

Dr. Dongjie Wang

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Assistant Professor
Department of Computer Science
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EXECUTIVE SUMMARY

I am an assistant professor at the University of Kansas, recognized for both my research and teaching. My research has earned multiple recognitions, including three best paper (runner-up and finalist) awards: ACM SIGSpatial 2020 Best Paper Runner-up and two IEEE ICDM 2021 Best Paper Finalist honors. I also received the Spotlight Paper Award at NeurIPS 2023. I have published over 30 papers in leading venues like NeurIPS, KDD, AAAI, and IEEE TKDE. In teaching, I am the lecturer for two courses and currently supervise two Ph.D. students.

RESEARCH INTERESTS

General Interests: data mining, machine learning, interdisciplinary applications

Recent Focuses: data-centric AI, causal graph learning, and automated urban planning.

EDUCATION

Ph.D., Computer Science, University of Central Florida, 2020.01-2024.05.

M.E., Software Engineering, Southwest Jiaotong University, 2016.09-2019.06

B.E., Computer Science, Sichuan University, 2012.09-2016.06

HONORS

- **2025 ACM CIKM Best Paper Candidate Award (Top 1%),** for the paper "Adaptive Context-Infused Performance Evaluator for Iterative Feature Space Optimization", published at ACM International Conference on Information and Knowledge Management (CIKM'25), 2025
- **2021 IEEE ICDM Best Paper Finalist Award (Top 1%),** for the paper "Deep Human-guided Conditional Variational Generative Modeling for Automated Urban Planning", published at IEEE Conference on Data Mining (ICDM'21), 2021
- **2021 IEEE ICDM Best Paper Finalist Award (Top 1%),** for the paper "Efficient Reinforced Feature Selection via Early Stopping Traverse Strategy", published at IEEE Conference on Data Mining (ICDM'21), 2021
- **2020 ACM SIGSpatial Best Paper Runner-Up Award (Top 1%),** for the paper "Reimagining City Configuration: Automated Urban Planning via Adversarial Learning", published at 28th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (SIGSPATIAL'20), 2020
- **2023 Conference on NeurIPS Paper Spotlight Award(Top 3%)**

PROFESSIONAL EXPERIENCES

Assistant Professor, Electrical Engineering & Computer Science Department
University of Kansas, August 2024 - Now

Research Intern, Data Science and Security Department
NEC Laboratories America Inc., August 2023 - December 2023

Research Intern, Bell Labs Solution Research Department
Nokia Bell Labs, May 2023 - July 2023

Research Intern, Data Science and Security Department
NEC Laboratories America Inc., May 2022 - August 2022

Grants

- Planning: DCL-EPSCOR: SaTC Frontier: Exploring the Synergy Between Generative AI and Cybersecurity; Amount: \$ 100,000.00; Duration: 10/1/2024-9/30/2025; Funded by: National Science Foundation (NSF) — DCL-EPSCoR SaTC Frontier Program; Role: Co-PI.

PATENT

- Zhengzhang Chen, Haifeng Chen, Liang Tong, **Dongjie Wang**. Incremental causal discovery and root cause localization for online system fault diagnosis: U.S. Patent 12,204,398[P]. 2025-1-21. (**Granted**)
- Zhengzhang Chen, Haifeng Chen, Liang Tong, **Dongjie Wang**. Disentangled graph learning for incremental causal discovery and root cause analysis: U.S. Patent 12,332,734[P]. 2025-6-17. (**Granted**)
- Zhengzhang Chen, Haifeng Chen, **Dongjie Wang**. Incremental causal graph learning for attack forensics in computer systems: U.S. Patent Application 18/359,389[P]. 2024-6-27. (**Granted**)

SELECTED PUBLICATIONS

Refereed Journal Publications

My research results have been published on many top data mining and machine learning journals and conference proceedings, including TKDE, TIST, KAIS, TKDD, NeurIPS, KDD, AAAI, WWW, ICDM, SDM, SIGSPATIAL. I received the Best Paper Runner-up Award at the SIGSpatial'20 and the Best Paper Finalist at ICDM'21.

