Message from the Modellierung’24 Tools & Demos Chairs

Robin Bergenthum\textsuperscript{1} and Julius Köpke\textsuperscript{2}

Modeling is only efficiently applicable with proper modeling tool support. The conceptualization and implementation of modeling tools is consequently a long-lasting but still ongoing endeavor of the information systems engineering and conceptual modeling research communities.

At Modellierung 2024, a dedicated track was aimed for the newest modeling tools. The aim of this track was to present modeling tools that have been and are being developed by the modeling community. The Call for Papers particularly invited submissions of tools that:

- use novel interfaces (e.g., tangible user interfaces, virtual reality environments, web modeling tools, mobile interfaces),
- support collaborative (inter-organizational) modeling,
- offer novel forms of modeling support (e.g., by Large Language Models),
- are developed using new technologies and platforms, or
- technically implement new modeling methods.

Each submitted tool paper underwent rigorous reviewing. Four anonymous reviewers from the Tools & Demos Program Committee were assigned and assessed the papers. Eventually, the following four tools have been accepted and were presented at the conference:

The paper \textit{Modellierung von komplexen Abläufen im Paose Kontext mit dem Diagram Tool} by Daniel Moldt, Lukas Seifert, Karl Ihlenfeldt, Laif-Oke Clasen and Marcel Hansson introduces a new version of the Diagram Tool. This tool is a Renew plugin supporting the Paose modeling approach. The Diagram Tool is able to convert Interaction Overview Diagrams into Interface- and Workflow-Nets.

The paper \textit{Automatisierte Verarbeitung natürlichsprachlich repräsentierter Sachverhalte zur Identifizierung von Kandidaten für Bezeichner in Datenmodellen} by Sven Christ and Stefan Strecker introduces a new feature of the TOOL modeling tool. TOOL can suggest element identifiers of an Entity-Relationship Model. To suggest identifiers, the new version utilizes Large Language Models instead of Natural Language Processing. First experiments show, this is more appropriate.

The paper \textit{Interface Nets Tool: Modellierung von Netzkompositionen} by Karl Ihlenfeldt, Daniel Moldt, Lukas Seifert and Laif-Oke Clasen introduces the Interface Nets Tool. The

\textsuperscript{1} FernUniversität in Hagen, Hagen, Germany, robin.bergenthum@fernuni-hagen.de
\textsuperscript{2} Universität Klagenfurt, Klagenfurt am Wörthersee, Austria, julius.koepke@aau.at
Interface Nets Tool is a Renew plugin to model and compose Interface Nets, introduced in the HERAKLIT modeling approach.

The paper *Das *-Werkzeug: Autokorrektur von Petrinetzen mithilfe von halbgeordneten Verhaltensdaten* by Robin Bergenthum, Jakub Kovář and Nico Lueg introduces the tool. The tool implements auto-correction of a Petri net using an event log or a partial language as a specification of behavior.

**Program Committee**

We want to thank all members of the program committee for their valuable feedback on the submitted papers.

- Leon Bein
- Robin Bergenthum
- Dominik Bork
- Jörg Desel
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- Daniel Moldt
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- Friedrich Steimann
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- Marina Tropmann-Frick
- Heinz Züllighoven

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Robin Bergenthum and Julius Köpke