

# Lecture Notes in Business Information Processing

131

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# Trends in Enterprise Architecture Research and Practice-Driven Research on Enterprise Transformation

7th Workshop, TEAR 2012  
and 5th Working Conference, PRET 2012  
Held at The Open Group Conference 2012  
Barcelona, Spain, October 23-24, 2012  
Proceedings

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ISSN 1865-1348	e-ISSN 1865-1356
ISBN 978-3-642-34162-5	e-ISBN 978-3-642-34163-2
DOI 10.1007/978-3-642-34163-2	
Springer Heidelberg Dordrecht London New York	

Library of Congress Control Number: 2012948779

ACM Computing Classification (1998): J.1, H.3.5, H.4, K.6.3

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*Typesetting:* Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper

Springer is part of Springer Science+Business Media ([www.springer.com](http://www.springer.com))

# Preface

The 7th Trends in Enterprise Architecture Research (TEAR 2012) Workshop and the 5th Practice-Driven Research on Enterprise Transformation (PRET-5) Working Conference were co-located with The Open Group's Conference on Enterprise Architecture, Cloud Computing, Security, taking place in Spain, Barcelona, October 22–26, 2012.

TEAR 2012 and PRET-5 were organized as an integrated event as a parallel track to The Open Group Conference, where the TEAR and PRET tracks were tightly integrated. This is also why it was decided to produce an integrated proceedings volume.

## The Events

The TEAR workshop series brings together enterprise architecture (EA) researchers from different research communities and provides a forum to present EA research results and to discuss future EA research directions.

The field of EA has gained considerable attention over the last years. For defining the term architecture, most agree on the ISO/IEC 42010:2007 Standard, where architecture is defined as the “*fundamental organization of a system, embodied in its components, their relationships to each other and the environment, and the principles governing its design and evolution.*” For EA the focus is on the overall enterprise in contrast to partial architectures such as IT architecture or software architecture. EA explicitly incorporates business-related artefacts in addition to traditional IS/IT artefacts. By providing an enterprise-wide perspective, EA is a means for organizations to coordinate their adaptations to increasingly fast-changing market conditions which influence the entire chain of activities of an enterprise, from business processes to IT support.

TEAR 2012 was the seventh in an increasingly successful series of workshops, previously held in Hong Kong, Switzerland, Australia, Sweden, The Netherlands, and Finland.

The *PRET working conference* series brings together researchers and practitioners interested in enterprise transformation. More specifically, the PRET events aim to build a bridge between theory and practice, between researchers and practitioners.

Modern day enterprises are in a constant state of flux. New technologies, new markets, globalization, mergers, acquisitions, etcetera are among the ‘usual suspects’ that require enterprises to transform themselves to deal with these challenges and new realities. Most information systems practitioners will find themselves working in a context of enterprise transformation. One could even go as far as to claim that a business-oriented perspective on information systems is really about enterprise transformation, where enterprise transformation involves the use of methods and techniques from enterprise engineering, enterprise modelling, enterprise architecture, and information systems engineering. As a field of study, enterprise transformation requires a close interaction between practice

and academia. What works and does not work requires validation in real-life situations. Conversely, it is in industrial practice where challenges can be found that may fuel and inspire researchers.

PRET-5 was the fifth in an increasingly successful series of working conferences, previously held in The Netherlands (twice), Luxembourg, and Poland.

### **The Open Group Conference**

The Open Group Conference provides a venue to practitioners and academics to gain valuable knowledge and to participate in The Open Group's Forums and Work Groups that are developing the next generation of open, vendor-neutral standards and certifications. Those who attend The Open Group Conferences benefit from the opportunity to leverage the expertise of other experts, learn from others' experiences, and delve into content most relevant to their jobs and organizations.

Conferences also present an opportunity for attendees to access a wide range of experts, practitioners, and specialists in a non-sales environment, and build professional relationships. The Open Group hosts four quarterly conferences as well as regional conferences hosted by our local partners around the globe.

### **Why Join Forces?**

The TEAR and PRET workshops already joined forces before, during the Enterprise Engineering Week in 2010, in Delft, The Netherlands. At that time, the visitors of the two workshops, as well as the organizers, saw a clear benefit for future collaboration between the two events. Even though both events have a distinct identity, their topics and audience show an overlap that makes them natural partners.