*: Denote equal contribution; †: Denote corresponding author;

1. [TBDI] Xinyuan Wang, **Dongjie Wang**, Wangyang Ying, Rui Xie, Haifeng Chen, Yanjie Fu. "Knockoff-Guided Feature Selection via A Single Pre-trained Reinforced Agent," in IEEE Transactions on Big Data, Accept.
2. [CITIES] Tianchen Huang, Xinyue Ye, Tan Yigitcanlar, Boqian Xu, Galen Newman, Bo Zhao, Benjamin Ennemoser, Dayong Wu, Junghwan Kim, **Dongjie Wang**. "Artificial Intelligence in urban design: A systematic review," in Cities, Vol. 169, Pages. 106527, 2026.
3. [TIST] Nanxu Gong, Wangyang Ying, **Dongjie Wang**†, Yanjie Fu†. "Neuro-Symbolic Embedding for Short and Effective Feature Selection via Autoregressive Generation," in ACM Transactions on Intelligent Systems and Technology, Vol. 6, No. 2, Pages: 1-21, 2025.
4. [TKDE] **Dongjie Wang***†, Pengyang Wang*, Yanjie Fu, Kunpeng Liu, Hui Xiong, Charles Hughes. "Reinforced Imitative Graph Learning for Mobile User Profiling," in IEEE Transactions on Knowledge and Data Engineering (2023). Page(s): 1 - 13. DOI: 10.1109/TKDE.2023.3270238. Date of Publication: 25 April 2023.
5. [KAIS] **Dongjie Wang**, Kunpeng Liu, Yanyong Huang, Leilei Sun, Bowen Du, Yanjie fu. "Automated Urban Planning aware Spatial Hierarchies and Human Instructions," in Knowledge and Information Systems 65, no. 3 (2023): 1337-1364. (**Honor of ICDM Best**) DOI: 10.1007/s10115-022-01801-6. Date of Publication: 29 November 2022.
6. [TSAS] **Dongjie Wang**, Yanjie Fu, Kunpeng Liu, Fanglang Chen, Pengyang Wang, Chang-Tien Lu. "Automated Urban Planning for Reimagining City Configuration via Adversarial Learning: Quantification, Generation, and Evaluation," in ACM Transactions on Spatial Algorithms and Systems 9, no. 1 (2023): 1-24. DOI: 10.1145/3524302.
7. [TBDI] **Dongjie Wang**, Kunpeng Liu, Hui Xiong, Yanjie Fu. "Online POI Recommendation: Learning Dynamic Geo-Human Interactions in Streams," in IEEE Transactions on Big Data, vol. 9, no. 3, pp. 832-844, 1 June 2023, DOI: 10.1109/TBDA.2022.3215134.

