

EUROMICRO SEAA 2026 - Conference Programme

Wednesday, 2nd September 2026			
Time	SEAA Track 1 - room 2	SEAA Track 2 - room 5	SEAA Track - room 6
07:45-08:30	Registration - Main Hall, building B8		
08:30 - 09:00	Welcome Session (Organizers, PC Chairs)		
09:00 - 10:30	Keynote 1 - Torvald Mårtensson (Saab AB and Linköping University): Testing and Test Environments for Large-Scale Cyber-Physical Systems Chair: Christian Berger Room 1 & 2		
10:30 - 11:00	Coffee Break		
11:00 - 12:30	Session 1: DAIDE Session chair: Helena H. Olsson Paweł Rzanny, Mirosław Ochodek and Mirosław Staron. <i>Decision-Makers' Perceptions of Barriers to AI Coding Assistant Adoption—A Survey Study</i> (F: 25 min)	Session 2: KKIO Session chair: Mirosław Ochodek Oskar Picus, Camelia Serban and Simona Motogna. <i>Assessment of SOLID Principles in UML Class Diagrams using LLMs</i> (F: 22 min)	Session 3: SM Session chair: Valeria Pontillo Xiaozhou Li and Andrea Janes. <i>Organizational Cohesion in Microservice Architectures: A Multi-Project Empirical Study</i> (F: 25 min)
	Abdulrahman Ramadan, Allan Peter Engsig-Karup, Hanen Borchani, Iben Lilholm and Mikkel Almind. <i>Neural Code Translation of Legacy Code: APL to C#</i> (F: 25 min)	Matheus Lopes and Breno Miranda. <i>Automating Environment Configuration and Execution in Hardware-Dependent Test Suites: An Empirical Study</i> (F: 25 min)	Stefano Lambiase, Gemma Catolino, Mario Torre, Damian Andrew Tamburri, Fabio Palomba and Filomena Ferrucci. <i>"Fright not and be dispersed!" Investigating the Influence of Cultural Dimensions on Communication and Collaboration in Software Development</i> (F: 25 min)
	Yaroslav Harbar and Jarosław A. Chudziak. <i>Cost-Quality Trade-offs in Reasoning Architectures for Agentic Software Engineering Deliberation</i> (S: 15)	Giray Akyol, İlke Latifoğlu, Atakan Kaya and Eray Tüzün. <i>LLM Firewalls: Private LLM Program Repair Using Hybrid Intent Inference</i> (F: 22 min)	Wouter Mulder, Massimiliano Di Penta, Giammaria Giordano, Rick Kazman, Fabio Palomba, Valeria Pontillo and Damian Andrew Tamburri. <i>"I Quit!": Understanding Practitioner Abrupt Disengagement through Socio-Technical Factors in Open Source Software</i> (F: 25 min)
	Philipp Zech, Sascha Hammes, Johannes Weninger, Jürgen Pannosch and Gernot Steindl. <i>Software Engineering for AI-driven Building Operation</i> (F: 25 min)	Dimitrios Christos Kavargyris, Nikolaos Mittas and Lefteris Angelis. <i>ESCOPlus 2.0: A Tool for ESCO Taxonomy Up-dating via Software Engineering Online Job Ads</i> (F: 22 min)	Olli Luukkonlahti, Petri Ihantola and Tommi Mikkonen. <i>Governing Enterprise Technical Debt: Aligning Visibility, Ownership, and Prioritization</i> (S: 15 min)
	Lunch Break - Krakus Restaurant, 1st floor, Reymonta 15		
14:00 - 15:30	Keynote 2 - Andreas Eckel (TTTech Computertechnik AG): R&D at large scale in the European SDV Eco System Chair: Paolo Burgio Room 1 & 2		
15:30 - 16:00	Coffee Break		
16:00 - 17:30	Session 4: DAIDE Session chair: Jan Bosch	Session 5:KKIO Session chair: Mirosław Ochodek	Session 6: SM Session chair: Fabio Palomba

