

Proceedings of the 2nd International Business and Systems Conference BSC 2013

November 5, 2013, Riga, Latvia

Riga Technical University
2013

BSC 2013

2nd International Business and Systems Conference

November 5, 2013

Riga, Latvia

Publisher: Riga Technical University

Editors: Marite Kirikova and Janis Grabis

Managing Editor: Ludmila Penicina

Technical Editor: Jekaterina Ribajeva

Sub-Editors - Gundega Lazdane and Ksenija Lace

First edition: November 2013

© 2013, BSC 2013 | Riga Technical University

Full texts of all included papers were reviewed by BSC 2013 Program Committee. The responsibility for the content of the papers rests upon the authors and not the publisher. All rights reserved. No part of this publication may be reproduced, stored in retrieval system, or transmitted, in any form or by any means, electronic, mechanical or otherwise without prior written permission of the publisher.

ISBN - online 978-9934-10-469-5

BSC 2013 Organization

Organizers

Andris Bariss, IIBA Latvia Chapter, Idea Port Riga, Latvia Jānis Grabis, Riga Technical University, Latvia Marite Kirikova, Riga Technical University, Latvia Ksenija Lace, IIBA Latvia Chapter, RIX Technologies, Latvia Gundega Lazdane, IIBA Latvia Chapter, FMS, Latvia Ludmila Penicina, Riga Technical University, Latvia Valerija Savina, IIBA Latvia Chapter, FMS, Latvia Lilita Sparane, Latvian IT Cluster, Latvia

Program Committee

Raian Ali, Bournemouth University, UK

Andris Bariss, Idea Port Riga, Latvia

Clara Bassano, "Parthenope" University of Naples, Italy

Peter Bellström, Karlstad University, Sweden

Anna Brikmane, Com Tec Co Group, Int., Latvia

Monica Dragoicea, University Politehnica of Bucharest, Romania

Peter Gerstbach, IIBA, Austria

Janis Grabis, Riga Technical University, Latvia (Chair, research)

Irena Jansone, Com Tec Co Group, Int., Latvia

Marite Kirikova, Riga Technical University, Latvia (Chair, research)

Ksenija Lace, RIX Technologies, Latvia (Chair, industry)

Birger Lantow, University of Rostock, Germany

Algirdas Laukaitis, Vilnius Gediminas Technical University, Lithuania

Gundega Lazdane, FMS, Latvia (Chair, industry)

Henrik Leopold, Humboldt University of Berlin, Germany

Audrone Lupeikiene, Vilnius University, Lithuania

Ricardo-J. Machado, Universidade do Minho, Portugal

Saulius Maskeliunas, Vilnius University, Lithuania

Raimundas Matulevicius, University of Tarty, Estonia

Mara Nikolaidou, Harokopio University of Athens, Greece

Markus Noebauer, InsideAx GmbH, Austria

Malgorzata Pankowska, University of Economics, Katowice, Poland

Przemyslaw Polak, Warsaw School of Economics, Poland

Vaclav Repa, University of Economics, Prague, Czech Republic Mijaice Santa, SsCyril and Methodius University, Skopje, Macedonia Valerija Savina, FMS, Latvia Khurram Shahzad, University of the Punjab, Pakistan Darius Silingas, No Magic Europe, Lithuania Renate Strazdina, Ernst & Young Baltic, Latvia Jaak Tepandi, Tallin University of Technology, Estonia Robert Woitsch, BOC Asset Management, Austria

Preface

2nd International Business and System Conference (BSC 2013) was held in November 2013 in Riga, Latvia in conjunction with the 6th IFIP WG 8.1 working conference on the Practice of Enterprise Modeling (PoEM 2013). BSC 2013 is a continuation of the international conference organized in 2010 under the title "Hand in Hand with Business Analysis".

The conference addressed Business Analysis from the Systems Thinking perspective. Business analysts appear in different roles working in both business and technology areas. They are known as business analysts, system analysts, consultants as well as project managers. Business analysis helps to understand real business needs and develops successful solutions. All these roles are involved in business analysis processes of different types of systems. Therefore this conference was dedicated for making ground for experience exchange among researchers and practitioners involved in various roles concerning business analysis. It aimed at assembling local and world experience on systems approaches for business support and improvement.

The conference included 18 presentations, as well as two keynotes, enterprise modeling tool vendor presentations, and panel discussion on effective use of enterprise modeling tools in agile projects. Additionally participants attended enterprise modeling tool exhibition and two sessions of PoEM 2013, namely, the practice master class: "Enterprise Architecture Capabilities – What is it and how to assess?", and the keynote "A New Contract between Business and Business Analysts" given by Baiba Apine. Keynote speakers of the BSC 2013 conference were the business analysis professionals and enthusiasts from the United Kingdom: Adrian Reed and Paul Turner. Eight abovementioned presentations were of the selected peer reviewed scientific/practitioner papers which were included in these BSC 2013 Proceedings. The authors of the papers represent five countries: Germany, Ireland, Latvia, Lithuania, and Poland. The papers concern issues of business and systems analysis in service systems, business process modeling, information systems development and practice-oriented research.

The organization of BSC2013 owes special thanks to the members of the International Program Committee for providing valuable reviews for the submitted papers. Furthermore, we are grateful to all authors who submitted papers and speech proposals to the conference. We acknowledge tool vendors and organizers of the PoEM 2013 for possibility to participate in engaging events and sessions. Special thanks go to IIBA Latvia Chapter and Riga Technical University for organization of the BSC 2013 conference.

November 2013

Marite Kirikova Gundega Lazdane Janis Grabis Ksenija Lace