**CV**

**Personal Details:**

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**Employment:**

2022-current: Research Associate

Australian Artificial Intelligence Institute

University of Technology Sydney, Australia

**Education:**

2019-2023: Australian Artificial Intelligence Institute

School of Computer Science, Faculty of Engineering and Information

Technology, University of Technology Sydney, Australia

PhD student

Supported by International Research Scholarship and UTS President's

Scholarship

2016-2019: School of Science, China Jiliang University, China

Graduate student

Specialty: Applied Mathematics

2011-2015: School of Science, China Jiliang University, China

Undergraduate student

Specialty: Applied Mathematics

**Research Interests:**

Machine learning, image-super resolution, transfer learning.

**Publications:**

**Journals:**

1. K. Li, J. Lu, H. Zuo, and G. Zhang, “Unified learning for source-absent multi-domain adaptation,” IEEE Transactions on Neural Networks and Learning Systems, 2022-**Under review.** [A\*, Q1, Impact Factor: 14.255]
2. K. Li, J. Lu, H. Zuo, and G. Zhang, “Source-free multi-domain adaptation with fuzzy rule-based deep neural networks,” IEEE Transactions on Fuzzy System, 2023**.** [A\*, Q1, Impact Factor: 12.253, ranked **13/132 (Q1)** in CS & AI ([TQCC](https://ooir.org/j.php?issn=1063-6706&metric=tqcc))->**6/239 (Q1)** in AI ([SJR2021](https://www.scimagojr.com/journalrank.php?category=1702&type=j&order=h&ord=desc))]

**DOI:** [10.1109/TFUZZ.2023.3276978](https://ieeexplore.ieee.org/abstract/document/10128698)

1. K. Li, J. Lu, H. Zuo, and G. Zhang, “Multidomain adaptation with sample and source distillation”, IEEE Transactions on Cybernetics, 2023**.** [A, Q1, Impact Factor: 19.118, ranked **4/132 (Q1)** in CS & AI ([TQCC](https://ooir.org/j.php?issn=2168-2267))**->6/694 (Q1)** in Computer Science(CS) ([SJR2021](https://www.scimagojr.com/journalrank.php?category=1706&type=j&order=sjr&ord=desc))]

**DOI:**[10.1109/TCYB.2023.3236008](https://doi.org/10.1109/TCYB.2023.3236008)

1. K. Li, J. Lu, H. Zuo, and G. Zhang, “Dynamic classifier alignment for unsupervised multi-source domain adaptation”, IEEE Transactions on Knowledge and Data Engineering, 2022. [A\*, Q1, Impact Factor: 9.235, Citation: 4, ranked 50/256 (Q1) in Engineering, Electrical & Electronic ([TQCC](https://ooir.org/v2/j.php?issn=1041-4347)) **->19/694 (Q1)** in Computer Science(CS) ([SJR2021](https://www.scimagojr.com/journalrank.php?category=1706&type=j&order=h&ord=desc))] **DOI:**[10.1109/TKDE.2022.3144423](https://doi.org/10.1109/TKDE.2022.3144423)
2. K. Li, J. Lu, H. Zuo, and G. Zhang, “Multi-source contribution learning for domain adaptation”, IEEE Transactions on Neural Networks and Learning Systems, vol. 32, no. 4, 2021. [A\*, Q1, Impact Factor: 14.255, Citation: 18, ranked **11/132 (Q1)** in CS & AI ([TQCC](https://ooir.org/j.php?issn=2162-237X)) **->3/239 (Q1)** in AI ([SJR2021](https://www.scimagojr.com/journalrank.php?category=1702&type=j&order=h&ord=desc))] **DOI:**[10.1109/TNNLS.2021.3069982](https://doi.org/10.1109/TNNLS.2021.3069982)
3. K. Li and F. Cao. "Super-resolution using neighbourhood regression with local structure prior." Signal Processing: Image Communication, vol 72, 2019, pp: 58-68. [Q2, Impact Factor: 3.453, Citation: 4] <https://doi.org/10.1016/j.image.2018.12.006>
4. F. Cao,, and K. Li. "A new method for image super-resolution with multi-channel constraints." Knowledge-Based Systems, vol 146, 2018, pp:118-128. [B, Q1, Impact Factor: 8.139, Citation: 4] <https://doi.org/10.1016/j.knosys.2018.01.034>

**Conferences:**

1. K. Li, J. Lu, H. Zuo, and G. Zhang, “Multi-Source Domain Adaptation with Incomplete Source Label Spaces”, in Proceedings of International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (KES) 2023, Accept. [B]
2. K. Li, J. Lu, H. Zuo, and G. Zhang, “Attention-Bridging TS Fuzzy Rules for Universal Multi-Domain Adaptation without Source Data”, in Proceedings of the IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), 2023, Accept. [A]
3. K. Li, J. Lu, H. Zuo, and G. Zhang, “Source-free multi-domain adaptation with global auxiliary model training”, in Proceedings of the International Joint Conference on Neural Networks (IJCNN), Italy, July 18-23, 2022, DOI: 10.1109/IJCNN55064.2022.9892718. [A, Citation: 1]

**DOI:**[10.1109/IJCNN55064.2022.9892718](https://doi.org/10.1109/IJCNN55064.2022.9892718)

1. K. Li, J. Lu, H. Zuo, and G. Zhang, “Multi-source domain adaptation with fuzzy-rule based deep neural networks”, in Proceedings of the IEEE International Conference on Fuzzy Systems (FUZZ-IEEE). Virtual Online: IEEE, July 11 - 14 2021, pp. 1–6. DOI: 10.1109/FUZZ45933.2021.9494586. [A, Citation: 1] [best paper final list] [A, Citation: 1]

**DOI:**[10.1109/FUZZ45933.2021.9494586](https://doi.org/10.1109/FUZZ45933.2021.9494586)

1. K. Li, J. Lu, H. Zuo, and G. Zhang, “Multi-source domain adaptation with distribution fusion and relationship extraction”, in Proceedings of the International Joint Conference on Neural Networks (IJCNN). Virtual online: IEEE, July 19 - 24 2020, pp. 1–6. DOI:10.1109/IJCNN48605.2020.9207556. [A, Citation: 5]

**DOI:**[10.1109/IJCNN48605.2020.9207556](https://doi.org/10.1109/IJCNN48605.2020.9207556)

**Awards:**

UTS HDR Excellence Award (2022)

UTS-AAII Student Best Paper Award (2022)

**Research Activities and Services:**

Review papers from journals:

IEEE Transactions on Neural Networks and Learning Systems, IEEE Transactions on Cybernetics, IEEE Transactions on Systems, Man and Cybernetics, IEEE Transactions on Circuits and Systems for Video Technology, IEEE/CAA Journal of Automatica Sinica, Knowledge-Based Systems, Neurocomputing, International Journal of Computational Intelligence Systems.

Conference presentations:

International Joint Conference on Neural Networks 2020 & 2022

IEEE International Conference on Fuzzy Systems 2021