

# Yadan Luo (she/her)

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🏠 **Home Page:** luoyadan.github.io

🔍 **Google Scholar:** (Citations: 3751, i10-index: 60)

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## PERSONAL STATEMENT

**Research.** Dr Luo is a Senior Lecturer and Australian Research Council (ARC) DECRA in the School of EECS, The University of Queensland. Dr Luo received her PhD from the University of Queensland in 2021 and her research interests mainly include generalisable learning from imperfect data, especially by leveraging domain adaptation/generalization, OOD detection, to empower applications in autonomous driving and embodied AI. She has published 70+ papers in **CORE A\*** venues, attracting 3751 citations (Google Scholar, April 2026). Dr Luo has secured research awards, including the **SIGMM Rising Star 2025** (one recipient worldwide), **Google PhD Fellowship 2020** (the mere 4 recipients in Australia), the **Best Student Paper Award**, **Best Demo Award** and **Outstanding Area Chair Award** at ACM Multimedia. She is also a recipient of the **ICT Young Achiever in Women in Technology (WiT)**, UQ Foundation Research Excellence Award, Early Career Research Award, further validating the significance of her contributions to the field.

**Professional Services.** Dr Luo has actively served as a key organizer for several top-tier multimedia conferences, including roles such as **Program Chair** for MM'28, **Strategic Program Chair** for MM'27, **Tutorial Chair** for MM'26, **Program Chair** for SIGIR-AP'25, **Short Paper Chair** for WWW'25, **Publication Chair** for MM'24, **Doctoral Symposium Chair** for MMAAsia'25, and **Volunteer Coordination Chair** for MMAAsia'21. Additionally, she has contributed as an **Associate Editor** (AE) for prestigious journals like the IEEE Transactions on Circuits and Systems for Video Technology (TCSVT). Dr Luo has been involved in the Women in ICT community, supporting and encouraging female researchers to pursue careers in this field. Her team has also demonstrated their research outcomes to school students through interactive projects on various occasions, greatly inspiring the new generation's curiosity and interest in studying technology and pursuing careers in computer science.

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## WORK EXPERIENCE

- **Senior Lecturer** Australia  
*The University of Queensland* *Jan. 2025 - Present*
- **ARC Discovery Early Career Researcher Awardee (DECRA)** Australia  
*The University of Queensland* *Jul. 2024 - Present*
- **Lecturer/Assistant Professor** Australia  
*The University of Queensland* *Aug. 2022 - Jun. 2024*
  - **INFS4205/7205 Advanced Techniques for High-dimensional Data:** PostgreSQL, PostGIS
  - **INFS3200 Advanced Database Systems:** Distributed Databases, DataLake
  - **INFS3208 Cloud Computing:** Docker, Docker Swarm, Kubernetes, SparkML in GCP
- **Postdoctoral Research Fellow** Australia  
*The University of Queensland* *May. 2021 - Aug. 2022*

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## EDUCATION

- **The University of Queensland** Australia  
*Ph.D in Computer Science; Advisors: Prof Helen Huang, Dr Mahsa Baktash.* *Jan. 2018 - Sep. 2021*
- **University of Electronic Science and Technology of China** China  
*B.Sc. in Computer Science and Engineering, Yingcai Honors College* *Aug. 2013 - July. 2017*

## HONORS & AWARDS

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- **SIGMM Rising Star Award:** Sole recipient worldwide; Highest honor for early-career researchers in the multimedia community, 2025
- **Google PhD Fellowship:** Awarded to ~50 PhDs globally. Mentor: Kevin Swersky (Google Brain), 2020
- **UQ Foundation Research Excellence Award:** Flagship university-wide award recognizing exceptional research impact, The University of Queensland, 2024
- **Top-5 Performing Team:** Track 1: Driving with Language, RoboSense Challenge Workshop, IROS 2025
- **Outstanding Area Chair & Outstanding Service Awards:** Double recognition for leadership at the premier multimedia conference, ACM Multimedia (MM), 2024
- **Distinguished Committee Member:** ACM Multimedia Asia, 2024
- **Best Student Paper Award:** Selected from 3,000+ submissions (Top 0.03% acceptance), ACM Multimedia (MM), 2023
- **Best Demo Award:** ACM Multimedia (MM), 2023
- **Chinese Young Female Scholars in AI:** Baidu Academic, 2023
- **National Transport Research Award:** NTRO, 2023
- **Early Career Research Award:** Faculty of EAIT, UQ, 2023
- **Queensland State iAwards (Finalist):** AIIA, 2023
- **Best Paper Award:** Australasian Database Conference (ADC), 2020
- **ICT Young Achiever Award:** Women in Technology (WiT) Australia, 2018

