VMBO 2024

17th International Workshop on Value Modelling and Business Ontologies

Jheronimus Academy of Data Science
’s Hertogenbosch, The Netherlands

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Preface

The importance of modeling the essence of enterprises on a level that abstracts from operational details is increasingly recognized. The growing popularity of ML-based models does not take away this importance, as these approaches cannot do without some level of explainability nor without data integration to start with. Two established enterprise modeling approaches are value modeling and business ontology. Business ontology provides abstract descriptions of enterprises in their business context, focusing on what is needed to create and transfer value. Value modeling is a business modeling approach that focuses on the value objects exchanged in business networks. Business ontology and value modeling research is conducted using instruments such as REA (Resources, Events, Agents), the Business Model Canvas, the e3value tool set, VDML and the Enterprise Engineering framework.

VMBO 2024 included 11 presentations, focusing on research-in-progress, 7 of which are included in these proceedings. The workshop was complemented by a masterclass on Data Semantics the AI era, organized in cooperation with the Dutch research school SIKS. The masterclass featured challenging presentations of George Fletcher, Ulrich Frank, Giancarlo Guizzardi, and Bill McCarthy.

We would like to express our gratitude to JADS in Den Bosch for hosting the event and to the Program Committee members and all participants for their efforts in discussing the submitted papers.

May 2024

Hans Weigand
Tiago Prince Sales
Paul Johannesson

VMBO 2024 Organization

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