

Lecture Notes in Business Information Processing

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Enterprise, Business-Process and Information Systems Modeling

12th International Conference, BPMDS 2011
and 16th International Conference, EMMSAD 2011
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Proceedings

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Preface

This book contains the proceedings of two long-running events held in connection to the CAiSE conferences relating to the areas of enterprise, business-process and information systems modeling:

- The 12th International Conference on Business Process Modeling, Development and Support (BPMDS 2011)
- The 16th International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2011)

The two working conferences are introduced briefly below.

BPMDS 2011

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 has 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 workshops and the recent emergence of new conferences and workshops devoted to the theme. Facing this trend, in 2011 BPMDS became a working conference.

While changing the status of BPMDS, we preserved the basic principles of the BPMDS series:

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 unique theme.

Previously, each workshop had a relatively narrow theme, different each year, related to the current progress in the area of BPM. Our intention when becoming a working conference was to solicit papers related to business process modeling, development and support (BPMDS) in general, using quality as a main selection criterion, instead of relevance to a narrower theme.

As a working conference, our aim was to attract more papers describing mature research, still giving place to industrial reports and visionary papers. We kept the principle of a defined theme for the event, but used relevance to the theme as a criterion only for visionary papers, describing innovative research ideas which are not yet completely mature. In addition, we suggested to the authors of research papers and experience reports, wherever possible, to make a connection to the theme.

The theme chosen for BPMDS 2011 visionary papers was ‘Making BPM theory work in practice: “There is nothing more practical than a good theory (Kurt Lewin)”.’

BPMDS 2011 received a record number of 61 submissions from 25 countries (Australia, Austria, Belgium, Brazil, Canada, Colombia, Denmark, France, Germany, India, Iran, Israel, Italy, Japan, Latvia, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Uganda, United Arab Emirates, UK, USA). The management of paper submission and reviews was supported by the Easy-Chair conference system. Selecting the papers to be accepted was a worthwhile effort. Each paper received at least three reviews. Eventually, 22 high-quality papers were selected; among them three experience reports and two visionary papers.

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:

- BPMDS in Practice
- Business Process Improvement
- Business Process Flexibility
- Declarative Process Models
- Variety of Modeling Paradigms
- Business Process Modeling and Support Systems Development
- Interoperability and Mobility

We wish to thank all the people who submitted papers to BPMDS 2011 for having shared their work with us, as well as the members of the BPMDS 2011 Program Committee, who made a remarkable effort reviewing the large number of submissions. We also thank the organizers of CAiSE 2011 for their help with the organization of the event, and IFIP WG8.1 for the support.

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

April 2011

Ilia Bider
Selmin Nurcan
Rainer Schmidt
Pnina Soffer

EMMSAD 2011

The field of information systems analysis and design includes numerous information modeling methods and notations (e.g., ER, ORM, UML, DFDs, BPMN) that are typically evolving. Even with some attempts toward standardization (e.g., UML for object-oriented design), new modeling methods are constantly being introduced, many of which differ only marginally from existing approaches. These ongoing changes significantly impact the way information systems are analyzed and designed in practice. This workshop focuses on exploring, evaluating, and enhancing current information modeling methods and methodologies. Though the need for such studies is well recognized, there is a paucity of such research in the literature.

The objective of EMMSAD 2011 was to provide a forum for researchers and practitioners interested in modeling methods in systems analysis and design to meet and exchange research ideas and results. It also gave the participants an opportunity to present their research papers and experience reports, and to take part in open discussions.

EMMSAD 2011 was the 16th in a very successful series of EMMSAD events, previously held in Heraklion, Barcelona, Pisa, Heidelberg, Stockholm, Interlaken, Toronto, Velden, Riga, Porto, Luxembourg, Trondheim, Montpellier, Amsterdam and Hammamet. This year we had 31 submissions by authors from 16 different countries (Australia, Austria, Belgium, Brazil, France, Germany, Israel, Italy, Luxembourg, Malaysia, The Netherlands, Norway, Spain, Sweden, the UK, and the USA). The management of paper submission and reviews was facilitated by use of the EasyChair conference system. After an extensive review process by a distinguished international Program Committee, with each paper receiving at least three reviews, we accepted the 16 papers that appear in these proceedings. Congratulations to the successful authors!

Apart from the contribution by paper authors, the quality of this conference depended in no small way on the generous contribution of time and effort by the Program Committee and the additional reviewers. Their work is greatly appreciated. Continuing with our very successful collaboration with IFIP WG 8.1 that started in 1997, this year's conference was again a joint activity of CAiSE and WG 8.1. We are also grateful for the sponsorship of the European INTEROP Network of Excellence, AIS-SIGSAND, the Enterprise Engineering Network, and the ORM Foundation. For more information on past and future EMMSAD conferences, please see our website <http://www.emmsad.org>

April 2011

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