

Preface

This book contains the proceedings of two long-running events held along with the CAiSE conferences relating to the areas of enterprise, business-process, and information systems modeling: the 17th International Conference on Business Process Modeling, Development and Support (BPMDS 2016) and the 21st International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2016). The two working conferences are introduced here.

BPMDS 2016

BPMDS has been held as a series of workshops devoted to business process modeling, development, and support since 1998. During this period, business process analysis and design have been recognized as a central issue in the area of information systems (IS) engineering. The continued interest in these topics on behalf of the IS community is reflected by the success of the last BPMDS events and the recent emergence of new conferences and workshops devoted to the theme. In 2011, BPMDS became a two-day working conference attached to CAiSE (Conference on Advanced Information Systems Engineering). The basic principles of the BPMDS series are:

1. BPMDS serves as a meeting place for researchers and practitioners in the areas of business development and business applications (software) development.
2. The aim of the event is mainly discussions rather than presentations.
3. Each event has a theme that is mandatory for idea papers.
4. Each event's results are usually published in a special issue of an international journal.

The goals, format, and history of BPMDS can be found on the website: <http://www.bpmds.org/>

The intention of BPMDS is to solicit papers related to business process modeling, development, and support (BPMDS) in general, using quality as the main selection criterion. As a working conference, we aim to attract papers describing mature research, but we still give place to industrial reports and visionary idea papers. To encourage new and emerging challenges and research directions in the area of business process modeling, development, and support, we have a unique focus theme every year. Papers submitted as idea papers are required to be of relevance to the focus theme, thus providing a mass of new ideas around a relatively narrow but emerging research area. Full research papers and experience reports do not necessarily need to be directly connected to this theme (they still needed to be explicitly relevant to BPMDS, however).

The focus theme for BPMDS 2016 idea papers was “Business Processes in a Connected World,” in which we differentiate three subthemes: Business processes for connecting people that directly corresponds to the theme of CAiSE 2016, “Information

Systems for Connecting People,” connecting intelligent objects to business processes, and connecting information/data/knowledge to business processes.

For the 17th edition of the BPMDS conference, we invited interested authors to engage, through their idea papers and the discussions during the two days of BPMDS 2016 in Ljubljana, in a deep discussion with all participants about how business processes and support system can enable connection between people, intelligent objects, information and knowledge.

BPMDS 2016 received 48 submissions from 30 countries (Algeria, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, Greece, Iran, Islamic Republic of, Israel, Italy, Latvia, The Netherlands, Norway, Portugal, Russian Federation, Saudi Arabia, Serbia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, UK, Uruguay, Venezuela, and Vietnam). The management of the paper submission and reviews was supported by the EasyChair conference system. Each paper received at least three reviews. Eventually, 19 high-quality papers were selected. The accepted papers cover a wide spectrum of issues related to business process development, modeling, and support. They are organized under the following section headings:

- Process execution support
- Improving usability of process models
- Social and human perspective
- New directions in process modeling
- Consistency, correctness, and compliance
- Process and data mining
- Process variability

We wish to thank all the people who submitted papers to BPMDS 2016 for having shared their work with us, as well as the members of the BPMDS 2016 Program Committee, who made a remarkable effort in reviewing submissions. We also thank the organizers of CAiSE 2016 for their help with the organization of the event, and IFIP WG8.1 for the support.

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