Message from the Modellierung’24 Workshop Chairs

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This volume includes the proceedings of the workshops held at the 2024 Modellierung conference in Potsdam (Modellierung’24). The Modellierung conference series provides a forum for foundations, methods, techniques, tools as well as domains and applications of modeling. In addition to the main scientific programme, workshops are an essential part of the conference programme of the Modellierung conference, as they offer the opportunity for in-depth discussions of topics from modeling research and practice. The workshops were held on the 12th of March 2024 in Potsdam.

1 Workshops

Workshop proposals were reviewed by the workshop chairs, considering their relevance to the conference and their potential to attract an audience. The following workshops were held at Modellierung’24:

- **Workshop on Modeling in the Age of Large Language Models (LLM4Modeling’24).** Large language models (LLM) have received enormous attention in practice and science since ChatGPT at the latest. It is obvious that the use of LLM has the potential to quickly develop some rudimentary aspects of a domain model. However, it is unclear in which precision and quality this might be possible. The question is how modeling deals with LLM in the future. The workshop aims at illuminating potentials and challenges of LLM in modeling.

- **Workshop on Research Data Management in Modelling in Computer Science (RDiMOD’24).** Handling research data is an essential part of many projects. Large research projects must always present a plan for how they will handle research data. The consortium NFIDxCS started working to provide systematic and structured processes to obtain the information to build an infrastructure to handle research data. The workshop therefore provides a basis for discussing systematic approaches to dealing with research data.

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• Workshop on Virtues and Values in Conceptual Modeling and Requirements Engineering (ViVa Models!’24). Ethics and human values in developing software systems have long been a topic of discussion. This workshop will reflect about models and methods for incorporating values into system development. A specific focus lies on how ethical reasoning can be supported with the help of software-tools.

2 Acknowledgements and Thanks

We would like to thank the workshop organizers for their workshop proposals, adherence to deadlines and their engagement for the workshops as integral part of Modellierung 2024:

• Peter Fettke, Hans-Georg Fill and Julius Köpke for organizing the workshop on Modeling in the Age of Large Language Models (LLM4Modeling’24)
• Agnes Koschmider, Christian Terboven and Michael Goedicke for organizing the workshop on Research Data Management in Modelling in Computer Science (RDi-MOD’24)
• Alexander Rachmann and Jens Gulden or organizing the workshop on Virtues and Values in Conceptual Modeling and Requirements Engineering (ViVa Models!’24)

In addition, we are grateful to the workshop program committees for reviewing and ensuring the quality of the research presented and discussed in the workshops. We further thank the authors of all workshops for submitting and presenting their research and making the workshops at Modellierung’24 interesting events.

Furthermore, our thank goes to the Modellierung 2024 General Chairs Mathias Weske and Judith Michael for hosting the workshops and for their continuous support.

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