Joining forces with The Open Group Conference also provides a unique opportunity to build a bridge between practitioners, standardization efforts, and academic research, in the areas of enterprise transformation and enterprise architecture.

### **The Program**

We received a total of 24 high-quality papers. After an extensive review process by a distinguished international Program Committee, with most papers receiving three reviews, we accepted the 18 papers that appear in these proceedings. Of these 18 papers, 5 papers were PRET papers and 13 were TEAR papers.

No further distinction was made between these types of paper, leading to an integrated program of PRET and TEAR, involving six sessions covering: EAM Effectivity, Languages for EA, EAM and the Ability to Change, Advanced Topics in EA, Governing Enterprise Transformations, and EA Applications.

August 2012

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# Table of Contents

## **TEAR: Languages for Enterprise Architecture**

A Framework for Creating Pattern Languages for Enterprise Architecture . . . . .	1
<i>Paula Kotzé, Motse Tsogang, and Alta van der Merwe</i>	
Challenges for Automated Enterprise Architecture Documentation . . . . .	21
<i>Matheus Hauder, Florian Matthes, and Sascha Roth</i>	
Building Strategic Enterprise Context Models with i*: A Pattern-Based Approach . . . . .	40
<i>Juan Pablo Carvallo and Xavier Franch</i>	

## **TEAR/PRET: EA in the Financial Sector**

Method Support of Large-Scale Transformation in the Insurance Sector: Exploring Foundations . . . . .	60
<i>Nils Labusch and Robert Winter</i>	
On the Categorization and Measurability of Enterprise Architecture Benefits with the Enterprise Architecture Value Framework . . . . .	79
<i>Henk Plessius, Raymond Slot, and Leo Pruijt</i>	
The Application of Enterprise Reference Architecture in the Financial Industry . . . . .	93
<i>Wijke ten Harmsen van der Beek, Jos Trienekens, and Paul Grefen</i>	

## **TEAR: Enterprise Architecture Management and the Ability to Change**

Two Speeds of EAM—A Dynamic Capabilities Perspective . . . . .	111
<i>Ralf Abraham, Stephan Aier, and Robert Winter</i>	
On Enterprise Architecture Change Events . . . . .	129
<i>Matthias Farwick, Christian M. Schweda, Ruth Breu, Karsten Voges, and Inge Hanschke</i>	
Enterprise Architecture for the Adaptive Enterprise – A Vision Paper . . . . .	146
<i>Eric Yu, Stephanie Deng, and Divyajyoti Sasmal</i>	

## TEAR: Advanced Topics in Enterprise Architecture

Assessing Modifiability in Application Services Using Enterprise Architecture Models – A Case Study .....	162
<i>Magnus Österlind, Robert Lagerström, and Peter Rosell</i>	
New Avenues for Theoretical Contributions in Enterprise Architecture Principles - A Literature Review .....	182
<i>Mohammad Kazem Haki and Christine Legner</i>	
A Metamodel for Web Application Injection Attacks and Countermeasures.....	198
<i>Hannes Holm and Mathias Ekstedt</i>	

## PRET: Governing Enterprise Transformation

The Extended Enterprise Coherence-Governance Assessment .....	218
<i>Roel Wagter, Henderik A. Proper, and Dirk Witte</i>	
Designing Enterprise Architecture Management Functions – The Interplay of Organizational Contexts and Methods .....	236
<i>Sabine Buckl, Florian Matthes, and Christian M. Schweda</i>	
Management of Large-Scale Transformation Programs: State of the Practice and Future Potential .....	253
<i>Gerrit Lahrmann, Nils Labusch, Robert Winter, and Axel Uhl</i>	

## TEAR: EA Management Effectivity

Development of Measurement Items for the Institutionalization of Enterprise Architecture Management in Organizations.....	268
<i>Simon Weiss and Robert Winter</i>	
Towards a Unified and Configurable Structure for EA Management KPIs .....	284
<i>Florian Matthes, Ivan Monahov, Alexander W. Schneider, and Christopher Schulz</i>	
The Enterprise Architecture Realization Scorecard: A Result Oriented Assessment Instrument .....	300
<i>Leo Pruijt, Raymond Slot, Henk Plessius, Rik Bos, and Sjaak Brinkkemper</i>	
<b>Author Index</b> .....	319