## SELECTED PUBLICATIONS

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† indicates the (corresponding author).

- C1 Yuxia Fu, Zhizhen Zhang, Yuqi Zhang, Zijian Wang, Zi Huang, **Yadan Luo**<sup>†</sup>. “MergeVLA: Cross-Skill Model Merging Toward a Generalist Vision-Language-Action Agent”, **CVPR** 2026, CORE A\*.
- C2 Fengyi Zhang, Tianjun Zhang, Kasra Khosoussi, Zheng Zhang, Zi Huang, **Yadan Luo**<sup>†</sup>. “TALO: Pushing 3D Vision Foundation Models Towards Globally Consistent Online Reconstruction”, **CVPR** 2026, CORE A\*.
- C3 Fengyi Zhang, Xiangyu Sun, Huitong Yang, Zheng Zhang, Zi Huang, **Yadan Luo**<sup>†</sup>. “Test-Time 3D Occupancy Prediction”, **CVPR** 2026, CORE A\*.
- C4 Lin Liu, Caiyan Jia, Guanyi Yu, Ziyang Song, Junqiao Li, Feiyang Jia, Peiliang Wu, Xiaoshuai Hao, **Yadan Luo**. “GuideFlow: Constraint-Guided Flow Matching for Planning in End-to-End Autonomous Driving”, **CVPR Spotlight (3%)** 2026, CORE A\*.
- C5 Zhuoxiao Chen, Hongyang Yu, Ying Xu, **Yadan Luo**, Long Duong, Yuan-Fang Li. “OraPO: Oracle-educated Reinforcement Learning for Data-efficient and Factual Radiology Report Generation”, **CVPR** 2026, CORE A\*.
- C6 Shijie Wang, Xin Yu, **Yadan Luo**, Zijian Wang, Peng-Fei Zhang, Zi Huang. “Language-driven Fine-grained Retrieval”, **CVPR** 2026, CORE A\*.
- C7 Weikang Meng, **Yadan Luo**, Liangyu Huo, Yingjian Li, Yaowei Wang, Xin Li, Zheng Zhang. “Norm×Direction: Restoring the Missing Query Norm in Vision Linear Attention”, **ICML** 2026, CORE A\*.
- C8 Yuanwei Hu, Bo Peng, **Yadan Luo**, Jie Lu, Ling Chen, Zhen Fang. “Respecting Modality Gap in Post-hoc Out-of-distribution Detection with Pre-trained Vision-Language Models”, **ICML** 2026, CORE A\*.
- C9 Zhizhen Zhang, Lei Zhu, Zhen Fang, Zi Huang, **Yadan Luo**<sup>†</sup>. “Provable Ordering and Continuity in Vision-Language Pretraining for Generalizable Embodied Agents”, **NeurIPS** 2025, CORE A\*.
- C10 Huitong Yang, Zhuoxiao Chen, Fengyi Zhang, Zi Huang, **Yadan Luo**<sup>†</sup>. “CodeMerge: Codebook-Guided Model Merging for Robust Test-Time Adaptation in Autonomous Driving”, **NeurIPS** 2025, CORE A\*.
- C11 Hossein Askari, **Yadan Luo**, Hongfu Sun, Fred Roosta. “Latent Refinement via Flow Matching for Training-free Linear Inverse Problem Solving”, **NeurIPS** 2025, CORE A\*.
- C12 Bowen Yuan, Yuxia Fu, Zijian Wang, Zi Huang, **Yadan Luo**<sup>†</sup>. “SCORE: Soft Label Compression-Centric Dataset Condensation via Coding Rate Optimization”, **WACV** 2025, CORE A.
- C13 Zecheng Zhao, Selena Song, Tong Chen, Zhi Chen, Shazia Sadiq, **Yadan Luo**<sup>†</sup>. “Are Synthetic Videos Useful? A Benchmark for Retrieval-Centric Evaluation of Synthetic Videos”, **MM** 2025, CORE A\*.

