

Message from the TEAR 2014 Workshop Chairs

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Abstract. This paper gives a brief overview of the 9th Workshop on Trends in Enterprise Architecture Research (TEAR) held at EDOC 2014. The paper introduces the Workshop research topics and presents the accepted papers.

Keywords – Enterprise Architecture, Enterprise Architecture Management

I. ABOUT THE TEAR WORKSHOP SERIES

Enterprise Architecture (EA) is increasingly important as organizations need to adapt quickly to fast changing customer requirements and business goals. This need influences the entire chain of activities of an enterprise, from business processes to IT support. A change in a particular aspect of an enterprise architecture may influence several other aspects of the architecture. For example, when a new product is introduced, business processes for production, sales and after-sales need to be adapted. It might be necessary to change applications, or even adapt the supporting IT infrastructure. To keep the enterprise architecture coherent and aligned with the business goals, the relations between the various elements of an architecture must be made explicit, and changes should be handled systematically throughout the whole enterprise architecture lifecycle. The discipline of enterprise architecture and enterprise architecture management provides guidance regarding the activities, processes and governance mechanisms required for a *managed evolution* of the enterprise architecture.

In contrast to traditional architecture management approaches such as IT architecture, software architecture or IS architecture, EA explicitly incorporates “pure” business-related artifacts in addition to traditional IS/IT artifacts. For Enterprise Architecture the focus is on the overall enterprise and concerns its organization, its components, the relationship between components and principles governing its design and evolution.

The main objective of the Trends in Enterprise Architecture Research (TEAR) workshop series is to bring EA researchers together and identify future directions for EA research. Important questions concern research methodology and the interaction between research and EA practice. In its 9th edition, TEAR now has a history of successful workshops previously held in The Netherlands, Hong Kong, Switzerland, Australia, Sweden, Finland, Spain and Canada.

II. TEAR 2014 FACTS

The 9th Workshop on Trends in Enterprise Architecture Research (TEAR) is held in conjunction with the 18th IEEE International EDOC Conference in Ulm, Germany between 1-5 September 2014. We have received 17 paper submissions (with authors from Australia, Austria, Canada, Colombia, Denmark, France, Germany, Portugal, Sweden, and United States). Out of these eleven papers were accepted. Each paper has received three to five reviews by the distinguished international Program Committee. We would like to thank all authors for their valuable contributions.

III. WORKSHOP PROGRAM

The workshop program is organized into plenary discussions and 4 technical sessions according to the following:

Session 1: EA Perspectives

- The Architect in Enterprise Architecture. *Jacobus Du Preez, Alta van der Merwe and Machdel Mathee.*
- From Enterprise Architecture to Business Ecosystem Architecture. *Paul Drews and Ingrid Schirmer.*

Session 2: EA Management and Decisions

- Examining Adaptive Case Handling for Enterprise Architecture Management. *Matheus Hauder, Dominik Münch, Felix Michel, Alexej Utz and Florian Matthes.*
- Interactive functions of a Cockpit for Enterprise Architecture Planning. *Dierk Jugel and Christian Schweda.*
- A computational approach for design rationalization in Enterprise Architecture. *Georgios Plataniotis, Sybren De Kinderen and Henderik Proper.*

Session 3: EA Modelling Scope

- Integrating Business Models and Enterprise Architecture. *Jurate Petrikina, Paul Drews, Karsten Zimmermann and Ingrid Schirmer.*
- Incorporating Directives into Enterprise TO-BE Architecture. *Sagar Sunkle, Deepali Kholkar, Hemant Rathod and Vinay Kulkarni.*
- On the Heterogeneity of Enterprise Models: ArchiMate and Troux Semantics. *Birger Lantow.*

Session 4 EA: Model Analysis

- Toward Structured Simulation of Enterprise Models. *Suman Roychoudhury, Sagar Sunkle, Hemant Rathod and Vinay Kulkarni.*
- Towards a Unified and Modular Approach for Visual Analysis of Enterprise Models. *David Naranjo, Mario Sanchez and Jorge Villalobos.*
- Type-Safety in EA Model Analysis. *Thomas Reschenhofer, Ivan Monahov and Florian Matthes.*

IV. WORKSHOP ORGANIZATION AND ACKNOWLEDGEMENTS

The international program committee consisted of the following members:

Agnes Nakakawa, Makerere University Kampala
Alexandre Moïse, Alithya
Alta Vandermerwe, University of Pretoria
Andreas L. Opdahl, University of Bergen
Antonia Albani, University of St. Gallen
Aurona Gerber, CAIR, Meraka Institute, CSIR
Christian Schweda, Technische Universität München
Christine Legner, University of Lausanne
Colette Rolland, University of Paris 1 Pantheon-Sorbonne
Dirk Stelzer, TU Ilmenau
Elena Kornyshova, CNAM
Erik Proper, Public Research Centre – Henri Tudor
François Coallier, École de technologie supérieure
Gerhard Schwabe, Universität Zürich
Giuseppe Berio, Université de Bretagne Sud
Hans-Georg Fill, University of Vienna
Hervé Panetto, CRAN, University of Lorraine, CNRS
Jan Mendling, Wirtschaftsuniversität Wien
Janis Stirna, Stockholm University
Jānis Grabis, Riga Technical University
Joao Almeida, Federal University of Espirito Santo
John Götze, IT University of Copenhagen
John Krogstie, Norwegian University of Science and Technology
Jose Tribolet, Instituto Superior Tecnico de Lisboa, CEO/INOV/INESC
Josephine Nabukenya, Makerere University Kampala
Jürgen Jung, DHL Global Management GmbH

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Mark Lankhorst, BiZZdesign
Martin Zelm, INTEROP-Vlab
Mathias Ekstedt, KTH Royal Institute of Technology
Matti Rossi, Aalto University School of Economics
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Stephan Aier, University of St. Gallen
Sybren de Kinderen, EE-Team
Ulrike Steffens, HAW Hamburg
Wilhelm Hasselbring, Kiel University

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