

# 王晋东

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谷歌学术: 被引 3100 次, H-index: 18, 4 篇近 5 年全球高引论文 (2022 年 5 月更新)

## 工作及研究经历

- **微软亚洲研究院** – 研究员 北京, 中国  
迁移学习算法及其在语音、时间序列和视觉中的应用 2019.07 - 至今
- **香港科技大学** – 访问学生 香港, 中国  
迁移学习算法研究. 访问导师: 杨强 2018.04 - 2018.08

## 教育经历

- **中国科学院计算技术研究所** 北京, 中国  
工学博士 - 计算机. 导师: 陈益强 2014.09 - 2019.06
- **北方工业大学** 北京, 中国  
工学学士 - 计算机 2010.09 - 2014.06

## 研究兴趣

- **迁移学习**: 预训练-微调, domain adaptation, domain generalization, OOD generalization
- **应用**: 人体行为识别, 计算机视觉, 时间序列, 语音识别等

## 荣誉奖励及学术服务

- 中国科学院优秀博士论文 (计算所 2020 年唯一一篇)
- 国家奖学金; 中国科学院院长奖学金; 中科院计算所所长特别奖
- IJCAI 2019 联邦学习研讨会最佳应用论文奖; ICCSE 2018 最佳论文奖
- 清华大学 AMiner 十年最具影响力人工智能学者 (AI 2000)
- IJCAI 2019 宣传主席; ICDM 2019 迁移学习 session chair
- 顶级期刊审稿人: IEEE TPAMI, AIJ, TKDE, TIP, AIJ, JASA, 顶级会议 PC member: ICML, NeurIPS, ICLR, CVPR 等

## 代表出版物

- [书籍/专著] 王晋东, 陈益强: **迁移学习导论** (杨强、周志华等好评并撰写推荐语)
- [TASLP'22] W. Hou, H. Zhu, Y. Wang, J. Wang #, T. Qin, R. Xu, and T. Shinozaki: Exploiting Adapters for Cross-lingual Low-resource Speech Recognition. (迁移学习用于低资源、跨语言语音识别)
- [IEEE TKDE'22] Y. Zhang, J. Wang #, Y. Chen, H. Yu, T. Qin: Adaptive Memory Network with Self-supervised Learning for Unsupervised Anomaly Detection. (迁移学习用于多维时间序列异常检测)
- [ACM IMWUT'22] W. Lu, J. Wang #, Y. Chen, X. Qin.: Semantic-discriminative Mixup for Generalizable Cross-domain Activity Recognition. (迁移学习用于跨领域行为识别)
- [ACM TIST'20] J. Wang, Y. Chen, W. Feng, H. Yu, Q. Yang: Transfer Learning with Dynamic Distribution Adaptation. (迁移学习动态领域自适应算法新框架)
- [ICSE'22] Z. Zhang, Y. Li, J. Wang, B. Liu, D. Li, X. Chen, Y. Guo, Y. Liu: ReMoS: Reducing Defect Inheritance in Transfer Learning via Relevant Model Slicing. (安全高效的迁移学习)
- [NeurIPS'21] B. Zhang, Y. Wang, W. Hou, H. Wu, J. Wang #, M. Okumura, T. Shinozaki: FlexMatch: Boosting Semi-Supervised Learning with Curriculum Pseudo Labeling. (迁移学习用于低资源半监督学习算法和代码库)
- [IJCAI'21] J. Wang, C. Lan, C. Liu, T. Qin: Generalizing to Unseen Domains: A Survey on Domain Generalization. (迁移学习中的 OOD 泛化)
- [CIKM'21] Y. Du, J. Wang #, W. Feng, S. Pan, C. Wang: AdaRNN: Adaptive Learning and Forecasting of Time Series. (迁移学习用于多维时间序列 OOD 泛化预测)
- [ACMMM'18 Oral] J. Wang, W. Feng, Y. Chen, Han Yu, M. Huang, P. S. Yu: Visual Domain Adaptation with Manifold Embedded Distribution Alignment (当年所有该会议论文被引第 2 名, 动态流形迁移算法)
- [ICDM'17] J. Wang, Y. Chen, S. Hao, W. Feng, Z. Shen: Balanced Distribution Adaptation for Transfer Learning (当年所有该会议论文被引第 1 名, 平衡迁移学习算法)

## 代表项目与及其他

- 创建并持续维护 Github 上最有影响力的迁移学习项目: **10K+** 星标: [jindongwang/transferlearning](https://github.com/jindongwang/transferlearning) 和 [tutorial](https://github.com/jindongwang/tutorial)
- 第一个基于 Pytorch 的统一半监督学习代码库: [torchssl/torchssl](https://github.com/jindongwang/torchssl)
- 热心知识分享: 知乎账号拥有 **70K** 粉丝和 **1000W** 阅读量