8. [Frontiers in Big Data] **Dongjie Wang**, Kunpeng Liu, David Mohaisen, Pengyang Wang, Chang-Tien Lu, Yanjie Fu. "Towards Semantically-rich Spatial Network Representation Learning via Automated Feature Topic Pairing," in Frontiers in Big Data 4:762899. DOI: <https://doi.org/10.3389/fdata.2021.762899>. Date of Publication: 20 October 2021.
9. [TKDD] Wangyang Ying, **Dongjie Wang**, Haifeng Chen, and Yanjie Fu. "Feature Selection as Deep Sequential Generative Learning," in ACM Transactions on Knowledge Discovery from Data, Accepted.
10. [TKDD] Meng Xiao*, **Dongjie Wang***, Yanjie Fu, Kunpeng Liu, Min Wu, Hui Xiong, Yuanchun Zhou. "Traceable Group-Wise Self-Optimizing Feature Transformation Learning: A Dual Optimization Perspective," in ACM Transactions on Knowledge Discovery from Data, vol. 18, no. 4, pp. 1-22, 2024.
11. [TKDE] Yanyong Huang, Zongxin Shen, Yuxin Cai, Xiuwen Yi, **Dongjie Wang**, Fengmao Lv, Tianrui Li. "C²IMUFS: Complementary and Consensus Learning-based Incomplete Multi-view Unsupervised Feature Selection," in IEEE Transactions on Knowledge and Data Engineering, vol. 35, no. 10, pp. 10681-10694, 1 Oct. 2023, DOI: 10.1109/TKDE.2023.3266595.
12. [Frontiers in Environmental Science] Fanglan Chen, **Dongjie Wang**, Shuo Lei, Jianfeng He, Yanjie Fu, and Chang-Tien Lu. "Adaptive Graph Convolutional Imputation Network for Environmental Sensor Data Recovery," in Frontiers in Environmental Science 10 (2022): 2120.
13. [KAIS] Kunpeng Liu, **Dongjie Wang**, Wan Du, Dapeng Oliver Wu, Yanjie Fu. "Interactive Reinforced Feature Selection with Traverse Strategy," in Knowledge and Information Systems 65, no. 3 (2023): 1935–1962. (**Honor of ICDM Best**) DOI: 10.1007/s10115-022-01812-3. Date of Publication: 21 January 2023.
14. [TIST] Lu Jiang, Kunpeng Liu, Yibin Wang, **Dongjie Wang**, Pengyang Wang, Yanjie Fu, and Minghao Yin. "Reinforced Explainable Knowledge Concept Recommendation in MOOCs," in ACM Transactions on Intelligent Systems and Technology 14, no. 3 (2023): 1-20. DOI: 10.1145/3579991. Date of Publication: 01 April 2023.
15. [Frontiers in Big Data] Pengyang Wang, Kunpeng Liu, **Dongjie Wang**, Yanjie Fu. "Measuring Urban Vibrancy of Residential Communities Using Big Crowdsourced Geotagged Data," in Frontiers in big Data, 4:690970. DOI: 10.3389/fdata.2021.690970. Accepted: 12 May 2021; Date of Publication: 10 June 2021.
16. [KBS] Wei Zhou, Yan Yang, Yiling Zhang, **Dongjie Wang**, Xiaobo Zhang. "Deep Flexible Structured Spatial-Temporal Model for Taxi Capacity Prediction," in Knowledge-Based Systems, vol. 205, pp. 106286, (2020): 0950-7051, DOI: 10.1016/j.knosys.2020.106286. Date of Publication: 12 October 2020.

Peer-reviewed Conference Proceedings

*: Denote equal contribution; †: Denote corresponding author;

1. [AAAI] Ye Zhang, Jinlong He, **Dongjie Wang†**, Yupeng Zhou, Minghao Yin. Dimension-Aware Active Annotation for Aesthetic Perception via Multi-Agent Human–AI Collaboration. In Proceedings of The Thirty-Ninth AAAI Conference on Artificial Intelligence (AAAI-2026), Accept, 2026.
2. [AAAI] Xinyuan Wang, **Dongjie Wang**, Wangyang Ying, Haoyue Bai, Nanxu Gong, Sixun Dong, Kunpeng Liu, Yanjie Fu. Efficient Post-Training Refinement of Latent Reasoning in Large Language Models. In Proceedings of The Thirty-Ninth AAAI Conference on Artificial Intelligence (AAAI-2026), Accept, 2026.
3. [BigData] Arun Vignesh Malarkkan, Haoyue Bai, **Dongjie Wang**, and Yanjie Fu. Causal Graph Profiling via Structural Divergence for Robust Anomaly Detection in Cyber-Physical

