zhihao Cheng, Liu Liu, Aishan Liu, Hao Sun, **Meng Fang**, Dacheng Tao
IEEE Transactions on Neural Network and Learning Systems (TNNLS), 2021

Reinforcement Learning with Multiple Relational Attention for Solving Vehicle Routing Problems
Yunqiu Xu, **Meng Fang**, Ling Chen, Gangyan Xu, Yali Du, Chengqi Zhang
IEEE Transactions on Cybernetics, 2021

Revisiting metric learning for few-shot image classification
Xiaomeng Li, Lequan Yu, Chi-Wing Fu, **Meng Fang**, Pheng-Ann Heng
Neurocomputing, 2020

Data Subset Selection with Imperfect Multiple Labels
Meng Fang, Tianyi Zhou, Jie Yin, Yang Wang and Dacheng Tao
IEEE Transactions on Neural Networks and Learning Systems (TNNLS), 2019

Learning with Annotation of Various Degrees
Joey Tianyi Zhou*, **Meng Fang***, Hao Zhang, Chen Gong, Xi Peng, Zhiguo Cao, Rick Siow Mong Goh
IEEE Transactions on Neural Network and Learning Systems (TNNLS), 2019

Data-driven operational risk analysis in E-Commerce Logistics
Gangyan Xu, Xuan Qiu, **Meng Fang**, Xiaofei Kou, Ying Yu
Advanced Engineering Informatics, 2019

Enhancing the Robustness of Neural Collaborative Filtering Systems Under Malicious Attacks
Yali Du*, **Meng Fang***, Jinfeng Yi, Jun Cheng, Dacheng Tao
IEEE Transactions on Multimedia (TMM), 2019

Transfer Hashing: From Shallow to Deep
Joey Tianyi Zhou, Heng Zhao, Xi Peng, **Meng Fang**, Zheng Qin, Rick Siow Mong Goh
IEEE Transactions on Neural Network and Learning Systems (TNNLS), 2018

Active Exploration for Large Graphs
Meng Fang, Jie Yin, Xingquan Zhu
Data Mining and Knowledge Discovery (DMKD), 2016

Supervised sampling for networked data
Meng Fang, Jie Yin, Xingquan Zhu
Signal Processing, 2016

Per-Round Knapsack Constrained Linear Submodular Bandits
Baosheng Yu, **Meng Fang**, Dacheng Tao
Neural Computation, 2016

Active Multi-Task Learning with Trace Norm Regularization based on Excess Risk
Meng Fang, Jie Yin, Lawrence O. Hall, Dacheng Tao
IEEE Transactions on Cybernetics, 2015

TrGraph: Cross-Network Transfer Learning via Common Signature Subgraphs.
Meng Fang, Jie Yin, Xingquan Zhu, Chengqi Zhang
IEEE Transactions on Knowledge and Data Engineering (TKDE), 2015

Active learning with uncertain labeling knowledge
Meng Fang, Xingquan Zhu
Pattern Recognition Letters, 2014

Hierarchical Sampling for Multi-Instance Ensemble Learning
Hanning Yuan, **Meng Fang**, Xingquan Zhu
IEEE Transactions on Knowledge and Data Engineering (TKDE), 2013