

# **Proceedings of Workshops**

in connection with the

## **Sixth International Conference on Web Engineering (ICWE 2006)**

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(editors)**

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# Preface

The Sixth International Conference on Web Engineering (ICWE 2006) held in Palo Alto, California, at the Stanford Linear Accelerator Center, hosted the workshops MDWE, AEWSE and SMIWEP-MATeS. This volume of the ACM Digital Library contains a selection of papers presented at the three workshops which took place on July, 10th and July, 11th.

ICWE 2006 and the associated workshops aim to promote research and scientific exchange related to Web Engineering and to bring together practitioners, scientists and researchers, as well as those interested in learning more about Web Engineering. The Web Engineering discipline comprises the development and use of models, methodologies, technologies, tools and techniques that are used to develop and maintain Web applications within economic constraints. In the era of Web-based information and services we are living in, the development of such Web systems is demanding our attention in order to provide sound and engineered solutions to specific problems in the Web Engineering field. The articles presented at the ICWE 2006 workshops have proposed novel results in this area focusing each on a specific domain:

The Second International Workshop on Model-Driven Web Engineering (MDWE'06) focused on model-based and model-driven development of Web applications. The main goal of this workshop series is to promote the use of models and model transformations as well as the definition of domain specific modeling languages (DSML) and construction of CASE tools supporting model-driven processes. Strengths and weaknesses of model-driven approaches in the Web domain were lively discussed during the workshop.

The First International Workshop on Adaptation and Evolution in Web Systems Engineering (AEWSE'06) aimed at bringing together researchers and practitioners with different research interests, belonging to communities like Web Engineering, Adaptive Hypermedia, User Modeling, Active Databases, Semantic Web, Ontology Evolution, Database Evolution, Temporal Data, Software Engineering and Mobile Computing. The goal of the workshop was to address adaptation and evolution of Web applications both during design, implementation and deployment.

The Joint Workshop on Web Services Modeling and Implementation using Sound Web Engineering Practices and Methods, Architectures & Technologies for e-Service Engineering (SMIWEP-MATeS'06) covered current state-of-the-art and best practices in e-Service engineering, focusing on aspects such as development of semantic Web applications, integration of technologies, requirements engineering, patterns and reference architectures, design methodologies and processes and quality models.

This publication is the result of the effort of many people. We would like to thank the ICWE 2006 Organizing Committee, which supported the workshop organization. The valuable efforts of the workshop organizers have strongly contributed to the success of the workshop program. We are very grateful to the workshop organizers for their engagement and hard work. Our special thanks go to the reviewers, who together with the workshop organizers helped to select the high-quality ongoing works presented in this volume. We would also like to thank all the authors for their co-operation along the process. Last but not least, thanks go to all workshop participants for the fruitful discussions providing feedback to the authors and showing which may be the main concerns of Web engineering research in the near future.

August 2006

**Nora Koch and Luis Olsina**  
ICWE 2006 Workshops and Tutorials Co-chairs



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