	Alexander Naakka, Yuqing Wang and Mika Mäntylä. <i>LATS-RCA: Language Agent Tree Search for Root Cause Analysis in Microservice Systems</i> (F: 25 min) Best paper candidate	Raghu Reddy, Payel Das, Sandip Potdar and Himanshu Warudkar. <i>From Newcomers to Long-Term users: Shifts in Intrinsic, Extrinsic, and Task-Related Factors Driving GHCP Adoption</i> (F: 25 min)	Anca Vasilescu, Simona Motogna and Dan Mircea Suciu. <i>Women's Participation in Student Software Teams: A Replication Study</i> (F: 25 min)
	Georgia Kapitsaki. <i>Regulatory compliance-readiness in the AI Supply Chain: Examining datasets in Hugging Face</i> (F: 25 min)	Lars Struck, Christian Veenaas, Robert Wiederkind, Joshua Riechmann, Maria Rauschenberger, Philipp Diebold, Simone Dogu and Michael Neumann. <i>Neurodiversity in Agile Teams: Obstacles and Inclusion Barriers</i> (F: 25 min)	Widad El Ouataoui, Ali Idri and Alain Abran. <i>Reviewing the use of AI-Driven Functional Size Measurement</i> (S: 15 min)
	Omar Mohamed Hassane, Sushant Kumar Pandey, Sivajeet Chand and Miroslaw Staron. <i>Cross-Language Semantic Clone Detection with Instruction Fine-Tuned LLMs</i> (F: 25 min)	Klara Borowa, Dominik Nowak and Mikołaj Nowak. <i>Hidden or Formal Architects: Understanding Who Makes Architectural Decisions in Practice</i> (F: 25 min) Best paper candidate	Rana Abdelalim, Milad Ghantous, Hassan Soubra and Tuna Hacaloglu. <i>A RAG-Based Pipeline for Automated COSMIC Functional Size Measurement</i> (S: 15 min)
	Vladislav Indikov, Lars van Arragon and Daniel Strüber. <i>Toward Systematic Quality Assurance for MLOps</i> (S: 15 min)	Maciej Gula. <i>Word2Tensor: A Deterministic, Training-Free Snippet Representation for Code Retrieval and Indexing</i> (WiP: 7 min)	Vadim Peczyński and Joanna Szłapczyńska. <i>Microservice Decomposition using Many-Objective Optimization</i> (WiP: 7 min)
		Giorgia Paisi, Francesca Arcelli Fontana and Bartosz Walter. <i>Exploratory Study on Code Smells Detection and Refactoring using LLMs</i> (WiP: 7 min)	Rafał Włodarski, Lydia Eckstein and Michael Melville. <i>AI-supported feedback for software design artifacts: the role of feedback form and integration effort</i> (F: 25 min)
18:30 - 22:00	Welcome cocktail: Studio Club, Witolda Budryka 4 (walking distance from venue)		

