

Observability Framework

Update @ SSP 2025

Wilhelm (Willi) Hasselbring

Software Engineering, Kiel University, Germany
<http://se.informatik.uni-kiel.de>

Kiel, November 4th, 2025



Kiel University
Christian-Albrechts-Universität zu Kiel



Shinhyung Yang



Henning Schnoor



Natalie Kaufhold



Yorrick Josuttis



Willi Hasselbring



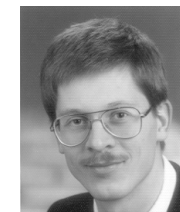
Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG



Marcel Hansson



Laif-Oke Clasen



Daniel Moldt



David Georg Reichelt



The Kieker Observability Framework Version 2

Authors:  Shinhyung Yang,  David Georg Reichelt,  Reiner Jung,  Marcel Hansson,  Wilhelm Hasselbring | [Authors Info & Claims](#)

ICPE '25: Companion of the 16th ACM/SPEC International Conference on Performance Engineering
Pages 11 - 15 • <https://doi.org/10.1145/3680256.3721972>

Abstract



Observability of a software system aims at allowing its engineers and operators to keep the system robust and highly available. With this paper, we present the Kieker Observability Framework Version 2, the successor of the Kieker Monitoring Framework.

Kieker-related presentations @ SSP 2025

Detection of Performance Changes in MooBench Results Using Nyrkiö on GitHub Actions.

Shinhyung Yang, David Georg Reichelt, Henrik Ingo and Wilhelm Hasselbring.

Dynamic and Static Analysis of Python Software with Kieker.

Daphné Larrivain, Shinhyung Yang and Wilhelm Hasselbring.

First Steps for Performance Monitoring of Petri Net Simulator Renew with Kieker.

Marcel Hansson and Daniel Moldt.

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.