

Track 4: Development/Architecture of IS

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Editorial

In most of today's business processes, information systems (IS) play a crucial role. Thereby, information systems have emerged from isolated, company-internal solutions to distributed and open systems. At the same time the business significance of information systems has constantly increased. The responsibility in regard to mission critical decisions such as the availability or performance of information systems has moved from the level of IT departments to the executive level. Furthermore, information systems are no longer regarded as support technologies, but as mission critical assets. This requires a higher flexibility of the different IT systems in order to be able to realize business process related decisions faster and demands as well for higher transparency and traceability, required for IT Governance and Controlling. In particular the combination of methods and systems is crucial in order to deliver high-quality, reliable, and effective information systems.

This track focuses on five topics, namely Software Development Processes (4 papers), IT Support for Business Services (3 papers), Business Process Management (4 papers), IS Architectures (7 papers), and Reusability and Integration (2 paper).

The overall quality of the track's submissions (67 papers) has been very high. Based on at least three reviews per paper, one meta-review and a detailed discussion among the conference chairs, the track chairs and the associate editors, the program committee selected finally the 20 best papers, giving an acceptance rate of less than 30%.

Many thanks to the 19 associate editors and the 88 reviewers for the excellent work.

Software Development Processes

Understanding Acceptance of Information System Development and Management Methodologies by Actual Users: A Review and Assessment of Existing Literature (Kunal Mohan, Frederik Ahlemann)

How Agile Are You Thinking? – An Exploratory Case Study (Roy Wendler, Andre Gräning)

Analysis of Two Theoretical Perspectives on Information Systems Development: Towards an Integrated Perspective (Frank Zickert)

A Longitudinal, Multi-Project Study of Bug Tracking Productivity and Learning in Open Source Software Development (Janina Matz, Arne Beckhaus, Dierk Erdmann, Peter Buxmann)

IT Support for Business Services

A Cost-Benefit-Based Analytical Model for Finding the Optimal Offering of Software Services (Jörn Altmann, Khin Swe Latt)

Towards an Ontological Foundation of Services Science: The General Service Model (Roberta Ferrario, Nicola Guarino, Christian Janiesch, Tom Kiemes, Daniel Oberle, Florian Probst)

The BabelNEG System - A prototype Infrastructure for protocol-generic SLA Negotiations (Sebastian Hudert, Torsten Eymann)

Business Process Management

Requirements of Process Modeling Languages – Results from an Empirical Investigation (Susanne Patig, Vanessa Casanova-Brito)

Usability of Modelling Languages for Model Interpretation: An Empirical Research Report (Christian Schalles, Michael Rebstock, John Creagh)

On Measures of Behavioral Distance between Business Processes (Jörg Becker, Philipp Bergener, Dominic Breuker, Michael Räckers)

Sind Ereignisgesteuerte Prozessketten besser für Fachanwender geeignet als UML Aktivitätsdiagramme? Eine empirische Untersuchung (Sven Overhage, Sebastian Schlauderer, Dominik Birkmeier)

IS Architectures

Integrating Innovation into Enterprise Architecture Management (Michael Rohloff)

Goal-oriented requirements modeling as a means to address stakeholder-related issues in EA (Carsten Lucke, Ulrike Lechner)

Towards the Analysis of Flexibility of Information Systems: A Proposition of a Method (Daniel Wagner, Christian Suchan, Benjamin Leunig, Jochen Frank)

Construction and Evaluation of a Meta-Model for Enterprise Architecture Design Principles (Stephan Aier, Christian Fischer, Robert Winter)

Understanding Enterprise Architecture Management Design – An Empirical Analysis (Bettina Gleichauf, Stephan Aier, Robert Winter)

Prioritizing Strategic IT Projects with Tropos (Andreas Gehlert)

Reinventing the Wheel?! Why Harmonization and Reuse Fail in Complex Data Warehouse Environments and a Proposed Solution to the Problem (Torsten Priebe, Andreas Reisser, Duong Hoang)

Reusability and Integration

Similarity Determination in Activity Sequences - A Supportive Framework (Jörg Schmidl, Holger Wittges, Helmut Krcmar)

A portal-based approach for user-centric legacy application integration in collaborative environments (Oliver Gmelch, Günther Pernul)