

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.

10:40 — 11:10 Coffee Break

Session 1: Cloud & Containers

[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

Session 2a: Modeling ([adesso Kiel](#))

[Towards Scalability Analysis of State-based Model Comparison](#). Martin Armbruster, Manar Mazkatli, Alp Toraç Genç and Anne Koziulek.

[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.

Session 2b: Benchmarking and Monitoring ([Marine Science Campus](#))

[Detection of Performance Changes in MooBench Results Using Nyrkiö on GitHub Actions](#). Shinhyung Yang, David Georg Reichelt and Wilhelm Hasselbring.

[Dynamic and Static Analysis of Python Software with Kieker](#). Daphné Larrivain, Shinhyung Yang and Wilhelm Hasselbring.

14:20 — 16:00

[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

[LLM-Assisted Microservice Performance Modeling](#). Maximilian Hummel, Nathan Hagel, Minakshi Kaushik, Jan Keim, Erik Burger and Heiko Koziulek.

	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.
10:25 — 10:55	Coffee Break
	Session 4: Monitoring & Visualization
	Simplifying Kotlin Compile-Time Code Instrumentation . Lorenz Bader and Markus Weninger.
	OpenTelemetry Instrumentation using Kotlin Multiplatform Compiler Plugins . Fabian Schoenberger and Markus Weninger.
10:55 — 12:35	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