F = full paper, S = short paper, WiP = work-in-progress paper

Thursday, 3rd September 2026				
Time	SEAA Track 1 - room 2	SEAA Track 2 - room 5	SEAA Track 3 - room 6	SEAA Track 4 - room 7
08:00 - 09:00	Registration - Main Hall, building B8			
09:00 - 10:15	Keynote 3 - Davide Rossi (University of Bologna, Fondazione Chips-IT): Past, Present and Future of RISC-V - The PULP Perspective Chair: Miguel Figueroa Room 1 & 2			
10:15-10:30	Sponsor presentation: Arteris - Advanced Network-on-Chip Solutions in AI and HPC Era - Adam Morawiec & Radosław Nawrot Chair: Tomasz Kryjak Room 1 & 2			
10:30 - 11:00	Coffee Break			
11:00 - 12:30	Session 7: DAIDE Session chair: Torvald Mårtensson	Session 8: CPS Session chair: Saad Mubeen	Session 9: MDEML Session chair: Kevin Feichtinger	Session 10: SPPI Session chair: Andrea Janes
	Chi Xiao, Daniel Ståhl and Jan Bosch. <i>Towards Automated Evaluation of UML Sequence Diagram Generation With Open-Source LLMs</i> (F: 30 min)	Md Masud Haider, Mughees Qasim, Chalith Haputhantrige, Nardos Estifanos, Kari Systä, Niko Mäkitalo, David Hästbacka and Tommi Mikkonen. <i>Running ML-models Dynamically on Edge Devices</i> (F: 28 min)	Nils Niehues and Robert Heinrich. <i>Automatic Translation Of Data Flow Constraints Into Conjunctive Normal Form</i> (F: 30 min)	Janek Groß, Elena Zentgraf and Jens Heidrich. <i>Quality Metrics for LLM-Generated Asset Administration Shells: A Perturbation-Based Evaluation Approach</i> (F: 22 min)
	Robert Heumüller and Frank Ortmeier. <i>CreaTE+: Cross Modal Retrieval for Code Review Comment Generation</i> (S: 20 min)	Milko Monecke, Julian Böhm and Sabine Glesner. <i>Fairness in Task-Set Generation under Fixed Specifications</i> (F: 28 min)	Karl Kegel, Markus Hamann and Uwe Aßmann. <i>Karpfen: A Lightweight Modeling- and Model Execution Toolkit for Education and Prototyping</i> (F: 30 min)	Srijita Basu and Miroslaw Staron. <i>Security in a Workflow: Exploring Role-Based Agentic Architectures for Vulnerability Handling</i> (F: 22 min)

