

Each session is up to 90 minutes. Full papers are allocated 25 minutes and short papers 15 minutes.

Full Paper (F) / Short Paper (S)			Paper title	Authors					
Paper ID					Chair: TBD	Online	Date	Start	End
Session 1 Evaluating AI systems									
23	F	Tianyue Wang, Fei Yuan, Chiaju Miao, Muralidharan Seshadri Kaniyanoor and Kazuo Matsumoto	AutoQABench: A Three-Level UX Benchmark for Automated Evaluation of Open-Ended LLM Responses				27-Jul	11:15	11:40
106	F	Francisca Isabella Manope, Adam Rafif Faqih, Daffa Hilmy Fadhlurrohman, Jati H. Husen and Rosa Reska Riskiana	LLM-Based Automatic Metamorphic Test Case Generation for LLM Fairness Testing				27-Jul	11:40	12:05
88	F	Ren Wei Lu, Wan Ping Chen and Fang Yu	Dual-Track Red Teaming and Evaluation for Traditional Chinese Localized LLMs				27-Jul	12:05	12:30
39	S	Landy Rakotoarison and Fanamby Randriamahenintsoa	Do AI Agents Exhibit Greed or Empathy in Shared Resource Environments?				27-Jul	12:30	12:45
Session 2 AI for Software Quality Engineering									
					Chair: TBD				
71	F	Erik Trevino	Deterministic Behavioral Contract Testing for AI Features at the Browser Layer				27-Jul	15:45	16:10
22	F	Ryoya Koyama, Zhiyao Wang, Devi Karolita, Jialong Li and Kenji Tei	Bridging the Interpretation Gap in Accessibility Testing: Empathetic and Legal-Aware Bug Report Generation via Large Language Models				27-Jul	16:10	16:35
37	S	João Domingues, Daniela Duarte, António Sousa and Nuno Pombo	AI4SE for CI/CD: Explainable Code Smell Risk Analysis				27-Jul	16:35	16:50
99	S	Raquel Blanco, María José Suárez-Cabal, Javier Tuya and Claudio de la Riva Álvarez	A RAG approach for assisting testers in database query testing				27-Jul	16:50	17:05
Session 3 LLMs for Software Engineering and Security									
					Chair: TBD				
98	F	Fuze Kuang, Dongmei Liu, Mingzhe Zhao and Longyang Mi	A Dynamic Evaluation Approach to Repository-Level Code Generation Via LLM			Online	28-Jul	10:15	10:40
103	F	Yuxuan Wang, Jingshu Chen and Qingyang Wang	LLM-Based Detection and Test Generation for Command Injection Vulnerabilities in Python			Online	28-Jul	10:40	11:05
54	F	Mizuki Yamada, Masahiko Kato and Juichi Takahashi	Improving LLM-Based Unit Test Generation Through Root-Cause-Driven Prompt Design				28-Jul	11:05	11:30
26	S	Muhammad Mudassar Yamin	VectorSec: A Web-Based AI Security Scanner for Systematic Evaluation of LLM Vulnerabilities				28-Jul	11:30	11:45
Session 4 Test Prioritization and Test Process Improvement									
					Chair: TBD				
78	F	Tien Duc Nguyen, Gonzalo Oberreuter, Siegfried Steckenbiller, Patrick Tkalcic and Gordon Fraser	Evaluating DL Test Adequacy Metrics: A Correlation Study with DeepCrime's Mutation Score				28-Jul	14:30	14:55
105	F	Gianmarco De Vita, Nargiz Humbatova and Paolo Tonella	Evaluating the Efficacy and Diversity of DNN Test Input Prioritisation Techniques				28-Jul	14:55	15:20
79	F	Ahmed Twabi, Yepeng Ding and Tohru Kondo	Formal Trajectory Analysis for Testing Agentic AI in Stateful Environments				28-Jul	15:20	15:45
2	S	Osama Saad, Mohamed Abdelkarim and Reem Eladawi	TE-TCP-Net: Parallel Transformer-Encoders for Test Case Prioritization				28-Jul	15:45	16:00
Session 5 Robustness and Regression Verification									
					Chair: TBD				
83	F	Li-Jen Lin and Chih-Duo Hong	Robustness Verification of RNN with Abstraction Refinement				29-Jul	10:15	10:40
87	F	Nayab Shahzad and Franz Wotawa	Ontology-based Testing of Reinforcement Learning Applications				29-Jul	10:40	11:05
104	F	Adiba Mahmud, Yasmeen Rawajfih and Ross Arnold	Beyond Bypass: Measuring Vulnerability Regression in LLM-Generated Security Patches				29-Jul	11:05	11:30
