CrossMark

Call for Papers: Issue 1/2018

Enterprise Modeling for Business Agility

Jennifer Horkoff · Manfred A. Jeusfeld · Jolita Ralyté · Dimitris Karagiannis

1 Special Issue

The pace of change in business constantly accelerates, whereas the context for this change is becoming more complex. Today's business environments entail cooperation with different organizations, rapidly changing business activities and processes, and an intensive competitive landscape. Enterprises need therefore the capability to respond quickly and efficiently to these challenges, and even to leverage them to competitive advantage. In this effort, they steadily transform to become dynamic, proactive, connected, adaptive, or globally-integrated organizations. Service orientation and cloud computing are the two enterprise-scale technologies showing high potential and promise in tackling continuous IT challenges.

The EM research discipline aims to solve business/IT alignment in a holistic manner by providing the techniques, languages, tools, and best practices for using models to represent organizational knowledge and information systems from different perspectives. Described complex business and technology conditions upraise the role of Enterprise Modeling (EM) in its responsibility in reaching the alignment. The quality attributes such as agility, sensitivity, responsiveness, adaptability, autonomy, and interoperability are emerging as the norms for advanced enterprise models. Solving them will allow all components of an enterprise to operate together in the cooperative manner for the purpose of maximizing overall benefit to the enterprise.

A particular challenge in enterprise modeling is business agility. The models describing complex enterprises quickly become outdated as reality changes. How can changes in reality be detected and incrementally be integrated into the enterprise models, and vice versa? Enterprise models need to be constantly synchronized with the reality to enable agility rather than hindering it.

The special issue aims to explore the enabling factors in EM to support the business/IT alignment in modern enterprises. It serves as a forum for researchers and practitioners to disseminate high-quality original research as well as case-studies of real-world enterprises in a leading international journal. Topics of interest include but are not limited to business applications in the areas:

- Enterprise modeling theory
- Enterprise modeling practice, case studies, and action research
- Human aspects in enterprise modeling
- Enterprise modeling tool support
- Enterprise architecture
- Enterprise modeling for information systems
- Enterprise modeling for agility and flexibility
- Enterprise model change management and transformation
- Enterprise modeling and requirements

Dr. J. Horkoff
City University London, London, UK
e-mail: horkoff@city.ac.uk

Dr. M. A. Jeusfeld (✉)
School of Informatics (IIT), University of Skövde, Box 408,
54128 Skövde, Sweden
e-mail: manfred.jeusfeld@his.se

Dr. J. Ralyté
University of Geneva, Geneva, Switzerland
e-mail: Jolita.Ralyte@unige.ch

Prof. Dr. D. Karagiannis
University of Vienna, Vienna, Austria
e-mail: dk@dke.univie.ac.at

- Quality and integrity of enterprise models
- Enterprise modeling analysis, integrity checking, and validation
- Scalability of enterprise models
- Regulatory and legal compliance in EM
- Conceptualizations, notations, and ontologies
- Enterprise modeling and business processes
- Capability-driven enterprise modeling
- Use of enterprise models at run-time
- Enterprise modeling for model-driven development
- Economics of enterprise modeling
- Knowledge management and enterprise modeling
- Meta-modeling and multi-level enterprise modeling
- Cloud-based enterprise tools and architectures
- Modeling enterprise security, risk, and privacy
- Resource modeling
- Enterprise 2.0

2 Submission

Authors are asked to submit their papers online under the category "Enterprise Modeling" by 01 March 2017 via the journal's submission system Editorial Manager (http://www.editorialmanager.com/buis/). All papers must follow the typing and formatting instructions for Business and Information Systems Engineering (BISE) available at http://www.bise-journal.org. Submissions are accepted in English only. In particular, manuscripts should not exceed 50,000 characters (discounting 5000 characters for each figure/table).

Submitted papers will undergo a double-blind review process and be refereed by at least three domain experts according to quality, originality, relevance and scientific rigor.

3 Schedule

Paper submission due:	01 March 2017
Notification of authors:	26 April 2017
Revisions due:	28 June 2017
Completion of a second revision (if needed):	20 September 2017
Anticipated publication date:	January 2018