

## 1 July Tuesday (Venue: Wangyue Hall, 3rd Floor)

13:00-18:00: Registration

Position Papers for LLMs	
14:30-14:50	<b>A Vision for Access Control in LLM Agent Systems</b> <i>Dong Huang, Jie Li, Hongyi Cai, Xinfeng Li, Yijia Xu, Wenbing Tang, Jie Zhang, and Yang Liu</i>
14:50-15:10	<b>Agent Behavior: The Regulatory Object of the Agent-Centric Online Ecosystem in Digital Age</b> <i>Qiang Zhang, Pei Yan, Yijia Xu, Xinfeng Li, Hongyi Cai, Chuanpo Fu, Yong Fang, Yang Liu</i>
15:10-15:30	<b>Empowering Embodied Agents with Semantic Intelligence</b> <i>Wenbing Tang, Meilin Zhu, Fenghua Wu, Xinfeng Li, and Yang Liu</i>
15:30-15:50	Tea Break
15:50-16:10	<b>An Analytical Perspective on Software Engineering for Large Language Models</b> <i>Tianlin Li, Qiang Hu, Chong Wang, Jian Zhang, Wei Ma, Aishan Liu, Jingyi Wang, and Yang Liu</i>
16:10-16:30	<b>LiCoVer: LLM-Powered Automated OSS License Compliance Verification</b> <i>Shuhao Chang, Xin Li, Jigang Xie, Hao Wu, and Haijun Wang</i>
16:30-16:50	<b>UFPC: A Unified Framework for Source and Binary Program Comprehension</b> <i>Yiran Zhang, Weisong Sun, Yuqiang Sun, Chengwei Liu, Xiaohong Chen, and Yang Liu</i>
16:50-17:10	<b>TestCaseMig: LLM-Driven Test Case Migration for Evolving Codebases</b> <i>Wuhe Axi, Xin Li, Jigang Xie, Xitao Li, and Haijun Wang</i>
17:10-17:30	<b>Evolaris: A Roadmap to Self-Evolving Software Intelligence Management</b> <i>Chengwei Liu, Wenbo Guo, Yuxin Zhang, Limin Wang, Sen Chen, Lei Bu, and Yang Liu</i>
18:00-19:30	Dinner

## 2 July Wednesday (Venue: Yinyue Hall, 3rd Floor)

8:00-17:00: Registration

9:00-9:30	<b>Opening Remark (Host: Weiwei Xu)</b>
Session Chair: Xiaofei Xie	
9:30-10:30	Keynote speaker: <b>Prof. Tsong Yueh Chen</b> <b>Failure-Based Testing</b>
10:30-11:00	Tea Break
<b>Machine Learning for Complex Systems</b>	
11:00-11:30	<b>Runtime Anomaly Detection for Drones: An Integrated Rule-Mining and Unsupervised-Learning Approach</b> <i>Ivan Tan, Wei Minn, Christopher M. Poskitt, Lwin Khin Shar, and Lingxiao Jiang</i>
11:30-12:00	<b>FinPTA: An Effective Model for Financial Sentiment Analysis</b> <i>Chen Yang, Xiao Yi, Guisheng Fan, Huiqun Yu, and Hengrun Zhang</i>
<b>12:00-12:30 (Online)</b>	<b>Single Image Defocus Deblurring in Photography Systems</b> <i>He Zhao, Shenggui Ling, Hongmin Zhan, and Rui Shi</i>
12:30-14:30	Lunch
Session Chair: Tianlin Li	
<b>Machine Learning for Complex Systems</b>	
14:30-15:00	<b>AMF-GCN: An Adaptive Graph Convolution Network for Pull-up Evaluation</b> <i>Xianglong Cao, Xin Li, and Jijun Tong</i>
15:00-15:30	<b>A Q-learning-driven multi-crossover NSGA-II framework for energy-efficient hybrid flow shop scheduling</b> <i>Jiale Wang, Mingyue Jiang, Hongyun Huang, Rui Xie, and Zuohua Ding</i>
15:30-16:00	Tea Break
<b>Trustworthy Deep Learning</b>	
16:00-16:30	<b>MixRecLGB: Language-Enhanced Mixed Attention for Temporal Context Modeling in Time Series Forecasting</b> <i>Yuxin Mei, Luxi Zhang, Li Han, and Jing Liu</i>
16:30-17:00	<b>Certified Enumeration of AI Explanations: A Focus on Monotonic Classifiers</b> <i>Clément Contet, Rosalie Defourné, and Aurélie Hurault</i>
<b>17:00-17:30 (Online)</b>	<b>Random Resampling of Training Data for Effective Verification Strategy Prediction</b> <i>Bharti Chimdyalwar, Priyanka Darke, R Venkatesh, and Supratik Chakraborty</i>
18:00-19:30	Dinner

