

Schedule for the Parallel Sessions

Tuesday 4.11 13:00-13:50

Parallel Session	Chair & deputy	Location	
Security & Identity	Ivan Porres (Arif Khan)	Emilia	
1) "Towards Responsible AI-Driven Software Vulnerability Detection: A Hybrid Graph and Language Model Approach" <i>Revathi Karri, LUT</i> 2) "User Perspectives on Digital Tools and Engagement in Energy Communities" <i>Tamara Ahmed, LUT</i> 3) "What Are Digital Identities in Practice? Initial Insight from Finnish B2B Software Companies" <i>Eerika Peltonen, LUT</i>			
Regulation & AI	Fabian Fagerholm (Niko Mäkitalo)	Henrika 5	
1) "Metadata Card-Based Analysis of Software Systems for Regulatory Requirements Compliance Check" <i>Ali Mehraj, TUNI</i> 2) "Trustworthiness of AI for Autonomous Driving: A Design Problem" <i>Iddamalgoda Ranatunga, OULU</i> 3) "Systematic Literature Review of Quality Assurance in AI/ML-Based Healthcare Systems: Metrics, Frameworks and Regulatory Alignment" <i>Qaiser Khan, OULU</i>			
Processes & Methods 1	Kari Systä (Ella Peltonen)	Henrika 6	
1) "Improving Decision-Making in Large-Scale Agile Software Development" <i>Lucas Rocha, AALTO</i> 2) "Can We Adopt Small Language Models for Multi-Agent Systems in Software Engineering" <i>Md Mahade Hasan, TUNI</i> 3) "Generative AI in Professional Software Development in Finland: A Longitudinal Survey" <i>Samuli Määttä, OULU</i>			

Tuesday 4.11 14:10-15:00

Parallel Session	Chair & deputy	Location	
Quality	Casper Lassenius (Jaakko Järvi)	Emilia	
1) "Distributed Critical Test Generation for Cyber-Physical Systems" <i>Ali Kaya, ÅA</i> 2) "Barriers and Enablers of AI Adoption in Software Testing: A Secondary Study" <i>Katja Karhu, LUT</i> 3) "Quality of AI-based Software – A Systematic Literature Review" <i>Maryum Hamdani, UEF</i>			
Data Engineering	Rahul Mohanani (Prabhat Kumar)	Henrika 5	
1) "AstraClean-RAG: A Dual-Source Retrieval-Augmented Framework for Reliable and Evolvable LLM-Based Data Cleaning" <i>Bingxiang Chen, TUNI</i> 2) "VisualLogAnalyzer: An Interactive Web Application for Multi-Level Log Analysis" <i>Jesse Nyysölä, UH</i> 3) "Civic Tech and Data Sensemaking: The Impact" <i>Viktoriia Olshanskaia, LUT</i>			
Processes & Methods 2	Ella Peltonen (Muhammad Waseem)	Henrika 6	
1) "Core Theories in Agile Software Development" <i>Nan Yang, LUT</i> 2) "Revisiting Hybrid Work in Agile Software Engineering: A Systematic Literature Review" <i>Fateme Broomandi, LUT</i> 3) "VibeBench: A Multi-Dimensional Benchmark for AI-Assisted Coding" <i>Shahbaz Siddeeq, TUNI</i>			

Tuesday 4.11 15:10-16:00

Parallel Session	Chair & deputy	Location	
Edge AI & Federated Learning	Jaakko Järvi (Antti Knutas)	Emilia	
1) "AHPECA: Towards Analytics of AI-Human Powered Edge-Cloud Continuum Application" <i>Korawit Rupanya, AALTO</i>			
2) "Federated Learning With L0 Constraint Via Probabilistic Gates For Sparsity" <i>Krishna Huthasana, ÅA</i>			
3) "Guidelines for Handling FLOps Data in the Edge and Fog Environment" <i>Ari Kukkaro, TUNI</i>			
Requirements Management	Toni Taipalus (Marko Jäntti)	Henrika 5	
1) "Analyzing System Requirements with LLMs" <i>Leena Hellman, JYU</i>			
2) "Fine-Tuning Large Language Models for Requirements Engineering: Towards Transparency, Fairness, and Trustworthy Human-AI Collaboration" <i>Mateen Ahmed Abbasi, JYU</i>			
3) "Leveraging Generative AI for Sustainability-Aware Requirements" <i>Oshani Weerakoon, UTU</i>			
Formal Approaches and Quantum	Tomi Männistö (Ivan Porres)	Henrika 6	
1) "The Javascript Module System: A Mechanisation" <i>Yan Passeniouk, UTU</i>			
2) "λJS à la Carte" <i>Kirill Golubev, UTU</i>			
3) "Abstract for A Systematic Mapping Study on Toolchain Support for Quantum Computing as a Service" <i>Maryam Tavassoli Sabzevari, OULU</i>			

Wednesday 5.11 13:00-13:50

Parallel Session	Chair & deputy	Location	
Software Business	Maria Paasivaara (Sergio Moreschini)	Henrika 5	
1) "Public IS Procurement Stakeholders' Views on Success – A Delphi Study" <i>Sanni Marjanen, JYU</i> 2) "Towards Model-Driven Generation of GUI Variants" <i>Vihtori Mäntylä, AALTO</i> 3) "Towards Holistic and Systematic Ecosystem Governance: Forming Design Objectives for a Dedicated Domain-Specific Modeling Language – Position Paper" <i>Kolehmainen Taija, JYU</i>			
Programming	Burak Turhan (Jiri Musto)	Henrika 6	
1) "Practical Adoption of Green Coding: A Comparative Study Across Organizations in Finland and Globally" <i>Muhammad Asif Khan, LUT</i> 2) "Analyzing the Ripple Effects of Refactoring" <i>Mikel Robredo, OULU</i> 3) "The Impact of Large Language Models on Introductory Programming Courses: A Quantitative View" <i>Juuso Ryttilähti, UTU</i>			

Wednesday 5.11 14:10-15:00

Parallel Session	Chair & deputy	Location	
Architecture & Cloud	Ville Leppänen, (Jussi Kasurinen)	Henrika 5	
1) "Cloud Native Technologies: Analyzing Practitioner Opinions from Online Discussions" <i>Ruoyu Su, OULU</i>			
2) "Visual and Unsupervised Multimodal Anomaly Detection for Microservice Systems" <i>Ying Song, UH</i>			
3) "Analyzing Ownership Models Against Issue Resolution Efficiency" <i>Tomi Suomi, JYU</i>			
Safety Critical Domains	Alireza Olama (Jiri Musto)	Henrika 6	
1) "Agents with Bedside Manners: Adaptive Health Communication – An Agentic System for Medication Guidance" <i>Prashani Arachchige, ÅA</i>			
2) "Explainable AI-Based Diabetic Retinopathy Screening Using Vision Transformers: A Design Science Research Approach" <i>Sameera Gamage, OULU</i>			
3) "Towards Multimodal Digital Twin Environments for Automotive Applications" <i>Aleksi Vuorinen, OULU</i>			