

Message from the Modellierung'22 Tools & Demos Chairs

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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 2022, 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:

- implement new interfaces for modeling tools (e.g., tangible user interfaces, virtual reality environments, web modeling tools, mobile interfaces),
- support collaborative (inter-organizational) modelling, offer novel forms of modeling support,
- are developed or offered with new technologies and platforms, or
- technically implement new modeling methods.

Each submitted tool paper underwent rigorous reviewing. Three 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:

In the paper entitled *The Simplified Platform, an Overview* Mark A.T. Mulder et al. introduce a novel, cloud-based platform for modeling and metamodeling called *Simplified*. The paper describes the platform's architecture, features, and visualizations, and also reports on the possibilities to develop support for new modeling languages.

The paper *Beyond Low Code Platforms: The XModeler^{ML} — an Integrated Multi-Level Modeling and Execution Environment* by Ulrich Frank et al. introduces the multi-level modeling platform XModeler^{ML}. The paper proposes the architecture of the tool and exemplifies its use with three use cases. A principal feature of XModeler^{ML} is the support for multi-level modeling languages that, on the XModeler^{ML} editor side, allow the creation of models that feature an arbitrary number of classification levels.

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The latest developments on an ADOxx-based modeling tool for the Multi-Perspective Enterprise Modeling (MEMO) modeling method are reported in the paper *MEMO4ADO: A Comprehensive Environment for Multi-Perspective Enterprise Modeling* by Alexander Bock and colleagues. The paper shows how the different MEMO languages have been realized and integrated with ADOxx and reports a brief use case.

Eventually, Yorck Zisgen and colleagues report on a tool which allows the generation of synthetic (sensor) event logs for conducting process mining. Their paper, entitled *Modellierungsumgebung zur Erzeugung synthetischer Ereignisprotokolle für das Process Mining*, introduces the tool and showcases its application in two cases, one regarding processes in the smart homes domain, the other regarding processes in the domain of hospitals.

Program Committee

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

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- Hans-Georg Fill
- Jonas Friederich
- Antonio Garmendia
- Jens Gulden
- Stephan Kühnel
- Ana Nicolaescu
- Alixandre Santana
- Andreas Steffens
- Benjamin Ternes

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