Introduction to Minitrack on Business and Enterprise Architecture: Processes, Approaches and Challenges

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Enterprise Architecting (EA) is the process of developing enterprise Information Technology architecture. An EA focuses on a holistic and integrated view of the why, where, and who uses IT systems and how and what they are used for within an organization. An enterprise architect develops the strategy and enables the decisions for designing, developing, and deploying IT systems to support the business as well as to assess, select, and integrate the technology into the organization's infrastructure.

Session 1

The first session starts out with the paper*: Enterprise Architecture Practice and Organizational Agility; An Exploratory Study*, which presents research addressing to what degree can medium sized organizations use EA to build organizational agility?

The second paper *EVOLIS Framework: a Method to Study Information Systems Evolution Records*, This research proposes a framework that helps information systems managers to interpret present state of the system, to understand its past and to predict its future.

The third paper, *Green Business Process Management - A Definition and Research Framework* examines the literature concerning the research streams of Green IS and BPM and combines it with the initial research on Green BPM. It presents a definition for Green Business Process Management as well as a multidimensional framework for further research.

Session 2

The first paper in the second session, *Business Process Modelling Language for Performance Evaluation*, addresses the problem of having insufficient support to evaluate the processes at the process managerial level and focuses on the relation of evaluation of business processes with its representation at the process level.

The next paper, *Optimizing the Performance of Automated Business Processes Executed on Virtualized Infrastructure,* presents a model and method of cloud-aware business process optimization which provides computational resources based on process knowledge.

The third paper, *Team Knowledge in Enterprise Architecting,* describes a design process toward a functional reference model for business rules management.

Session 3

The third session starts out with the paper*: Toward a Decision Model for Master Data Application Architecture.* The paper presents a decision model for supporting enterprises in the decision-making process regarding the choice of the right master data application architecture.

The second paper, *Visualizing and Measuring Enterprise Application Architecture: An Exploratory Telecom Case*. The focus of this paper is to test if it can uncover new facts about the applications and their relationships in an enterprise architecture, i.e., if the method can reveal the hidden external structure between software applications.

The third paper, *Dynamics of Cloud-based Software as a Service in Small Communities of Complex Organizations,* extends cloud based software- as-a-service models to the situation of small communities of complex organizations, and considers the effects on locus of power within each organization, vendor-decision making, and the evolution of user groups.

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