- C14 Bowen Yuan, Selena Song, Javier Fernandez, **Yadan Luo**, Mahsa Baktashmotlagh, Zijian Wang. “WisWheat: A Three-Tiered Vision-Language Dataset for Wheat Management”, **MM** 2025, CORE A\*.
- C15 Zixin Wang, Dong Gong, Sen Wang, Zi Huang, **Yadan Luo**<sup>†</sup>. “Is Less More? Exploring Token Condensation as Training-free Adaptation for CLIP”, **ICCV** 2025, CORE A\*.
- C16 Ziying Song, Caiyan Jia, Lin Liu, Hongyu Pan, Yongchang Zhang, Junming Wang, Xingyu Zhang, Shaoqing Xu, Lei Yang, **Yadan Luo**<sup>†</sup>. “Don’t Shake the Wheel: Momentum-Aware Planning in End-to-End Autonomous Driving”, **CVPR** 2025, CORE A\*.
- C17 Zhuoxiao Chen, Junjie Meng, Mahsa Baktashmotlagh, Zi Huang, **Yadan Luo**<sup>†</sup>. “MOS: Model Synergy for Test-Time Adaptation on LiDAR-Based 3D Object Detection”, **ICLR Oral (1.8%)** 2025, CORE A\*.
- C18 Weikang Meng, **Yadan Luo**, Xin Li, Dongmei Jiang, Zheng Zhang. “PolaFormer: Polarity-aware Linear Attention for Vision Transformers”, **ICLR** 2024, CORE A\*.
- C19 Jia Syuen Lim, Zhuoxiao Chen, Zhi Chen, Mahsa Baktashmotlagh, Xin Yu, Zi Huang, **Yadan Luo**<sup>†</sup>. “DiPEX: Dispersing Prompt Expansion for Class-Agnostic Object Detection”, **NeurIPS** 2024, CORE A\*.
- C20 Haoyang Luo, Zheng Zhang, **Yadan Luo**. “Exploiting Descriptive Completeness Prior for Cross Modal Hashing with Incomplete Labels”, **NeurIPS** 2024, CORE A\*.
- C21 Bowen Yuan, Zijian Wang, Mahsa Baktashmotlagh, **Yadan Luo**, Zi Huang. “Color-Oriented Redundancy Reduction in Dataset Distillation”, **NeurIPS** 2024, CORE A\*.
- C22 Djamahl Etchegaray, Zi Huang, Tatsuya Harada, **Yadan Luo**<sup>†</sup>. “Find n’ Propagate: Open-Vocabulary 3D Object Detection in Urban Environments”, **ECCV** 2024, CORE A\*.
- C23 Bo Peng\*, **Yadan Luo**\*, Yonggang Zhang, Yixuan Li, Fang Zhen. “ConjNorm: Tractable Density Estimation for Out-of-Distribution Detection”, **ICLR** 2024, CORE A\*.
- C24 Zixin Wang, **Yadan Luo**<sup>†</sup>, Zhi Chen, Sen Wang, Zi Huang. “Cal-SFDA: Source-Free Domain-adaptive Semantic Segmentation with Differentiable Expected Calibration Error”, **Best Student Paper Award**, **MM** 2023, CORE A\*.
- C25 Djamahl Etchegaray, **Yadan Luo**<sup>†</sup>, Zachary FitzChance, Anthony Southon, Jinjiang Zhong. “Open-RoadAtlas: Leveraging VLMs for Road Condition Survey with Real-Time Mobile Auditing”, **Best Demo Award**, **MM** 2023, CORE A\*.
