

10th International IEEE EDOC Conference “The Enterprise Computing Conference”

16-20 October 2006, Hong Kong

<http://www.edocconference.org>

<http://www.comp.polyu.edu.hk/~edoc06/>

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Call for Papers

Intl. Workshop on Models for Enterprise Computing (IWMEC 2006)



ABOUT THE WORKSHOP

Enhancing business performance in contemporary domains (e.g., e-commerce, and logistics) requires systems whose size and intricacy challenge most of the current software engineering methods and tools. From early stages in the development of enterprise computing systems to their maintenance and evolution, a wide spectrum of methodologies, models, languages, tools and platforms are adopted. Shifting intellectual property and business logic from source code into models allows organizations to focus on the essential aspects of their systems, which have traditionally been blurred by the usage of standard programming languages and underlying technologies. Model-Driven Engineering (MDE) considers models as first-class entities enabling new possibilities for creating, analyzing, and manipulating systems through various types of tools and languages. Each model usually addresses one concern, and the transformations between models provide a chain that enables the automated implementation of a system initiating from its corresponding models.

SCOPE

This workshop aims to bring together researchers and practitioners to share experiences in using modelling as a universal paradigm that assists crosscutting methodologies and techniques to interoperate in a more general setting. The workshop intends to address questions about the nature and features of those models and domain-specific metamodels required to capture and measure particular aspects of enterprise computing (e.g., performance, distribution, security, load-balancing, and dependability) and specific business/application domains. Emphasis will be devoted to modelling enterprise legacy systems for integration and evolution, definition of (interoperable) enterprise model repositories, specification of model operations (composition, merging, and difference), model transformation and megamodelling, and the definition of development methodologies that allow all of the benefits of modelling to be realized.

TOPICS

This workshop focuses on the scientific and practical aspects related with the adoption of MDE for supporting enterprise system engineering and modelling. Thus, we encourage submissions from both academia and industry about the following (non-exhaustive) list of topics:

- Model-driven methodologies, approaches, and languages to specify, analyze, and develop enterprise systems
- Domain-specific and concern-oriented metamodeling
- Scalability and reuse of metamodels and model transformations
- Modelling in the large and megamodeling
- Modeling enterprise legacy systems for integration and evolution
- Modelling and analysis of enterprise systems
- Modelling and analysis of dependable and fault-tolerant systems
- Modelling and performance analysis
- Composition techniques in model transformations
- Model merging, weaving and composition
- Interoperable repositories of enterprise models
- Model-driven off-shoring
- Legacy-to-SOA transformations
- Model-driven techniques for software evolution
- Empirical studies of modelling and model-driven engineering
- Model-based analysis of software architectures
- Tools and environments for model-driven development
- Case studies and industrial experiences
- Business processes and model-driven engineering



SUBMISSION GUIDELINES

Research papers should describe original research results that have not been accepted or submitted for publication elsewhere. These papers will be evaluated for scientific or technical contribution, originality, appropriateness and significance. Submissions should not exceed 8 pages in the IEEE format. Experience reports should describe new insights gained from case studies or the application of modeling techniques to enterprise computing in practice. These papers will be evaluated on their appropriateness, significance and clarity of expression.

All papers will be refereed by at least 3 members of the program committee. All submissions must be in English. Submissions should be made electronically in PDF (preferred) or PostScript format via the submission page on the Workshop website. Accepted Workshop papers are expected to be included into the IEEE Digital Library (yet to be confirmed).

WORKSHOP CHAIRS

- Alfonso Pierantonio, University of L'Aquila (I)
- Jean Bézivin, University of Nantes (F)
- Jeff Gray, University of Alabama at Birmingham (USA)

WORKSHOP PROGRAM COMMITTEE

- Ana Moreira, Universidade Nova de Lisboa (P)
- Anneke Kleppe, University of Twente (NL)
- Arne Berre, Sintef (N)
- Brandon Eames, Utah State University (USA)
- Daniel Varro, University of Budapest (H)
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- Eelco Visser, Universiteit Utrecht (NL)
- Gerti Kappel, Technical University of Vienna (A)
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- Marten van Sinderen, University of Twente (NL)
- Martin Gogolla, University of Bremen (D)
- Nora Koch, University of Munich (D)
- Pavel Hruby, Microsoft Business Solutions (DK)
- Reiko Heckel, University of Leicester (UK)

IMPORTANT DATES

Paper submission deadline: **16 June 2006**
Author notification: **28 July 2006**
Camera ready of papers: **18 August 2006**
Workshop date: **16 October 2006**

Further information about the Workshop is available at
<http://www.model-transformation.org/IWMEC2006>