1st International Workshop on the Adequacy of Modeling Methods (AQEMO'2016)

When designing a modeling method various aspects need to be taken into account in order to ensure the method’s adequacy for the envisaged modeling scenarios. Specific requirements of the given application domain and its different target user groups are examples for such aspects, as well as the intended purpose of the modeling method to be designed like communication, analysis, simulation, processing or code generation etc. Likewise, persistency aspects, i.e. how models are to be stored for ensuring the efficient processing of algorithms, and the retrieval of model information have to be considered. Another aspect concerns the choice and design of the graphical notation for ensuring an intuitive understanding. All these aspects have direct implications on the conceptualization of the modeling method: on the modeling language including its syntax, semantics, notation, on the modeling procedures and algorithms, as well as on the choice of the actual implementation environment.

The Workshop on the Adequacy of Modeling Methods aims at establishing a platform for interested researchers and practitioners to exchange ideas and reveal co-operation opportunities. For the first instance of AQEMO we received four submissions which were peer reviewed by three experts each. Out of these three papers were accepted, two of them after intensive revision.

Together, these papers form a good basis to start the discussion on how to design adequate modeling methods: Jannaber et al. (Invigorating Event-driven Process Chains – Towards an integrated meta model for EPC standardization) take up the topic of standardization of modeling languages and discuss how the integration of meta model variants of event-driven process chains can serve as a foundation for a standardized modeling language. Koç and Sandkuhl (Evolution and Evaluation of a Component-based Context Modelling Method) focus on the conceptualization process of modeling methods. In particular they report on the development and evaluation steps during the method conceptualization and the experiences gained from this process. In the third paper, Braun (Towards a Multi-Faceted Framework for Semantics in Enterprise Modeling Languages) discusses the aspects of semantics of enterprise modeling languages and proposes a framework for the multi-faceted analysis of semantics.

AQEMO would not have become reality without the support of a number of people. First, we are very grateful to the authors for their intensive work. Second, we would like to thank the program committee members and additional reviewers for providing timely and thorough assessments. Furthermore, our thanks go to the Modellierung 2016 organizers for hosting this workshop.

Karlsruhe, March 2016

Hans-Georg Fill, Heinrich C. Mayr, Andreas Oberweis, and Bernhard Thalheim