- C26 **Yadan Luo**<sup>†</sup>, Zhuoxiao Chen, Zhen Fang, Zheng Zhang, Mahsa Baktash., Zi Huang. “KECOR: Kernel Coding Rate Maximization for Active 3D Object Detection”, **ICCV** 2023, CORE A\*.
- C27 Zhuoxiao Chen, **Yadan Luo**<sup>†</sup>, Zi Huang, Zijian Wang, Mahsa Baktash. “Revisiting Domain-Adaptive 3D Object Detection by Reliable, Diverse and Class-balanced Pseudo-Labeling”, **ICCV** 2023, CORE A\*.
- C28 Zijian Wang, **Yadan Luo**, Zheng Liang, Zi Huang, Mahsa Baktash. “How Far Pre-trained Models are from Neural Collapse on the Target Dataset Informs Their Transferability”, **ICCV** 2023, CORE A\*.
- C29 Yiyun Zhang, Zijian Wang, **Yadan Luo**, Xin Yu, Zi Huang. “Learning Efficient Unsupervised Satellite Image-based Building Damage Detection”, **ICDM** 2023, CORE A\*.
- C30 **Yadan Luo**, Zhuoxiao Chen, Zijian Wang, Zi Huang, Mahsa Baktash.. “Exploring Active 3D Object Detection from a Generalization Perspective”, **ICLR Spotlight (5.6%)**, 2023, CORE A\*.
- C31 Zijian Wang, **Yadan Luo**, Zi Huang, Mahsa Baktash. “FFM: Injecting Out-of-Domain Knowledge via Factorized Frequency Modification”, **WACV** 2023, CORE A.
- C32 Zijian Wang, **Yadan Luo**, Ruihong Qiu, Zi Huang, Mahsa Baktash.. “Learning to Diversify for Single Domain Generalization”, **ICCV** 2021, **ESI Highly Cited Paper**, CORE A\*.
- C33 Zhi Chen, **Yadan Luo**, Ruihong Qiu, Sen Wang, Zi Huang, Jingjing Li, Zheng Zhang. “Semantics Disentangling for Generalized Zero-Shot Learning”, **ICCV** 2021, CORE A\*.
- C34 Yang Li, Tong Chen, **Yadan Luo**, Hongzhi Yin, Zi Huang. “Discovering Collaborative Signals for Next POI Recommendation with Iterative Seq2Graph Augmentation”, **IJCAI** 2021, CORE A\*.
- C35 Zhi Chen, **Yadan Luo**, Sen Wang, Ruihong Qiu, Jingjing Li, Zi Huang. “Mitigating Generation Shifts for Generalized Zero-shot Learning”, **MM** 2021, CORE A\*.
- C36 **Yadan Luo**\*, Zijian Wang\*, Zi Huang, Mahsa Baktash. “Progressive Graph Learning for Open-Set Domain Adaptation”, **ICML** 2020, CORE A\*.
- C37 **Yadan Luo**, Zi Huang, Zijian Wang, Zheng Zhang, Mahsa Baktash. “Adversarial Bipartite Graph Learning for Video Domain Adaptation”, **MM Oral (5.8%)**, 2020, CORE A\*.
- C38 Zijian Wang, **Yadan Luo**, Zi Huang, Mahsa Baktash.. “Prototype-Matching Graph Network for Heterogeneous Domain Adaptation”, **MM** 2020, CORE A\*.