	Fatiha El Aouni and Karima Moumane. <i>Anomaly Detection in DevOps Pipelines Using LSTM, Autoencoders, and K-Means Clustering</i> (S: 20 min)	Mahdi Jafari, Thomas Weber, Fatma Chebbi, Christopher Gerking and Ralf Reussner. <i>Using Architectural Zones to Generate Information-Flow-Aware Abstract Penetration Test Cases</i> (F: 28min)	Fabian Eger, Maximilian Heisinger, Rick Rabiser and Kevin Feichtinger. <i>Analyzing DOPLER Decision Models with SMT</i> (S: 15 min)	Lorenzo Abbondante and Gerardo Canfora. <i>Commit-Aware Learning-Based Test Case Prioritization for Continuous Integration</i> (S: 15 min)
	Jan Dolejš, Martin Jureček and Róbert Lórencz. <i>Gray-Box Poisoning of Continuous Malware Ingestion Pipelines</i> (S: 20 min)	Stefan Biffl, Tobias Bein, Sebastian Kropatschek, Kristof Meixner, Arndt Lüder. <i>SIAM DSL: Accessible Structured Text for Bridging the Architecture-Impact Gap in Cyber-Physical Production Systems</i> (WiP: 7 min)	Henri Cossais, Léna Bamouh, Erwan Bousse, Jean-Marie Mottu and Gerson Sunye. <i>Constraint-based Test Case Concretization for End-to-end Combinatorial Testing</i> (S: 15 min)	Gargie Tambe and Y. Raghu Reddy. <i>HARP-ML Framework: A Hybrid Assisted Refactoring Pipeline for ML Code Smells</i> (S: 15 min) Lorenzo Laudadio, Alessandro Costantino, Marco Torchiano and Riccardo Coppola. <i>GAppium+: A Tool For Gamified Testing With Appium Inspector</i> (S: 15 min)
12:30 - 14:00	Lunch Break - Krakus Restaurant, 1st floor, Reymonta 15			
14:00 - 15:30	Keynote 4 - Jaroslaw Krolewski (Synerise, AGH University of Krakow): Synerise Case Study - Engineering Teams That Ship a Billion Decisions a Day - Peopleware at Production Scale Chair: Marek Gorgoń Room 1 & 2			
15:30 - 16:00	Coffee Break			
16:00 - 17:00	Session 11: EXTRA Session Chair: Giammaria Giordano	Session 12: CPS Session Chair: Saad Mubeen	Session 13: SMSE Session Chair: Stephen Swift, Mahir Arzoky	Session 14: SPPI & ECT Session Chair: Stefan Biffl
	Kayode Sakariyah Adewole, Romina Spalazzese, Paul Davidsson and Andreas Jacobsson. <i>A Framework for Assessing Trustworthiness in Intelligent IoT Systems</i> (F: 22 min)	Jesper Winsten, Gaadha Sudheerbabu, Dragos Truscan, Miro Eklund and Ivan Porres. <i>From System Specifications to Adaptive Conformance Testing of a Waste Heat Recovery Simulation Model: An Industrial Case Study</i> (F: 25 min)	Ignacio Marco-Pérez, Beatriz Pérez and Ángel Luis Rubio García. <i>Automated Data Extraction in Software Engineering SLRs: Promise, Pitfalls, and the Role of Human Oversight</i> (F: 20 min)	Muhammad Usman, Johan Linåker, Deepika Badampudi and Hannes Salin. <i>Adopting InnerSource in a Public Sector Organization: An Exploratory Case Study</i> (S: 15 min)
	Giuseppe Di Martino, Sergio Di Meglio, Valeria Pontillo and Luigi Libero Lucio Starace. <i>Exploring the Socio-Technical Motivations Behind the Adoption and Migration of Web GUI Testing Frameworks</i> (F: 22 min)	Stefan Manfred Haratzmüller, Thomas Rosenstatter, Olaf Saßnick, Dalibor Sain and Stefan Huber. <i>ISIA-AF: Orchestrating Reproducible Attacks and Multi-Source Data Collection for OT Systems</i> (S: 15 min)	Mika Mäntylä, Patricia Matsubara, Katia Felizardo, Miiikka Kuutila, Marco Gerosa, Savio de Sousa Sampaio, Tayana Conte and Igor Steinmacher. <i>Understanding LLMs in Title-Abstract Screening: From Disagreements to Recommendations</i> (F: 20 min)	Momoe Kobayashi, Takako Nakatani and Takashi Kobayashi. <i>Bridging Stakeholder Needs and Requirements via Multi-perspective Goal Modeling: A Case Study of Administrative Digital Transformation in Japan</i> (S: 15 min)
	Giorgos Vrakas, Georgia Kapitsaki and Tatiani Eleni Synodinou. <i>Enabling lawful Text and Data Mining: a platform to navigate the complex web of legal rules</i> (S: 15 min)	Ryuga Chiba, Hiroshi Fujimoto and Takuya Azumi. <i>Model-Based Retargeting to Many-Core CPS: Simulink-to-OpenCL Workflow</i> (S: 15 min)	Jesse Nyssölä, Hamza Bin Mazhar, Alexander Bakhtin, Matteo Esposito, Nana Reinikainen, Yuqing Wang, Ying Song, Davide Taibi and Mika Mäntylä. <i>Towards LLM Accelerated Rapid Reviews for Software Tool Discovery - Case for Log Anomaly Detection</i> (F: 20 min)	Aurora Macías, Evangelos Ntontos, Uwe Zdun and Elena Navarro. <i>Architectural Design Decisions for Entanglement between Digital Twins and Microservices-based Systems</i> (S: 15 min) Tomáš Bureš, František Plášil, Petr Hnetynka and Michal Topfer. <i>Towards</i>

				<i>Component-based Development for the Era of AI Coding Agents (S: 15 min)</i>
17:30 - 22:30	Gala dinner: Folwark Zalesie (bus transport)			

