W19 – WEISE ‘07

1st International Workshop on Enterprise Information Systems Engineering
Enterprise Information Systems Engineering develops the methodologies and technologies to represent, design, implement, analyze and maintain the several facets of enterprise information systems. The intricate relationships between business strategy, organizational structure, business processes and information systems require enterprises to resort to powerful modeling tools in order to represent and trace those dependencies in an accurate blueprint. They also require methods and techniques to turn blueprint into practice by means of predictable, controlled implementation patterns that promote and preserve organization self-awareness throughout. As it encompasses multi-disciplinary topics such as business process modeling, enterprise information modeling, enterprise ontologies, enterprise architectures and service-oriented architectures, Enterprise Information Systems Engineering aims at consolidating these technologies into a holistic framework for developing and operating information systems within and across organizations.

The international workshop on Enterprise Information Systems Engineering (WEISE) provides an opportunity for researchers and practitioners alike to openly discuss current practices, identify critical issues, and lay the foundation for continuing developments in this area.

The first edition of the WEISE workshop is held in conjunction with DEXA 2007 in Regensburg, Germany from September 3 to 7, 2007. The workshop will present six full papers. Birgit Korherr and Beate List from the Vienna University of Technology, Austria, propose a UML 2 Profile for modeling variability aspects in different life cycle stages of software product lines. Abdul Babar, Karl Cox, Steven Bleistein and June Verner from NICTA, University of New South Wales, Australia, describe how to extend MAP, a goal-oriented modeling technique, with domain context information. Marielba Zacarias, Artur Caetano, Rodrigo Magalhães, Helena Sofia Pinto and José Tribolet from IST, Technical University of Lisbon, Portugal, show how to integrate an actor-based modeling perspective in enterprise architectures. Christian Liesegang, Henrik Plate and Cédric Hebert from SAP AG, France, propose a run-time infrastructure for decentralized and collaborative e-government workflow management. Sandeep Purao and Sharoda Paul from Penn State University, USA and Steven Smith from AccuWeather, Inc., USA, report a number of findings on the risks of enterprise integration projects. Finally, Peter Hrastnik and Werner Winiwarter from the Electronic Commerce Competence Center and the University of Vienna, Austria, describe the fundamentals of a transaction processing system used for the coordination of services in service oriented architectures.

The selected set of contributions is a sample of the wide spectrum of issues in designing and implementing information systems that meet both technological and organizational challenges. The particular focus of each of these contributions, but especially the connections between them, will be hopefully a valuable addition to the body of knowledge of enterprise information systems engineering as an emerging discipline.

We would like to thank DEXA and the WEISE 2007 Program Committee which made possible organizing this workshop.
WEISE ‘07 Organization

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