- C39 Ziwei Wang, Zi Huang, and **Yadan Luo**. “Human Consensus-Oriented Image Captioning”, **IJCAI** 2020, CORE A\*.
- C40 Ziwei Wang, Zi Huang, and **Yadan Luo**. “PAIC: Parallelised Attentive Image Captioning”, **Best Paper Award**, **ADC** 2020.
- C41 **Yadan Luo**, Zi Huang, Zheng Zhang, Ziwei Wang, Mahsa Baktash., and Yang Yang. “Learning from the Past: Continual Meta-Learning with Bayesian Graph Neural Networks”, **AAAI** 2020, CORE A\*.
- C42 Zhi Chen, Jingjing Li, **Yadan Luo**, Zi Huang, and Yang Yang. “CANSZL: Cycle-Consistent Adversarial Networks for Zero-shot Learning from Natural Language”, **WACV** 2020, CORE A.
- C43 Ziwei Wang\*, **Yadan Luo\***, Hongzhi Yin, Zi Huang. “Look Deeper See Richer: Depth-aware Image Paragraph Captioning”, **MM** 2019, CORE A\*.
- C44 **Yadan Luo**, Zi Huang, Zheng Zhang, Ziwei Wang, Jingjing Li, Yang Yang. “Curiosity-driven Reinforcement Learning for Diverse Visual Paragraph Generation”, **MM Oral (5.8%)**, 2019, CORE A\*.
- C45 Zijian Wang, Zheng Zhang, **Yadan Luo**, and Zi Huang. “Deep Collaborative Discrete Hashing with Semantic-Invariant Structure.” **SIGIR** 2019, CORE A\*.
- C46 **Yadan Luo**, Ziwei Wang, Zi Huang, Yang Yang, Cong Zhao. “Coarse-to-Fine Annotation Enrichment for Semantic Segmentation Learning”, **CIKM**, 2018, CORE A.
- C47 Yang Yang, **Yadan Luo**, Weilun Chen, Fumin Shen, Ji Shao, Heng Tao Shen. “Zero-shot Hashing via Transferring Supervised Knowledge”, **MM Oral (5.8%)** 2017, CORE A\*.
- J1 Zhuoxiao Chen, **Yadan Luo**<sup>†</sup>, Zixin Wang, Zijian Wang, Zi Huang. “Open-CRB: Towards Open World Active Learning for 3D Object Detection”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2025, CORE A\*, **IF: 23.6**.
- J2 Zhiheng Li, Xin Mao, Desheng Feng, Mengran Li<sup>†</sup>, Xiaoyong Xu, **Yadan Luo**<sup>†</sup>, Linzhou Zhuang, Rijia Lin, Tianjiu Zhu, Fengli Liang, Zi Huang, Dong Liu, Zifeng Yan, Aijun Du, Zongping Shao, Zhonghua Zhu<sup>†</sup>. “Prediction of perovskite oxygen vacancies for oxygen electrocatalysis at Different Temperatures”, **Nature Communications**, 2024, CORE A\*, **IF: 19.5**.
- J3 Zixin Wang, **Yadan Luo**<sup>†</sup>, Zheng Liang, Zhuoxiao Chen, Sen Wang, Zi Huang. “In Search of Lost Online Test-time Adaptation: A Survey”, *International Journal of Computer Vision (IJCV)*, 2024, CORE A\*, **IF: 19.5**.
- J4 Jun Nie, **Yadan Luo**, Shanshan Ye, Yonggang Zhang, Xinmei Tian, Zhen Fang. “Out-of-Distribution Detection with Virtual Outlier Smoothing (**IJCV**)”, 2024, CORE A\*, **IF: 19.5**.
- J5 **Yadan Luo**, Zijian Wang, Zhuoxiao Chen, Zi Huang, Mahsa Baktash. “Source-Free Progressive Graph Learning for Open-Set Domain Adaptation”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2023, CORE A\*, **IF: 23.6**.
- J6 Zheng Wang, Xing Xu, **Yadan Luo**, Guoqing Wang, Yang Yang. “Hypercomplex Context Guided Interaction Modeling for Scene Graph Generation”, *Pattern Recognition (PR)*, 2023, CORE A\*, **IF: 7.2**.
- J7 Zheng Zhang, Jianning Wang, Lei Zhu, **Yadan Luo**, Guangming Lu. “Deep Collaborative Graph Hashing for Discriminative Image Retrieval”, *Pattern Recognition (PR)*, 2023, CORE A\*, **IF: 7.2**.
- J8 Zhi Chen, **Yadan Luo**, Sen Wang, Jingjing Li, Zi Huang. “GSMFlow: Generation Shifts Mitigating Flow for Generalized Zero-shot Learning”, *IEEE Transactions on Multimedia (TMM)*, 2020, CORE A\*, **IF:8.4**.
- J9 Zijian Wang, Zheng Zhang, **Yadan Luo**, Zi Huang, Heng Tao Shen. “Deep Collaborative Discrete Hashing with Semantic-invariant Structure Construction”, *IEEE Transactions on Multimedia (TMM)*, 2020, CORE A\*, **IF:8.4**.
- J10 **Yadan Luo**, Zi Huang, Hongxu Chen, Yang Yang, Hongzhi Yin, Mahsa Baktash. “Interpretable Signed Link Prediction with Signed Infomax Hyperbolic Graph”, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 2021, CORE A\*, **IF: 8.9**.
- J11 **Yadan Luo**, Zi Huang, Yang Li, Fumin Shen, Yang Yang, Peng Cui. “Collaborative Learning for Extremely Low Bit Asymmetric Hashing”, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 2020, CORE A\*, **IF:8.9**.
- J12 Zheng Zhang, Luyao Liu, **Yadan Luo**, Zi Huang, Fumin Shen, Heng Tao Shen, Guangming Lu. “Inductive Structure Consistent Hashing via Flexible Semantic Calibration”, *IEEE Transactions on Neural Networks and Learning Systems (TNNLS)*, 2020, CORE A\*, **IF: 14.3**.