F = full paper, S = short paper, WiP = work-in-progress paper

Friday, 4th September 2026			
Time	SEAA Track 1 - room 2	SEAA Track 2 - room 5	SEAA Track 3 - room 6
08:00 - 09:00	Registration - Main Hall, building B8		
9:00 - 10:00	Keynote 5 – Mira Mezini (TU Darmstadt): AI-assisted Programming: From Intelligent Code Completion to Foundation Models. A Twenty-Year Journey Chair: Verena Klös Room 1 & 2		
10:00-10:15	Sponsor presentation: Cyfronet - National HPC Competence Centre - a gateway to Polish supercomputing infrastructure for science and industry, Klemens Noga Chair: Tomasz Kryjak Room 1 & 2		
10:15 - 10:45	Coffee Break		
10:45 - 12:15	Session 15: KKIO Session chair: Srijita Basu	Session 16: SMSE Session chair: Stephen Swift	Session 17: STREAM Session chair: Giuseppe Scanniello
	Michał Mnich, Adam Roman and Arkadiusz Pośpieszny. <i>Evaluation of Quality, Effectiveness, and Reproducibility of AI-Generated Unit Tests Through Mutation Testing Techniques</i> (F: 22 min)	Maryum Hamdani, Mateen Ahmed Abbasi, Marko Jantti and Markku Tukiainen. <i>Challenges and Contributions in Quality of AI-Based Software: A Systematic Mapping Study</i> (F: 22 min)	Deepansha Chowdhary. <i>Empirical Study on Engineering Decisions in Multi-Agent Reinforcement Learning Systems</i> (F: 22 min)
	Bachar Rima, Anas Shatnawi and Abdelhak-Djamel Seriai. <i>E2E Test Generation over a Source-Code-Derived Workflow Space: An Angular Case Study</i> (F: 22 min) Best paper candidate	Eda Okay and Özden Özcan Top. <i>A Systematic Assessment of Maturity Models for AI/ML-Based Software Development</i> (F: 22 min)	Oliver Larsen and Mahyar Moghaddam. <i>Mining Architectural Quality Under Agentic AI Adoption: A Causal Study of Java Repositories</i> (F: 22 min)
	Riccardo Coppola, Tommaso Fulcini, Flavio Giobergia, Davide Randino, Marco Roman, Erik Scolaro, Luigi Aceto and Isabella Ilaria Favero. <i>Do Multi-Agent LLMs Improve Test Generation? A Study of Coverage, Mutation Score, and Cost</i> (F: 22 min)	Gabriele De Vito, Filomena Ferrucci and Luca Visentin. <i>How Generative AI is Used in Software Project Management: A Systematic Literature Review</i> (F: 22 min)	Sophie Chaveli, Mahir Arzoky, Stephen Swift and Steve Counsell. <i>Selecting GitHub Repositories for Electroencephalography-based Code Quality Assessment</i> (F: 22 min)
	Mete Akcay, Moamin Abughazala and Henry Muccini. <i>LiteReviewer: A Practical, Energy-Aware Code Review System Using Local Language Models</i> (F: 22 min)	Spyridon Alvanakis Apostolou, Jan Bosch and Helena Holmström Olsson. <i>Assistance to Autonomy: A Systematic Literature Review of Agentic AI across the Software Development Lifecycle</i> (F: 22 min)	Sabato Nocera and Giuseppe Scanniello. <i>Cryptography Bill of Materials Generation and Consumption: A Mining Study from GitHub</i> (F: 22 min) Best paper candidate
12:15 - 13:30	Lunch Break - Krakus Restaurant, 1st floor, Reymonta 15		
13:30 - 15:00	Session 18: KKIO Session chair: Srijita Basu	Session 19: SMSE Session chair: Mahir Arzoky, Sophie Chaveli	
	Paweł Rzanny, Miłosz Matuszewski, Michał Maćkowiak and Mirosław Ochodek. <i>A Unified Architecture for Inter-Commit Fine-Grained Code Change Collection: Design, Rationale, and Validation</i> (F: 30 min)	Ying Song, Ke Ping, Yuqing Wang and Xiaozhou Li. <i>Large Language Models for Fuzz Testing in Microservices: A Systematic Literature Review</i> (F: 22 min)	
	Fernando Pastor Ricos, Robbert van Dalen, Ashish Ghosh, Beatriz Marin and Tanja E. J. Vos. <i>Supportive generation of Test Scenarios in INGenious using scriptless AI-agents</i> (F: 30 min)	Mina Badri, Helena Holmström Olsson and Jan Bosch. <i>Bridging Research and Practice in Federated Learning: A Multivocal Review of System-Level Architectures and Processes</i> (F: 22 min)	

