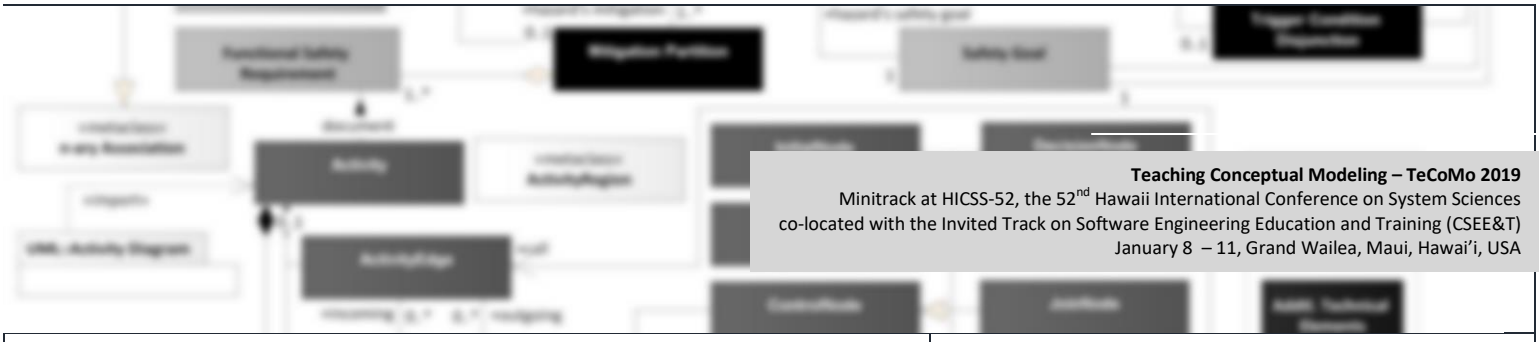

Teaching Conceptual Modeling – TeCoMo 2019
Minitrack at HICSS-52, the 52nd Hawaii International Conference on System Sciences
co-located with the Invited Track on Software Engineering Education and Training (CSEE&T)
January 8 – 11, Grand Wailea, Maui, Hawai'i, USA

Call for Papers

Over the past several years, software systems have increased in complexity, size, and criticality. Conceptual models, i.e. graphical representations, have proven to be a useful tool for the industry. It has widely been shown that using graphical representations aids in communication, simplifies prioritization of artifacts, enables code-generation, fosters quality assurance, and assist knowledge discovery. Hence, conceptual models are widely used, for instance, as source for discussions with stakeholders in requirements engineering or architecture design. Furthermore models become tightly integrated into the development process, like in model-driven development or in model-based engineering.

Therefore, computer science curricula, industry consultants, and educators at large have begun focusing on the application of conceptual models during software development. However, there remain open and recurring questions regarding what differentiates a "good" conceptual model from an inadequate one, how to use conceptual models of different types in conjunction with one another in a meaningful way, or simply how to avoid ambiguity and vagueness.

The Teaching Conceptual Modeling (TeCoMo 2019) Minitrack focusses on how to teach the use of conceptual models to students, as students often struggle with selecting the right level of abstraction, strive for aesthetics and must understand the rules of the used graphical language, while trying to separate "inventing" the system from "describing" the system.

We seek to explore challenges, experiences, approaches, ideas, and new impulses in teaching conceptual modeling. In a highly interactive atmosphere, where the challenges of teaching conceptual modeling can be discussed, positioned, and addressed, we seek thought-provoking and highly constructive discussions among a broad audience and presenters in order to jointly identify promising educational approaches. We seek to try out proposed approaches, foster empirical studies, and facilitate collaboration between industry and academia in teaching conceptual modelling.

Scope and Topics

Contributions focused on, but not limited to the following topics are accepted:

- Teaching approaches for conceptual modeling
- Experience reports, especially challenges, difficulties, pitfalls, and negative experiences with learning success, project/assignment outcome, or the application of teaching approaches
- Assignment/Project ideas, experiences, and instructional support for students
- Methods of instruction, e.g., flipped classroom, problem-based learning
- Case studies and case examples from industry and academia
- Proposals for and/or results of empirical studies on conceptual modeling
- Methods and strategies of feedback and grading of student work
- Conceptual modeling curricula and course structures
- Teaching semantics, content, correctness, adequacy, aesthetics, and consistency of models, levels of abstraction, model integration, and code-generation
- Teaching model quality, metamodeling, and a structured modeling process
- Teaching modeling frameworks, languages, and diagram types

Submission and Publication

We accept original manuscripts with **up to 10 pages** with strict adherence to the **HICSS formatting instructions.** Manuscripts that do not adhere to the HICSS formatting instructions will be rejected without review. HICSS formatting instructions are available at:

http://hicss.hawaii.edu/tracks-and-minitracks/authors/

Please submit your original manuscripts using the HICSS Submission System located at the link above.

All submitted manuscripts will be peer-reviewed by at least four reviewers. Upon acceptance, papers will be published in the HICSS conference proceedings. At least one author of all accepted manuscripts shall attend TeCoMo and present the paper.

Special Call for Negative Results

In its inaugural year, TeCoMo particularly seeks experience reports and empirical results. **We explicitly encourage reports of negative experiences, failed attempts, or poor results in order to provoke discussions, find commonalities, and surmount challenges.**

Important Dates

Paper Submission	June 30th, 2018
Paper Notification	August 17th, 2018
Camera Ready Submission	September 22nd, 2018
Minitrack	**January 8th – 11st 2019**
	(see HICSS-52 program)

Organizers

Marian Daun – *University of Duisburg-Essen, Germany*
Bastian Tenbergen – *Oswego State University, USA*
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