廖牧鑫

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个人信息

姓名：廖牧鑫　　　性别：男　　　出生年月：1994.09　　　民族：汉　　　籍贯：江西寻乌

工作经历

江西农业大学计算机与信息工程学院, 南昌, 江西　　　　　　　　　　　　2024.11 – 至今

教育背景

深圳大学, 深圳, 广东　　　　　　　　　　　　　　　　　　　　　　　　2020 – 2024
博士研究生 信息与通信工程
导师：李霞教授

江西农业大学, 南昌, 江西　　　　　　　　　　　　　　　　　　　　　　2016 – 2019
硕士研究生 计算机技术
导师：彭莹琼教授

江西农业大学, 南昌, 江西　　　　　　　　　　　　　　　　　　　　　　2012 – 2016
学士 软件工程

研究方向

- 计算机视觉
- 语义分割
- 领域自适应
- 领域泛化
- 智慧农业

已发表论文

\# 代表共同第一作者；* 代表通讯作者。

- **Muxin Liao**[#], Shishun Tian[#], Binbin Wei, Yuhang Zhang, Wenbin Zou, Xia Li, "Class-Balanced Sampling and Discriminative Stylization for Domain Generalization Semantic Segmentation," *IEEE Transactions on Intelligent Transportation Systems*, 2024. (SCI, 中科院一区, IF: 7.9)
- **Muxin Liao**[#], Shishun Tian[#], Yuhang Zhang, Guoguang Hua, Wenbin Zou, Xia Li, "Calibration-based Multi-Prototype Contrastive Learning for Domain Generalization Semantic Segmentation in Traffic Scenes," *IEEE Transactions on Intelligent Transportation Systems*, 2024. (SCI, 中科院一区, IF: 7.9)
- **Muxin Liao**[#], Shishun Tian[#], Yuhang Zhang, Guoguang Hua, Wenbin Zou, Xia Li, "Preserving Label-related Domain-specific Information for Cross-domain Semantic Segmentation," *IEEE Transactions on Intelligent Transportation Systems*, 2024. (SCI, 中科院一区, IF: 7.9)
- **Muxin Liao**[#], Shishun Tian[#], Yuhang Zhang, Guoguang Hua, Wenbin Zou, Xia Li, "Calibration-based Dual Prototypical Contrastive Learning Approach for Domain Generalization Semantic Segmentation," *ACM International Conference on Multimedia*, 2023. (CCF-A 推荐会议, 29.3% acceptance rate)
- **Muxin Liao**[#], Shishun Tian[#], Yuhang Zhang, Guoguang Hua, Wenbin Zou, Xia Li, "Considering representation diversity and prediction consistency for domaingeneralization semantic segmentation," *Knowledge-Based Systems*, 2024. (SCI, 中科院一区, IF: 7.2)
- **Muxin Liao**[#], Shishun Tian[#], Yuhang Zhang, Guoguang Hua, Wenbin Zou, Xia Li, "PDA: Progressive Domain Adaptation for Semantic Segmentation," *Knowledge-Based Systems*, 2023. (SCI, 中科院一区, IF: 7.2)
- Zijun Li, **Muxin Liao**[*], "Learning generalized visual relations for domain generalization semantic segmentation," *Expert Systems With Applications*, 2024. (SCI, 中科院一区, IF: 7.5)

- Guoguang Hua[#], **Muxin Liao**[#], Shishun Tian, Yuhang Zhang, Wenbin Zou, "Multiple relational learning network for joint referring expression comprehension and segmentation," *IEEE Transactions on Multimedia*, 2023. (SCI, 中科院一区, IF: 8.4)
- **Muxin Liao**[#], Shishun Tian[#], Yuhang Zhang, Guoguang Hua, Wenbin Zou, Xia Li, "Domain-invariant information aggregation for domain generalization semantic segmentation," *Neurocomputing*, 2023. (SCI, 中科院二区, IF: 5.5)
- **Muxin Liao**[#], Guoguang Hua[#], Shishun Tian, Yuhang Zhang, Wenbin Zou, Xia Li, "Exploring more concentrated and consistent activation regions for cross-domain semantic segmentation," *Neurocomputing*, 2022. (SCI, 中科院二区, IF: 5.5)
- **Muxin Liao**[#], Shishun Tian[#], Yuhang Zhang, Guoguang Hua, Rong You, Wenbin Zou, Xia Li, "Class-discriminative domain generalization for semantic segmentation," *Image and Vision Computing*, 2024. (SCI, 中科院三区, IF: 4.2)

博士毕业论文

廖牧鑫. 面向道路场景的跨域语义分割方法研究 [D]. 深圳大学, 2024.

硕士毕业论文

廖牧鑫. 基于卷积神经网络的果实蝇细粒度图像分类研究 [D]. 江西农业大学, 2019.

主持/参与项目

面向视障出行的复杂道路环境感知, 国家自然科学基金面上项目, 参与   2022.01 – 2025.12

获奖情况

国家三等奖, 第十五届华为杯全国研究生数学建模大赛	2018 年
江西省三等奖, 江西省研究生数学建模竞赛	2018 年
江西省二等奖, 江西省研究生数学建模竞赛	2017 年
江西省一等奖, 江西省大学生计算机作品大赛	2015 年
国家三等奖, 全国蓝桥杯程序设计大赛	2015 年
江西省一等奖, 江西省蓝桥杯程序设计大赛	2015 年

学术服务

- 领域主席 (Area Chair):
  31st Association for Computing Machinery's Special Interest Group on Knowledge Discovery and Data Mining (SIGKDD 2025, CCF-A 类会议)

- 期刊审稿服务:
  IEEE Transactions on Image Processing
  IEEE Transactions on Multimedia
  IEEE Transactions on Neural Networks and Learning Systems
  IEEE Transactions on Circuits and Systems for Video Technology
  Computer Vision and Image Understanding
  Knowledge-Based System
  Neurocomputing
  Displays
  Applied Intelligence
  Image and Vision Computing
  IEEE Signal Processing Letters
  CAAI Transactions on Intelligence Technology
  IET Computer Vision

- 会议审稿服务:
  ICLR 2025