

6th International Workshop on Empirical Methods in Conceptual Modeling (EmpER'23)

Lisbon, Portugal (Co-located with ER 2023)

Overview

Conceptual modeling has enjoyed substantial growth over the past decades in fields ranging from Information Systems Analysis to Business Process Engineering. A plethora of conceptual modeling practices (languages, frameworks, methods, etc.) have been proposed, promising to facilitate activities such as communication, design, or decision-making.

Success in adopting a conceptual modeling practice is, however, predicated on convincingly demonstrating that it indeed successfully supports these activities. At the same time, the way individuals and groups produce and consume models gives raise to cognitive, behavioral, organizational or other phenomena, whose systematic observation may help us better understand how models are used in practice and how we can make them more effective.

Furthermore, the act of building conceptual models is ideally informed by empirical evidence that is nowadays abundant in the form of digital data. This overabundance of data, combined with the advent of advanced data analysis and artificial intelligence (AI) techniques, introduces major opportunities and challenges in an empirically-informed conceptual modeling practice.

Aim and Topics

We aim at bringing together researchers with an interest in the empirical investigation of conceptual modeling practices, as well as with the study of a data-driven, evidence-based conceptual modelling practice. Contributions include but are not limited to:

- Complete, on-going or planned empirical studies in conceptual modeling.
- Literature Reviews on empirical research.
- Theoretical/philosophical positions.
- Technical contributions, case studies, or position and vision papers on data-driven, evidence-based conceptual modeling.
- Discussions/positions on statistical and methodological issues.
- Lessons learned from past studies.

Submissions

We solicit three types of papers:

- **Full papers** describing a completed study or a technical contribution in empirical conceptual modeling.
- **Work-in-progress papers** describing a planned study, a study in progress, or other early results.
- **Position, vision and lessons papers** about the use of empirical methods for conceptual modelling.

Papers shall be limited to no more than 10 pages in LNCS format. The EmpER'23 accepted papers will be published within the ER Workshop proceedings, in the Springer LNCS Series.

Format and Duration

The workshop will consist of paper presentations with an emphasis on discussion. Time permitting, papers presenting on-going studies will have a discussion session let by a designated member of the program committee. We aim at inviting an appropriate keynote speaker, experienced in empirical evaluation of conceptual modelling.

Location

The workshop is co-located with the 42nd International Conference on Conceptual Modeling (ER 2023), which will take place in Lisbon, Portugal.

Important Dates

Submission date: August 2nd, 2023

Workshop author notification: September 4th, 2023

Camera-ready submission: September 20th, 2023

Workshop dates: November 6th - 9th, 2023

Workshop Organizers

- Dominik Bork, TU Wien, Austria
- Miguel Goulão, Universidade Nova de Lisboa, Portugal
- Sotirios Liaskos, York University, Canada



URL