- Systems. 2025 IEEE International Conference on Big Data (BigData-2025), Macau, China, 2025
- 4. [CIKM] Yanping Wu, Yanyong Huang, Zijun Yao, Yanjie Fu, Kunpeng Liu, Xiao Luo and **Dongjie Wang[†]**. Adaptive Context-Infused Performance Evaluator for Iterative Feature Space Optimization. The 34th ACM International Conference on Information and Knowledge Management (CIKM-2025), Seoul, Korea, 2025 (**Best Paper Candidate Award**).
 - 5. [CIKM] Mohsen Nayebi Kerdabadi, Arya Hadizadeh Moghaddam, **Dongjie Wang** and Zijun Yao. Multi-Ontology Integration with Dual-Axis Propagation for Medical Concept Representation. The 34th ACM International Conference on Information and Knowledge Management (CIKM-2025), Seoul, Korea, 2025.
 - 6. [KDD] Rui Liu, Rui Xie, Zijun Yao, Yanjie Fu, **Dongjie Wang[†]**. Continuous Optimization for Feature Selection with Permutation-Invariant Embedding and Policy-Guided Search. In Proceedings of The 31th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD-2025), Toronto, 2025.
 - 7. [SDM] Fanglan Chen, **Dongjie Wang[†]**, Jianfeng He, Shuo Lei, Chang-Tien Lu. Optimizing Transit Network Expansion with Gated Attentive Graph Reinforcement Learning. In Proceedings of the 2025 SIAM International Conference on Data Mining (SDM-2025), In Press, 2025.
 - 8. [AAAI] Ye Zhang, Yanqi Gao, **Dongjie Wang[†]**, Jinlong He, Zhaoyang Sun, Minghao Yin. Multi-type MOOCs Recommendation: Leveraging Deep Multi-Relational Representation and Hierarchical Reasoning. In Proceedings of The Thirty-Ninth AAAI Conference on Artificial Intelligence (AAAI-2025), Accept, 2025.
 - 9. [AAAI] Jinghan Zhang, Xiting Wang, Weijieying Ren, Lu Jiang, **Dongjie Wang**, Kunpeng Liu. RATT: A Thought Structure for Coherent and Correct LLM Reasoning. In Proceedings of The Thirty-Ninth AAAI Conference on Artificial Intelligence (AAAI-2025), Accept, 2025.
 - 10. [AAAI] Fan Zhang, Changhu Wang, Zebang Cheng, Xiaojiang Peng, **Dongjie Wang**, Yijia Xiao, Chong Chen, Xian-Sheng Hua, Xiao Luo. DREAM: Decoupled Discriminative Learning with Bigraph-aware Alignment for Semi-supervised 2D-3D Cross-modal Retrieval. In Proceedings of The Thirty-Ninth AAAI Conference on Artificial Intelligence (AAAI-2025), Accept, 2025.
 - 11. [CIKM] Xuanming Hu, **Dongjie Wang**, Wangyang Ying and Yanjie Fu. Reinforcement Feature Transformation for Polymer Property Performance Prediction. The 33rd ACM International Conference on Information and Knowledge Management (CIKM-2024), Boise, Idaho, USA, 2024.
 - 12. [CIKM] Arun Vignesh Malarkkan, **Dongjie Wang**, and Yanjie Fu. Multi-view Causal Graph Fusion based Anomaly Detection in Cyber-Physical Infrastructures. The 33rd ACM International Conference on Information and Knowledge Management (CIKM-2024), Boise, Idaho, USA, 2024.
 - 13. [CIKM] Wangyang Ying, **Dongjie Wang**, Xuanming Hu, Ji Qiu, Jin Park and Yanjie Fu. Revolutionizing Biomarker Discovery: Leveraging Generative AI for Bio-Knowledge-Embedded Continuous Space Exploration. The 33rd ACM International Conference on Information and Knowledge Management (CIKM-2024), Boise, Idaho, USA, 2024.
 - 14. [CIKM] Guojiao Lin, Meng Zhen, **Dongjie Wang**, Qingqing Long, Yuanchun Zhou, and Meng Xiao. GUME: Graphs and User Modalities Enhancement for Long-Tail Multimodal Recommendation. The 33rd ACM International Conference on Information and Knowledge Management (CIKM-2024), Boise, Idaho, USA, 2024.
 - 15. [KDD] Wangyang Ying, **Dongjie Wang**, Xuanming Hu, Yuanchun Zhou, Charu C. Aggarwal, Yanjie Fu. Unsupervised Generative Feature Transformation via Graph Contrastive

