

SSP'25 Symposium Program

Note: Session 2b will be held in [Marine Science Campus](#)

Monday, November 3 ([Kiel University](#))

14:00 — Kieker Developer Meeting

Tuesday, November 4 ([adesso Kiel](#))

09:00 — 09:30	Registration and Get Together	
09:30 — 09:40	Opening and Welcome Note	
09:40 — 09:55	Short Reports on Palladio, Kieker, and Descartes	
09:55 — 10:40	Keynote 1: Wirth's Law in the Age of Cloud and Green IT: Addressing Software Complexity for Sustainable Performance. Christian Dähn, adesso. (Keynote Chair: Wilhelm Hasselbring)	
10:40 — 11:10	Coffee Break	
11:10 — 12:50	Session 1: Cloud & Containers , Session Chair: David Georg Reichelt Validating Alerts in Cloud-Native Observability . Maria C. Borges, Julian Legler and Lucca Di Benedetto. RAdaptSQ: Real-Time AI-Planning and Environment-Aware Self-Adaptation to Optimize Security and QoS . Lin Cui and Raffaella Mirandola.	
	Towards Bringing Vitruvius into the Cloud II: Against Attacks from the Internet . Martin Armbruster, Fatma Chebbi, Thomas Weber and Anne Koziulek. A Case Study on the Value of Simulations and Synthetic Microservice Applications for Performance Model Training . Yannik Lubas, Martin Straesser, Ivo Rohwer, André Bauer and Samuel Kounev.	
12:50 — 14:20	Lunch Break	
14:20 — 16:00	Venue: adesso Kiel	Venue: Marine Science Campus
	Session 2a: Modeling , Session Chair: Ralf Reussner	Session 2b: Benchmarking and Monitoring , Session Chair: Markus Weninger
	Towards Scalability Analysis of State-based Model Comparison . Martin Armbruster, Manar Mazkatli, Alp Toraç Genç and Anne Koziulek.	Detection of Performance Changes in MooBench Results Using Nyrkiö on GitHub Actions . Shinhyung Yang, David Georg Reichelt, Henrik Ingo and Wilhelm Hasselbring.
	Towards Intelligent Performance Data Analytics With Graph Databases . Ivo Rohwer, Martin Straesser, Yannik Lubas, Samuel Kounev and André Bauer. Generation of Checkpoints for Hardware Architecture Simulators . Sebastian Weber, Lars Weber, Thomas Weber, Jörg Henß and Robert Heinrich. Extracting Reusable Service Demands for TeaStore . Elijah Seyfarth, Sebastian Frank and Jóakim von Kistowski.	Dynamic and Static Analysis of Python Software with Kieker . Daphné Larrivain, Shinhyung Yang and Wilhelm Hasselbring. Benchmarking Pattern Matching Strategies for Scalable Log Analytics . Luka Leko, Sören Henning, Adriano Vogel, Otmar Ertl and Rick Rabiser. First Steps for Performance Monitoring of Petri Net Simulator Renew with Kieker . Marcel Hansson and Daniel Moldt.

16:00 — 16:30	Coffee Break
16:30 — 17:45	Session 3: AI-Driven Performance Modeling , Session Chair: Steffen Becker LLM-Assisted Microservice Performance Modeling . Maximilian Hummel, Nathan Hagel, Minakshi Kaushik, Jan Keim, Erik Burger and Heiko Koziolk. LLMs on Affordable GPUs: A Benchmarking Study . David Georg Reichelt, Daniel Abitz, Jonathan Groß and Stefan Kühne. Machine Learning Surrogate Models for Performance Prediction with Architectural Models . Sebastian Weber, Vincenzo Pace, Thomas Weber, Jörg Henß and Robert Heinrich.
17:45	Closing and End of the First Day Remarks
19:30	Conference Dinner

Wednesday, November 5 ([adesso Kiel](#))

09:00 — 09:30	Registration and Get Together
09:30 — 09:40	Opening and Welcome Note
09:40 — 10:25	Keynote 2: Should I Run My Cloud Benchmark on Black Friday? Sören Henning, Dynatrace. (Keynote Chair: Shinhyung Yang)
10:25 — 10:55	Group Photo & Coffee Break
10:55 — 12:35	Session 4: Monitoring & Visualization , Session Chair: Sören Henning Simplifying Kotlin Compile-Time Code Instrumentation . Lorenz Bader and Markus Weninger. OpenTelemetry Instrumentation using Kotlin Multiplatform Compiler Plugins . Fabian Schoenberger and Markus Weninger. Analysis and Visualization of Unit Test Traces With Kieker and ExplorViz . Malte Hansen, David Georg Reichelt and Wilhelm Hasselbring. Interoperability From OpenTelemetry to Kieker: Demonstrated as Export from the Astronomy Shop . David Georg Reichelt, Shinhyung Yang and Wilhelm Hasselbring.
12:35 — 12:55	Conference Closing and Final Remarks
12:55	Lunch