### 3 July Thursday (Venue: Wangyue Hall, 3rd Floor)

9:00-17:00: Registration

Session Chair: Mingyue Jiang	
9:30-10:30	Keynote speaker: <b>Prof. Tianwei Zhang</b> <b>Securing the Mind and Body: Trustworthy Agent Systems Powered by Generative AI Models</b>
10:30-11:00	Tea Break
Trustworthy Deep Learning	
11:00-11:30	<b>PAMUS: An Entropy-Loss-Based Poisoning Attack for Undermining Machine Unlearning</b> <i>Xudong Jiang, Yuhang Ma, Wei Xu, and Jiahui Wen</i>
11:30-12:00	<b>DeepMR: A Learning-Based Approach for Efficient Mutation Reduction in DNN Fault Localization</b> <i>Huaizhi Yin, Weiwei Wang, and Ruilian Zhao</i>
12:00-12:30	<b>Investigating the OOV Problem and Its Impacts on Neural Program Repair</b> <i>Weijun Guo, Xuedan Zheng, and Mingyue Jiang</i>
12:30-14:30	Lunch
Session Chair: Yiran Zhang	
Edge Computing Systems	
14:30-15:00	<b>Auction-Based Caching Decision Algorithm for IoT Traffic with Popular and Fresh Content</b> <i>Hao Xu, Alvin Valera, Wuyungerile Li, and Winston K.G. Seah</i>
15:00-15:30	<b>Maximizing Long-term Task Completion Ratio of 3D-UAV-Enabled Wirelessly Powered MEC System</b> <i>Tixin Chen, Guanqun Shen, Xinnan Zhu, Shaojun Zhu, Bincheng Zhu, and Kaikai Chi</i>
15:30-16:00	Tea Break
LLM Empowered Software Engineering	
16:00-16:30	<b>Towards Efficient and Secure Multimodal Misinformation Detection</b> <i>Jianhao Wei, Yixiao Li, Xiaolong Li, Ming Zhao, Jin Zhang, Limei Li, and Junfeng Yang</i>
16:30-17:00	<b>Leveraging Large Language Models for Feature Envy Detection: A Context-Aware and Reasoning-Driven Approach</b> <i>Jiamin Guo, Yangyang Zhao, Zhifei Chen, and Liming Nie</i>
17:00-17:30	<b>RustMap: Towards Project-Scale C-to-Rust Migration via Program Analysis and LLM</b> <i>Xuemeng Cai, Jiakun Liu, Xiping Huan, Yijun Yu, Haitao Wu, Chunmiao Li, Bo Wang, Imam Nur Bani Yusuf, and Lingxiao Jiang</i>
18:00-20:00	Banquet

## 4 July Friday (Venue: Wangyue Hall, 3rd Floor)

9:00-12:00: Registration

Session Chair: Yuan Zhou	
9:30-10:30	Keynote speaker: Prof. Lei Ma <b>Trustworthiness Assurance of Intelligent Software Systems in the Age of Generative AI</b>
10:30-11:00	Tea Break
Formal Methods	
11:00-11:30	<b>LTL Model Checking of Concurrent Self Modifying Code</b> <i>Tayssir Touili and Olzhas Zhargeldinov</i>
11:30-12:00 (Online)	<b>Checking Linearizability of Multi-Core Task Management and Scheduling System</b> <i>Qiaowen Jia, Liangjie Lv, Yuting Yan, Bohua Zhan, Peng Wu, Jifeng Hao, Hong Ye, Chao Wang, and Yi Lv</i>
12:00-12:30 (Online)	<b>Contract-based Verification of Digital Twins</b> <i>Muhammad Naeem and Cristina Seceleanu</i>
12:30-14:30	Lunch
Session Chair: Wenbing Tang	
Formal Methods	
14:30-15:00	<b>Verifying Neural Network Controlled Systems by Combining Taylor Models and Linear Abstract Domains</b> <i>Minghao Li, Liqian Chen, Xinyu Wang, Shifu Yang, Yuan Zhou, and Ji Wang</i>
15:00-15:30	<b>Model Checking Nondeterministic Behaviours in the Tendermint Byzantine Fault Tolerant Blockchain Consensus Protocol</b> <i>Yisong Yu, Zhe Hou, Naipeng Dong, and Jin Song Dong</i>
15:30-16:00	Tea Break
Program Analysis	
16:00-16:30	<b>Uncover the Risks of Outdated Dependencies in Software Supply Chains: Insights from the npm Ecosystem</b> <i>Fenglin Bi, Cheng Liang, Yanbin Zhang, Yang Chen, and Wei Wang</i>
16:30-17:00	<b>EMS-HFL: A Hybrid based Fault Localization</b> <i>Donghua Wang, Zheng Li, Hengyuan Liu, and Yong Liu</i>
17:00-17:30	<b>CONAST: Graph Embedding based Fault Localization Integrating AST and Context-Awareness</b> <i>Haodong He, Tingting Wu, Qi Jin, and Zuohua Ding</i>