- Pre-training and Multi-objective Fine-tuning. The 30th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD-2024), Barcelona, 2024.
16. [NeurIPS] **Dongjie Wang***, Meng Xiao*, Min Wu, Pengfei Wang, Yuanchun Zhou, Yanjie Fu. Reinforcement-Enhanced Autoregressive Feature Transformation: Gradient-steered Search in Continuous Space for Postfix Expressions. The 37-th Conference on Neural Information Processing Systems, 2023. (**Spotlight, Top 3%**)
 17. [KDD] **Dongjie Wang**, Zhengzhang Chen, Yanjie Fu, Yanchi Liu, and Haifeng Chen. Incremental Causal Graph Learning for Online Unsupervised Root Cause Analysis. The 29th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD-2023), pp. 2269–2278, Long Beach, 2023.
 18. [KDD] **Dongjie Wang***, Zhengzhang Chen*, Jingchao Ni, Liang Tong, Zheng Wang, Yanjie Fu, and Haifeng Chen. Interdependent Causal Networks for Root Cause Localization. The 29th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD-2023), pp. 5051-5060, Long Beach, 2023.
 19. [AAAI] **Dongjie Wang**, Lingfei Wu, Denghui Zhang, Jingbo Zhou, Leilei Sun, and Yanjie Fu. Human-instructed Deep Hierarchical Generative Learning for Automated Urban Planning. In Proceedings of the 37th AAAI Conference on Artificial Intelligence, Vol. 37, No. 4, pp. 4660-4667, Washington DC, 2023.
 20. [KDD] **Dongjie Wang**, Yanjie Fu, Kunpeng Liu, Xiaolin Li, Yan Solihin. Group-wise Reinforcement Feature Generation for Optimal and Explainable Representation Space Reconstruction. The 28th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD-2022), pp. 1826-1834, 2022.
 21. [AAAI] **Dongjie Wang**, Pengyang Wang, Kunpeng Liu, Yuanchun Zhou, Charles Hughes, and Yanjie Fu. Reinforced Imitative Graph Representation Learning for Mobile User Profiling: An Adversarial Training Perspective. In Proceedings of The Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI-2021), pp. 4410-4417, Virtual Event, 2021.
 22. [ICDM] **Dongjie Wang**, Kunpeng Liu, Pauline Johnson, Leilei Sun, Bowen Du, Yanjie Fu. Deep Human-guided Conditional Variational Generative Modeling for Automated Urban Planning. The 2021 IEEE International Conference on Data Mining (ICDM-2021), pp: 679-688. December 7-10, 2021. Virtual Event. (**Best Paper Finalist**)
 23. [SIGSpatial] **Dongjie Wang**, Kunpeng Liu, David Mohaisen, Pengyang Wang, Chang-Tien Lu, Yanjie Fu. Automated Feature-Topic Pairing: Aligning Semantic and Embedding Spaces in Spatial Representation Learning. The 29th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, pp. 450-453, Beijing, 2021.
 24. [ICDM] **Dongjie Wang**, Pengyang Wang, Jingbo Zhou, Leilei Sun, Bowen Du, Yanjie Fu. Defending Water Treatment Networks: Exploiting Spatio-temporal Effects for Cyber Attack Detection. In Proceedings of the 20th IEEE International Conference on Data Mining (ICDM-2020), pp. 32-41, 2020. Sorrento, Italy.
 25. [SIGSpatial] **Dongjie Wang**, Yanjie Fu, Pengyang Wang, Bo Huang, and Chang-Tien Lu. "Reimagining City Configuration: Automated Urban Planning via Adversarial Learning." In Proceedings of the 28th International Conference on Advances in Geographic Information Systems, pp. 497-506, 2020. Virtual Event. (**Best Paper Runner-up**)
 26. [IJCNN] **Dongjie Wang**, Yan Yang, Shangming Ning. DeepSTCL: A Deep Spatio-temporal ConvLSTM for Travel Demand Prediction. In Proceedings of 2018 International Joint Conference on Neural Networks, pp. 1-8, Brazil.
 27. [ICDM] Kunpeng Liu, Pengfei Wang, **Dongjie Wang**, Wan Du, Dapeng Oliver Wu, Yanjie Fu. Efficient Reinforced Feature Selection via Early Stopping Traverse Strategy. The 2021 IEEE International Conference on Data Mining (ICDM), pp: 399-408. December 7-10, 2021. Virtual Event. (**Best Paper Finalist**)

