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Abstract

Data and models are two well established communities that are continuously contributing in new challenges in different research domains including cyber-physical systems [1], cloud computing [2], service oriented applications, social networks [3], big data (with its five Vs characteristics: Volume, Variety, Velocity, Veracity and Value) [4], etc. The success story of data and models communities is mainly based on the availability of foundations relying on formal methods [5], modelling methods [6], storage systems and platforms [7], advanced optimization structures, benchmarking, scalability, etc. These foundations are usually associated with tools and commercial and academic systems.

The selected papers for this special issue address a variety of topics and concerns in models and data fields, including advanced databases, engagement systems, embedded and complex systems, etc.

Keywords:
Modelling, Ontologies, Formal Methods, Engagement Systems, Data

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