# Jindong Wang

Portfolio: <http://jd92.wang> Email: [jindongwang\(at\)outlook.com](mailto:jindongwang(at)outlook.com) Mobile: +86 15201353547 Location: Beijing  
Google scholar: 3100 citations, H-index: 18, 4 highly-cited papers in recent 5 years (updated on May 2022)

## EXPERIENCE

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- **Microsoft Research Asia** – Researcher Beijing, China  
*Transfer learning research and application on time series, CV and speech* Jul. 2019 - Now
- **Hong Kong University of Science and Technology** – visiting student Hong Kong, China  
*Transfer learning algorithm. Advisor: Qiang Yang* Apr. 2018 - Aug. 2018

## EDUCATION

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- **Institute of Computing Technology, Chinese Academy of Sciences** Beijing, China  
*Doctor of Philosophy - Computer science. Advisor: Yiqiang Chen* Sep. 2014 - Jun. 2019
- **North China University of Technology** Beijing, China  
*Bachelor of Engineering - Computer science* Sep. 2010 - Jun. 2014

## RESEARCH INTEREST

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- **Transfer learning**: Pre-training, domain adaptation, domain generalization, OOD generalization
- **Application**: Human activity recognition, time series analysis, CV, speech

## HONORS, AWARDS, AND SERVICES

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- Excellent Doctoral thesis in Chinese Academy of Sciences (Only 1 in ICT, CAS in 2020)
- National scholarship; CAS president award; Special scholarship from ICT director
- Best Application Paper at IJCAI 2019 Federated Learning workshop; Best Paper Award at ICCSE 2018
- AMiner AI 2000 most influential AI scholars
- Publicity co-chair, at IJCAI 2019; Transfer learning session chair, at ICDM 2019
- Reviewer of IEEE TPAMI/AIJ/TKDE/TIP/AIJ/JASA, PC member of ICML/NeurIPS/ICLR/CVPR/AAAI etc.

## SELECTED PUBLICATIONS

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- [Book] J. Wang, Y. Chen: **Introduction to Transfer Learning** (Recommended by Qiang Yang and Zhi-Hua Zhou etc.)
- [TASLP'22] W. Hou, H. Zhu, Y. Wang, J. Wang <sup>#</sup>, T. Qin, R. Xu, and T. Shinozaki: Exploiting Adapters for Cross-lingual Low-resource Speech Recognition. (TL for low-resource cross-lingual speech recognition)
- [IEEE TKDE'22] Y. Zhang, J. Wang <sup>#</sup>, Y. Chen, H. Yu, T. Qin: Adaptive Memory Network with Self-supervised Learning for Unsupervised Anomaly Detection. (TL for multivariate time series anomaly detection)
- [ACM IMWUT'22] W. Lu, J. Wang <sup>#</sup>, Y. Chen, X. Qin.: Semantic-discriminative Mixup for Generalizable Cross-domain Activity Recognition. (TL for cross-domain activity recognition)
- [ACM TIST'20] J. Wang, Y. Chen, W. Feng, H. Yu, Q. Yang: Transfer Learning with Dynamic Distribution Adaptation. (Dynamic distribution adaptation algorithms for TL)
- [ICSE'22] Z. Zhang, Y. Li, J. Wang, B. Liu, D. Li, X. Chen, Y. Guo, Y. Liu: ReMoS: Reducing Defect Inheritance in Transfer Learning via Relevant Model Slicing. (A safe transfer learning framework)
- [NeurIPS'21] B. Zhang, Y. Wang, W. Hou, H. Wu, J. Wang <sup>#</sup>, M. Okumura, T. Shinozaki: FlexMatch: Boosting Semi-Supervised Learning with Curriculum Pseudo Labeling. (Low-resource algorithms and opensource)
- [IJCAI'21] J. Wang, et al.: Generalizing to Unseen Domains: A Survey on Domain Generalization. (OOD generalization)
- [CIKM'21] Y. Du, J. Wang <sup>#</sup>, W. Feng, S. Pan, C. Wang: AdaRNN: Adaptive Learning and Forecasting of Time Series. (OOD generalization algorithm for better time series forecasting)
- [ACMMM'18 Oral] J. Wang, W. Feng, Y. Chen, Han Yu, M. Huang, P. S. Yu: Visual Domain Adaptation with Manifold Embedded Distribution Alignment (**Citation Rank #2 in all ACMMM'18 papers**, Manifold transfer algorithm)
- [ICDM'17] J. Wang, Y. Chen, S. Hao, W. Feng, Z. Shen: Balanced Distribution Adaptation for Transfer Learning (**Citation Rank #1 in all ICDM'17 papers**, Balanced transfer learning algorithm)

## IMPACTFUL PROJECTS

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- Create the most influential transfer learning github repo: **10K+ stars**: [jindongwang/transferlearning](https://github.com/jindongwang/transferlearning) and tutorial
- The first unified Pytorch-based semi-supervised learning codebase: [torchssl/torchssl](https://github.com/torchssl/torchssl)
- Knowledge sharing on social network: My Zhihu account has **70K** followers and **1000W** reads