28. [WWW] Xiting Wang, Kunpeng Liu, **Dongjie Wang**, Le Wu, Yanjie Fu, Xing Xie. Multi-level Recommendation Reasoning over Knowledge Graphs with Reinforcement Learning. In Proceedings of the ACM Web Conference (WWW), pp. 2098-2108, 2022. Virtual Event.
29. [AAAI] Wei Fan, Pengyang Wang, Dongkun Wang, **Dongjie Wang**, Yuanchun Zhou, Yanjie Fu. Dish-TS: A General Paradigm for Alleviating Distribution Shift in Time Series Forecasting. In Proceedings of the 37th AAAI Conference on Artificial Intelligence (AAAI-2023), pp. 7522-7529, Washington DC, 2023.
30. [SDM] Meng Xiao, **Dongjie Wang**, Min Wu, Ziyue Qiao, Pengfei Wang, Kunpeng Liu, Yuanchun Zhou, and Yanjie Fu. Traceable Automatic Feature Transformation via Cascading Actor-Critic Agents. In Proceedings of the 2023 SIAM International Conference on Data Mining (SDM-2023), pp. 775-783, 2023.
31. [SDM] Pengfei Wang, Daniel Wang, Kunpeng Liu, **Dongjie Wang**, Yuanchun Zhou, Leilei Sun, Yanjie Fu. Hierarchical Reinforced Urban Planning: Jointly Steering Region and Block Configurations. In Proceedings of the 2023 SIAM International Conference on Data Mining (SDM-2023), pp. 343-351, 2023.
32. [PAKDD] Ehtesamul Azim, **Dongjie Wang**, Yanjie Fu. Deep Graph Stream SVDD: Anomaly Detection in Cyber-Physical Systems. In the 26th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-2023), pp 83-95, 2023.
33. [ICDM] Meng Xiao*, **Dongjie Wang***, Min Wu, Pengfei Wang, Yuanchun Zhou, Yanjie Fu. Beyond Discrete Selection: Continuous Embedding Space Optimization for Generative Feature Selection. In the 23rd IEEE International Conference on Data Mining (ICDM-2023), 2023.
34. [ICDM] Wangyang Ying*, **Dongjie Wang***, Kunpeng Liu, Leilei Sun, and Yanjie Fu. Self-optimizing Feature Generation via Categorical Hashing Representation and Hierarchical Reinforcement Crossing. In the 23rd IEEE International Conference on Data Mining (ICDM-2023), 2023.
35. [SDM] Xuanming Hu, Wei Fan, **Dongjie Wang**, Pengyang Wang, Yong Li, Yanjie Fu. Dual-stage Flows-based Generative Modeling for Traceable Urban Planning. In Proceedings of the 2024 SIAM International Conference on Data Mining (SDM-2024), accepted, 2024.
36. [SDM] Ehtesamul Azim, **Dongjie Wang**, Kunpeng Liu, Wei Zhang, and Yanjie Fu. Feature Cognition Enhancement via Interaction-Aware Automated Transformation. In Proceedings of the 2024 SIAM International Conference on Data Mining (SDM-2024), accepted, 2024.
37. [ACML] Wei Zhou, Hao Wang, Yiling Zhang, Cheng Long, Yan Yang, **Dongjie Wang**. Multi-scale Progressive Gated Transformer for Physiological Signal Classification. In the 14th Asian Conference on Machine Learning, pp. 1293-1308, 2022.