- J13 Xuewei Qi, **Yadan Luo**, Guoyuan Wu, Kanok Boriboon., Mattew J. Barth. “Deep Reinforcement Learning Enabled Self-learning Control for Energy Efficient Driving”, Transportation Research Part C: Emerging Technologies 2019, **IF: 8.3**.
- J14 **Yadan Luo**, Yang Yang, Fumin Shen, Zi Huang, Pan Zhou, and Heng Tao Shen. “Robust Discrete Code Modeling for Supervised Hashing”, Pattern Recognition (**PR**), 2018, CORE A\*, **IF: 8**, **ESI Hot Paper & ESI Highly Cited Paper**.

#### SELECTED INVITED TALKS

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- **2024**: “Reliable Model Predictions in the Open World Through the Lens of OOD Detection”, Invited Talk, The 85th TrustML Young Scientist Seminar, **RIKEN Japan**. [Official Posts]
- **2024**: “Reliable Model Predictions in the Open World Through the Lens of OOD Detection”, Invited Talk, **Institute of Science Tokyo**.
- **2024**: “Beyond AI: Tech Panel in Corporate Industry”, Plenary Talk, **UQ×Microsoft×Canva**.
- **2024**: “Maximizing Data Efficiency in an Open World”, Invited Talk, **UNSW Sydney**.
- **2024**: “Maximizing Data Efficiency in an Open World”, Invited Talk, **Chongqing University**.
- **2023**: “AI Her Way: The Rise of Women’s Power in Shaping AI Futures”, Invited Talk, **EECS@UQ**.

#### PROFESSIONAL SERVICES

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- **Journal Editor/Conferences Area Chair/Program Committee:**
  - **Associate Editor:** IEEE Transactions on Circuits and Systems for Video Technology, 2024-Present
  - **Area Chair:** ICLR 2026, CVPR 2026, NeurIPS 2025, MM 2025, ICML 2025, ICLR 2025, CVPR 2025, MM 2024, MM 2023, AJCAI 2023
  - **Program Committee Member:** ECCV 2026, ICML 2026, MM 2026, CVPR 2026, ICCV 2025, NeurIPS 2024, ECCV 2024, ICML 2024, CVPR 2024, NeurIPS 2023, ICCV 2023, CVPR 2023, ECCV 2022, ACM MM 2021, CIKM 2021, TPAMI, TCSVT, TNNLS, TKDE, PR, TMM, TIP, TCYB, VLDB.
  - **Funding Reviewer:** ARC Discovery Projects, Future Fellowship Projects, Linkage Projects, Discovery Early Career Researcher Award
- **Conferences and Workshop Organising Committee:**
  - **Program Chair:** ACM Multimedia (MM) 2028
  - **Strategic Program Chair:** ACM Multimedia (MM) 2027
  - **Tutorial Chair:** ACM Multimedia (MM) 2026
  - **Tutorial Chair:** ACM International Conference on Multimedia Retrieval (ICMR) 2026
  - **DEI Chair:** ACM Multimedia (MM) 2025
  - **Workshop Organizer:** (MMGR ’25) 3rd International Workshop on Deep Multimodal Generation and Retrieval, ACM Multimedia 2025
  - **Program Chair:** ACM-SIGIR Information Retrieval in the Asia Pacific (SIGIR-AP) 2025
  - **Short Paper Chair:** The Web Conference (WWW) 2025
  - **Publication Chair:** ACM Multimedia (MM) 2024
  - **Short Paper and Demo Chair:** ACM Multimedia Asia (MMAsia) 2024
  - **Doctoral Symposium Chair:** ACM Multimedia Asia (MMAsia) 2025
  - **Short Paper Chair:** The Web Conference (WWW) 2025
  - **Program Co-Chair:** Australasian Joint Conference on Artificial Intelligence (AJCAI 2026)
  - **Session Chair:** ICDE 2023, WISE 2022, CIKM 2021, AJCAI 2023

