Message from the 3M4SE 2010 Workshop Co-chairs

Recent developments in meta-modeling and model transformation techniques have led to increasing adoption of model-driven engineering practices. The increase in interest and significance of the model-driven approach has also accelerated its application in the development of large distributed IT systems to support collaborative enterprises in developing and exchanging services.

Shifting attention from source code to models permits enterprises to focus on their core concerns, such as business processes, services and collaborations, without being forced to simultaneously consider the underlying technologies.

Different concerns are typically addressed by different models, with transformations between the models and ultimately to the source code. Although the model-driven approach offers theoretical benefits for the development, maintenance and evolution of enterprise computing systems and corresponding service-oriented solutions, a number of issues for the practical application of the approach still exist. In order to solve these issues further advances in models business goals, pragmatic interoperability, semantic interoperability and model-driven methods design concepts, languages, meta-models, profiles, specification frameworks are necessary.

The International Workshop on Models and Model-driven Methods for Service Engineering (3M4SE 2010) aims at helping the convergence of research on model-driven development and practical application of the model-driven approach in the area of enterprise computing and service engineering. The workshop addresses questions with respect to the requirements on, concepts for, properties of and experience with models and model-driven methods for service engineering in the area of enterprise computing.

Furthermore, a special focus is on the combined application of model-driven and semantic approaches in the different phases of the service lifecycle.

This section of the volume contains the proceedings of the 3M4SE 2010 workshop, held on 25 October 2010 in Vitória, Brazil, in conjunction with the 14th IEEE International EDOC Conference on Enterprise Computing (EDOC 2010). Four papers were selected for oral presentation and publication, based on a thorough review process, in which each paper was reviewed by several experts in the field.

The selected papers present novel contributions concerning the following topic-areas:

• The (model-driven) representation of complex crosscutting context-dependent functionality in service interfaces and the automated generation of state machine-based adaptive behavior using model transformations,
• The definition of a mapping between the ArchiMate language and the Substation Configuration Language (SCL) of IEC 61850,
• The definition of a methodology for the design and implementation of B2B collaborations,
• The definition of concrete scenarios of process view transformations for providing assistance in business process management.

We would like to take this opportunity to express our gratitude to all people who contributed to the 3M4SE 2010 workshop. We thank the authors for submitting content, which triggered valuable information exchange and stimulating discussions; we thank the reviewers for providing useful

feedback to the submitted content, which undoubtedly helped the authors to improve their work; and we thank the attendants for expressing interest in the content and initiating relevant discussions. Finally, we are grateful for having the possibility to have 3M4SE being held in conjunction with the EDOC 2010 conference, and we thank the EDOC 2010 organization committee for their support.

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