TEACHING EXPERIENCE

Teaching and Evaluation

- 2025 Spring: EECS 649 Introduction to Artificial Intelligence, **Lecturer**, (90 students)
- 2024 Fall: EECS 700 Deep Reinforcement Learning, **Lecturer**, (47 students), rating: 0.9585 / 1.0
- 2021 Spring: CAP 5610 Machine Learning, **Teaching Assistant**, (104 students)
- 2020 Fall: CAP 5610 Machine Learning, **Teaching Assistant**, (55 students)

Mentoring Students

1. **Tao Zhe**, Ph.D., Computer Science, University of Kansas, 2025 Spring-in progress.
2. **Anahita Memar**, Ph.D., Computer Science, University of Kansas, 2025 Spring-in progress.
3. **Rui Liu**, Ph.D., Computer Science, University of Kansas, 2025 Fall-in progress.

PROFESSIONAL ACTIVITIES

Program Committee/Senior Program Committee Members/Area Chairs

- SPC, AAAI Conference on Artificial Intelligence (AAAI), 2026
- The ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) 2023, 2024, 2025, 2026
- The ACM Web Conference (WWW) 2026
- The International Joint Conference on Artificial Intelligence (IJCAI) 2021, 2022, 2023, 2024, 2025
- The Conference on Information and Knowledge Management (CIKM) 2022, 2023
- The IEEE International Conference on Big Data (BigData) 2025
- The ACM Web Search and Data Mining Conference (WSDM) 2023, 2024, 2025
- AAAI Conference on Artificial Intelligence (AAAI) 2023, 2024, 2025, 2026
- The Conference on Neural Information Processing Systems (NeurIPS) 2024, 2025
- The International Conference on Learning Representations (ICLR) 2025, 2026
- The International Conference on Artificial Intelligence and Statistics (AISTATS 2025)
- The International Conference on Machine Learning (ICML) 2025

Journal Review

- Knowledge-based Systems (KBS)
- IEEE Transactions on Big Data (TBD)
- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- ACM Transactions on Knowledge Discovery from Data (TKDD)
- ACM Transactions on Intelligent Systems and Technology (TIST)
- IEEE Transactions on Learning Technologies (TLT)
- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
- Nature Cities
- Scientific Report

Conference/Workshop Organizers

- Co-organizer, [GeoGenAgent: The 1st International Workshop on Generative and Agentic AI for Multi-Modality Space-Time Intelligence](#), jointly with ACM SIGSPATIAL, 2025
- Co-organizer, [AI4DE: The 1st International Workshop on AI for Data Editing](#), jointly with ACM KDD, 2025
- Co-organizer, [The 5th Workshop on Data-centric AI](#), jointly with IEEE ICDM, 2024
- Co-organizer, [The 4th Workshop on Data-centric AI](#), jointly with ACM CIKM, 2024
- Co-organizer, [The 3rd Workshop on Data-centric AI](#), jointly with IEEE BIGDATA, 2024
- Co-organizer, [The 1st Workshop on Data-centric AI](#), jointly with IEEE ICDM, 2023
- Co-organizer, [The 1st Workshop on AI for Urban Planning](#), jointly with AAAI, 2025

Media Coverage

- 2020, UCF Today, Where Artificial Intelligence Meets Urban Planning [link](#)
- 2020, Synced Review, Can AI Reimagine City Configuration and Automate Urban Planning? [link](#)