#### ADVISING

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- **Mr Zhuoxiao Chen:** (PhD@UQMM Lab), on the topic: Adaptive Autonomous Driving; ⇒ now Research Scientist at Oracle;
- **Ms Zixin Wang:** (PhD@UQMM Lab), on the topic: Test-time Domain Adaptation; ⇒ now AI Research Engineer at Westpac;
- **Mr Djamahl Etchegaray:** (PhD@UQMM Lab), on the topic: Open-vocabulary Autonomous Driving; ⇒ now Research Scientist at Atlassian
- **Mr Jia Syuen Lim:** (PhD@UQMM Lab), on the topic: Out-of-distribution Detection in Vision;
- **Ms Yuxia Fu:** (PhD@UQMM Lab), on the topic: Data Efficiency in Autonomous Driving;
- **Mr Zhizhen Zhang:** (PhD@UQMM Lab), on the topic: Generalisable VLA Models;
- **Mr Xiangyu Sun:** (PhD@UQMM Lab), on the topic: Generalisable 3D Reconstruction;

## MAJOR RESEARCH GRANTS

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- **2025-2026:** UQ Global Partnerships Funding, “PhenomeX: Cross-Border Collaboration for The Future of Smart Agriculture”, **\$25,000**, **Lead Chief Investigator (CI)**.
- **2024-2026:** Australian Research Council (ARC) **Discovery Project (DP)**, “Embracing Changes for Responsive Video-sharing Services”, **\$632,963**, **Chief Investigator (CI)**.
- **2024-2026:** Australian Research Council (ARC) **Discovery Early Career Researcher Award (DECRA)**, “Towards Evolvable and Sustainable Multimodal Machine Learning”, **\$458,823**, **Chief Investigator (CI)**.
- **2024-2026:** **Baosteel-Australia Joint Research and Development Centre**, “AI foundation models for enhanced smart SOP monitoring in steel Industry”, **\$250,000**, **Chief Investigator (CI)**.
- **2023-2027:** **Grains Research and Development Corporation (GRDC)**, “Analytics for the Australian Grains Industry (AAGI)”, **\$12,000,000**, **Co-Chief Investigator (CI)**.
- **2022-2025:** **Research Contract with Logan City Council**, “RoadAtlas: Automated Road Hazard Detection and Asset Management”, **\$300,000**, **Lead Chief Investigator (CI)**.
- **2022-2023:** **Research Contract with Zeotech**, “Data Driven Approach to Zeolite Prediction and Analysis”, **\$300,000**, **Co-Chief Investigator (CI)**.
- **2022-2022:** **HaBS - EAIT ECR Collaboration Seed Funding Grant**, “Merging Biomechanics and Artificial Intelligence to Understand Human Foot Function”, **\$19,987**, **Chief Investigator (CI)**.
- **2022-2023:** **Cyber Research Seed Funding**, “Resilient and Privacy-reserving Platform for Automated Road Defect Detection and Asset Management”, **\$74,976**, **Chief Investigator (CI)**.
- **2021-2023:** **Australian-Korea Tech Bridge Grant**, “Developing a Proof-of-concept Self-contact Tracing App to Support Epidemiological Investigations and Outbreak Response”, **\$128,500**, **Chief Investigator (CI)**.