80	S	Vinil Pasupuleti, Srinivas Teja Songa, Nagesh Gulkotwar,	Behavioral Regression Testing for Continuously Updated Machine Learning Models			Online	29-Jul	11:30	11:45
Session 6 Domain-Specific AI Applications (1)									
					Chair: TBD				
89	F	Tang Phu Thien Nhan and Tomohiro Shibata	Transformer-Based Temporal Action Localization of Fine-Grained Operations in Biological Experiment Videos and Analysis of Compositional Limitations				29-Jul	15:30	15:55
107	F	Minggu Wang, Zhiyong Zhou, Fuyuan Zhang, Jianjun Zhao and Vinh Truong Duy Truong	Improving Robustness of Semantic Segmentation for Autonomous Driving: A Case Study				29-Jul	15:55	16:20
46	S	Mateus Molina, Alexander Günther and Peter Liggesmeyer	Connecting Uncertainty Quantification to Safety Engineering: Uncertainty Gate Framework for Safe ML Decision Making				29-Jul	16:20	16:35
56	S	Alena Bulda, Alexey Itkin, Daria Degtiarenko and Iosif Itkin	Passive Testing of AI-Enhanced Financial Systems via Protocol Traffic Analysis and Property-Based Validation				29-Jul	16:35	16:50
Online Ses: Testing and Validation of AI Systems									
					Chair: TBD				
94	F	Lingling Zhang, Fen Zhao and Xin Yang	A C-SSRS-Based Risk-Aware Evaluation Framework for Self-Harm Safety in LLMs			Online	28-Jul	14:30	14:55
55	S	Michael Johnson and Khaled Silhoub	Direct Transfer Learning for Cross-Project Test Case Prioritization under Cold-Start Conditions			Online	28-Jul	14:55	15:10
61	S	Dipayan Banik, Kowshik Chowdhury and Shazibul Islam	All Smoke, No Alarm: Oracle Signals in Agent-Authored Test Code			Online	28-Jul	15:10	15:25
96	S	Lifeng Ni and Lixin Tao	Bandit-Controlled Semi-Ensemble Learning for Accuracy-Energy Trade-off Under Real-time Edge Conditions			Online	28-Jul	15:25	15:40
101	S	Johannas Meela Katikala, Kanishk Sharma, Tharun Swaminathan Ravi Kumar and Sharad Sharma	Conversational AI for Safety-Critical Virtual and Extended Reality: Intelligent Agents Across Health Informatics, Navigation, and Urban Sensing			Online	28-Jul	15:40	15:55
57	F	Gopalakrishnan Marimuthu	Metamorphic Testing of Multi-Agent LLM Systems: A Trace-Based Behavioral Oracle Framework			Online	28-Jul	15:55	16:20
Online Ses: Domain-Specific AI Applications (2)									
					Chair: TBD				
70	F	Rahulgowtham Poola, L V S Guru Vardhan Guptha Yakkali and Eshwar Rama Naidu Dadi	ECG-Based Cardiac Arrhythmia Detection via Adaptive Continual Active Optimization with Hybrid Parallel Ensemble Architecture			Online	29-Jul	15:30	15:55
60	S	Sachin Antony	SwarmMind: Emergent LLM Ensemble Consensus with Penalise-Only Feedback for Adaptive Futures Trading			Online	29-Jul	15:55	16:10
64	S	Rahulgowtham Poola, Bhanu Prakash Kusha and Poorna Chandra Rao Varri	Spatiotemporal Graph Neural Networks with Adaptive Graph Learning for Public Transit Demand Forecasting and Load-Aware Route Optimization			Online	29-Jul	16:10	16:25
[Invited] AI Test 1 (Invited session 2)									
					Chair: Haihua Chen				
INV16		Karthik Rengarajan, Siddharth Pokuri, and Jerry Gao	A Survey on Intelligent Robot Testing and Automation				27-Jul	13:45	14:30
INV07		Huyen Nguyen, Haoxuan Zhang, Yang Zhang, Haihua Chen, Junhua Ding	LongSumEval: Question-Answering Based Evaluation and Feedback-Driven Refinement for Long Document Summarization			Online	27-Jul	14:30	15:15
[Invited] AI Test 2 (Invited session 7)									
					Chair: Monowar Bhuyan				
INV17		Xiaoke Han, Hong Zhu	MASTEST: A LLM Empowered Multi-Agent System for Testing REST APIs				29-Jul	13:30	14:15
INV05		Nariman Mani, Amr S. Abdelfattah, Shakthi Weerasinghe, Xiaozhou Li, Tomas Cerny	Multi-Agent Change Impact Analysis and Test Optimization for AI-Enabled Software Systems				29-Jul	14:15	15:00