

Accepted Manuscript

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PII: S0167-739X(16)30420-4

DOI: <http://dx.doi.org/10.1016/j.future.2016.11.019>

Reference: FUTURE 3224

To appear in: *Future Generation Computer Systems*

Received date: 17 October 2016

Accepted date: 21 November 2016

Please cite this article as: L. Bellatreche, Y.A. Ameer, G.A. Papadopoulos, Models and data engineering, *Future Generation Computer Systems* (2016), <http://dx.doi.org/10.1016/j.future.2016.11.019>

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Models and Data Engineering

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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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