

Short Paper Proceedings of

NGEBIS'13

WORKSHOP ON NEW GENERATION ENTERPRISE AND
BUSINESS INNOVATION SYSTEMS

18 June 2013, Valencia, Spain

Gash Bhullar,

Neil Maiden

Michele Missikoff,

Fabrizio Smith (eds.)

In conjunction with CAISE 2013



Preface

Innovation is one of the major drivers to enable European enterprises to compete in global markets, especially in a tough economic juncture. Yet innovation is an elusive term that is often used in an indefinite way. If we consider widely accepted definitions, we can see that they capture only part of the essence of innovation. An innovation process is different from a “usual” business process we find in an enterprise that is (supposedly) well defined in its activities, committed resources, etc. Innovation is a creative activity confronted with “wicked problems”, i.e., problems difficult to solve because of incomplete, contradictory, and changing requirements.

The New Generation Enterprise and Business Innovation Systems (NGEBIS) workshop intends to address the area of Information Systems dedicated to business innovation that has been traditionally considered too fuzzy and ill-defined to be systematically tackled by using existing information systems and information engineering methods. We expect that the ideas discussed in the workshop will contribute to the development of methods to be used in the implementation of a new generation of information systems dedicated to business innovation, with particular attention to networked enterprises.

The 2013 edition of the NGEBS workshop has been held on June 18 2013 in Valencia, co-located with the 25th International Conference on Advanced Information Systems Engineering (CAiSE). The NGEBS'13 was articulated into: (1) presentation sessions devoted to full research papers; (2) a discussion-oriented session, with presentations of new tools and systems, posters, and emerging ideas; (3) WOW - Window on Online Workshop Forum, for online discussion on a selected Social Network (LinkedIn), that started 2 months before the workshop to identify the 3 hottest issue to be selected for the Knowledge Café held on site; (4) Knowledge Café, animated by a panel that discussed the 3 most relevant topics emerged during a the WOW Forum. In particular, this volume collects the Short Papers presented at the workshop during the discussion-oriented session.

We would like to thank all authors for their contributions and the members of the Program Committee for their excellent work during the reviewing phase. We would also like to thank the organizers of CAiSE'13 conference for hosting the workshop and the BIVEE European Project that is the initiator of this venture that we expect to continue in the future.

June 2013,

Michele Missikoff
Gash Bhullar
Neil Maiden
Fabrizio Smith

NGEBIS 2013 Organization

Workshop Chair

Michele Missikoff

Università Politecnica delle Marche, Italy

Program Chairs

Gash Bhullar

Technology Application Network Limited, United Kingdom

Neil Maiden

City University of London, United Kingdom

Organizing Chair

Fabrizio Smith

National Research Council - IASI "Antonio Ruberti", Italy

Program Committee

Arne Berre (SINTEF, NO)

Gash Bhullar (TANet, UK)

David Chen (UB1, FR)

Martine Collard (Univ. Ag, FR)

Claudia Diamantini (University Pol. Marche, IT)

Asuman Dogac (SDRC, TR)

Markus Eisenhauer (Fraunhofer, DE)

Serio Gusmeroli (TXT, IT)

Nenad Ivezic (NIST, USA)

Paul Johanesson (KTH, SE)

Bernhard Katzy (LIACS, NL)

Larry Kerschberg (GMU, USA)

Peter Lindgren (Uni Aalborg, DK)

Leszek Maciaszek (WUE, PL)

Neil Maiden (City Uni London, UK)

Boris Otto (U. Skt. Gallen, CH)

Simon Schlosser (U. Skt. Gallen, CH)

Marcus Seifert (BIBA, DE)

Konstantinos Zachos (City Univ London, UK)

Martin Zelm (CIMOSA, DE)

Table of Contents

Analysis of the Information Resources for the Furniture Industry in BIVE	1
<i>Fernando Gigante Valencia, Pau Crespí, Ali Anil Sinaci and R. Volkan Basar</i>	
A Short Paper on Innovation Capability Maturity within Collaborations	7
<i>Benjamin Knoke</i>	
Innovation through Cross-fertilization	12
<i>Pierluigi Assogna</i>	
BIVEE Virtual Innovation Factory	18
<i>Francisco Calle Moreno and Carmen Perea Escribano</i>	
Open Business Model Innovation with the NEFFICS platform and VDML	24
<i>Arne. J. Berre, Henk de Man and Peter Lindgren</i>	
A Linked Data Based Approach to Similarity Reasoning	31
<i>Anna Formica, Michele Missikoff, Elaheh Pourabbas and Francesco Taglino</i>	
Semantic UBL-like documents for innovation	39
<i>R. Volkan Basar, Ali Anil Sinaci, Fabrizio Smith and Francesco Taglino</i>	