	Jakub Ruszil, Adam Roman, Jakub Zelek, Artur Polański, Dmytro Polishchuk and Konrad Poręba. <i>A Large-Scale Dataset of Non-Isomorphic Control Flow Graphs from Real-World Code for Test Design Problems</i> (S: 15 min)	Marco Hecktor and Sabine Sachweh. <i>Green Software Engineering: A Systematic Mapping of Design Impacts on Energy Consumption</i> (F: 22 min)	
	Filip Vabroušek. <i>Nodality: Treating the Build Pipeline as First-Class Data in Declarative Web UI Construction</i> (S: 15 min)	Fazeleh Dehghani Ashkezari, Martin Höst, Kayode S. Adewole, Klara Svalin and Andreas Jacobsson. <i>Interpersonal Violence and Abuse in Smart Homes: A Systematic Mapping Study</i> (F: 22 min)	
15:15 - 15:45	Closing Session (Organizers, PC Chairs)		

F = full paper, S = short paper, WiP = work-in-progress paper

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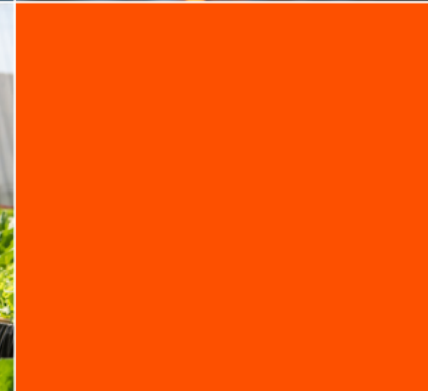
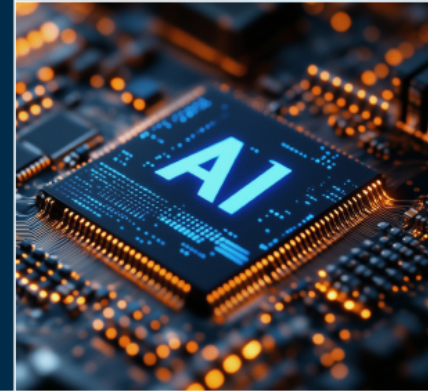
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(supported on some Android devices)

NETWORK

AGH-Events

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DSDSEAA

PASSWORD

Welcome2AGH

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BUILDING SIGNAGE PLAN

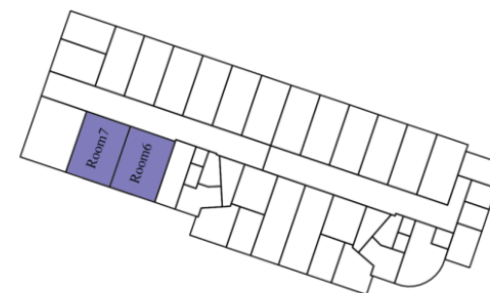
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LEVEL 0 — GROUND FLOOR



LEVEL 1 — 1st FLOOR



LEVEL 2 — 2nd FLOOR

ROOM 1

ROOM 2

ROOM 3

ROOM 4

ROOM 5

ROOM 6

ROOM 7