

Lecture Notes in Business Information Processing

128

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Oleg Kozyrev (Eds.)

Perspectives in Business Informatics Research

11th International Conference, BIR 2012
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Proceedings

Volume Editors

Natalia Aseeva
Eduard Babkin
Oleg Kozyrev
National Research University
Higher School of Economics
Nizhny Novgorod, Russia
E-mails:
naseeva@hse.ru
eababkin@hse.ru
okozyrev@hse.ru

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Preface

This book consists of selected papers presented in the framework of the 11th International Conference on Perspectives in Business Informatics Research (BIR 2012), held in Nizhny Novgorod, Russia, September 24–26, 2012. The BIR conference series was established 11 years ago as the initiative of some German and Swedish universities with the aim of supporting the global forum for researchers in business informatics for their collaboration and exchange of results.

This initiative seems to be very successful. Today, the BIR conference is a well-known forum and the level of its proceedings is very high quality. In 2012 we received a great number of proposals to be included in the conference agenda and we selected 15 to be published in LNBIP.

The topics covered the most significant zones for business informatics research:

1. Business, people, and system interoperability:
 - Philosophical and social perspectives of interoperability
 - Ontological foundations of business informatics
 - Systems theory and principles
 - Conceptual modeling
 - Human-oriented systems
 - Emerging technologies and paradigms
 - Methods, architectures, and communication technologies supporting interoperability
 - Enterprise modeling and virtual organizations
 - ERP, CRM, and SCM systems
 - e-commerce, e-business, e-government
2. Business and information system development:
 - Business process modeling
 - Model-driven architecture (MDA)
 - Service-oriented architecture (SOA)
 - Requirements engineering
 - The synergy of agile and model-driven (MDA) development
 - IS modeling, testing, and verification
 - Object-oriented techniques and methodologies
 - Unified modeling language (UML)
 - Workflow management
 - Quality of business software
 - Business rules
3. Business intelligence:
 - Business excellence and business intelligence solutions
 - Data warehousing
 - Reporting

- Decision support systems
 - Healthcare/medical informatics
 - Competing on analytics
4. Knowledge management and Semantic Web:
 - Knowledge management in an interconnected world
 - Semantic Web methods
 - Ontology modeling languages and tools
 - Ontology applications in business
 - E-learning and learning organizations
 5. Contextualized evaluation of business informatics:
 - Feasibility of existing standards, techniques, and languages
 - Contextualized value and quality
 - User acceptance of new technology
 - Teaching business informatics
 - Curriculum design and implementation issues
 - Case studies and experience reports
 - Project management issues

It is very promising that BIR now attracts researchers from the fields of both economics and management. It is evidence that we are doing well.

We hope that the discussions at BIR 2012 stimulated new ideas for the success of business informatics and for new cooperations.

July 2012

Natalia Aseeva
Eduard Babkin
Oleg Kozyrev

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