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CALL FOR PAPERS

Call for Papers: Issue 5/2017

Exploring the IT Artifact: Advances in Information Systems Analysis and Design

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1 Special Issue

The design of IT artifacts, such as enterprise software systems, conceptual models, analysis and development tools, languages and methods, has been at the core of our discipline from its very origin. Instead of focusing on the actual use of IT in organizations, this kind of research is aimed at the question how to design IT artifacts which are suited to enable future organizations that are not only more efficient and agile, but that provide an attractive work environment, too. Therefore, it represents an important contribution to mastering the digital transformation. Research on IT artifacts that are suited to shape future enterprises does not only take place in Information Systems, but also in Computer Science, which recommends fostering the cross-disciplinary exchange between these fields. In recent years, more and more conferences account for this demand and provide platforms for researchers from both fields. The Journal Business and Information Systems Engineering is especially devoted to build bridges between Information Systems and Computer Science – a claim that is further emphasized by this special issue. It is aimed at collecting research on the development of advanced IT artifacts to realizing future enterprise software systems that show clear advantages over the artifacts that are available today.

We seek contributions from researchers from Information Systems and Computer Science, but also from Software Engineering that address original aspects of analyzing and developing IT artifacts for organizations. While it is needless to say that every contribution has to be validated against convincing requirements, empirical studies are not mandatory for this purpose. Topics of interest include, but are not limited to:

Enterprise Software Systems

- Future Enterprise Systems, Platforms, and Ecosystems
- Industry 4.0 and Internet of Things
- Adaptive and Evolutionary Enterprise Systems (e.g., Involving Machine Learning).

Tools for the Analysis, Modelling, Design, Simulation, Visualization or Generation of

- Business Models
- Advanced Business Processes
- Business Rules and Policies
- Data Models in the Age of "Non-Standard" Databases
- Compliance, Security and Safety of Enterprise Systems
- Decision Support.

Languages and Methods

- Models at Runtime
- Domain-Specific Languages
- Integrated Modeling and Execution Environments
- Management Dashboards.

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2 Submission

Authors are asked to submit their papers online under the category "IT Artifacts" by 1 July 2016 via Springer'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. 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 November 2016
Notification of authors: 10 January 2017
Revisions due: 28 February 2017
Notification of authors: 18 April 2017
Completion of a second revision (if needed): 23 May 2017
Anticipated publication date: October 2017.