

## Preface

Examples play a key role in the human learning process. Numerous theories exist on learning styles that build upon examples constituting the basis for deriving general knowledge. Following this idea, techniques for deriving algorithms and programs from user-specified examples has a long tradition in computer science. Like many other domains of software engineering, the research community in the area of model-driven engineering (MDE) is currently concerned with the exploitation of examples for deriving general solutions that fall within a specified acceptance margin to solve specific problems. Recently, several researchers proposed techniques enabling the (semi-)automatic derivation of general solutions from examples in the field of model transformation, model evolution, model analysis, and model testing. Applying example-based techniques to complex MDE problems necessitates expertise in both machine learning or search-based optimization and MDE formalisms and techniques.

The International Workshop on Model-driven Engineering By Example, in short MDEBE, aims to bring together researchers working on the application of example-based techniques to solve MDE problems. This first edition of MDEBE has been held as a full-day satellite event of the MODELS 2013 conference on September 29, 2013, in Miami, Florida. In a rigorous review process, the program committee accepted five submissions. The topics of these five submissions range from applying model transformation by example techniques manually, producing model recommenders, modeling business knowledge, through to generating meta-models from grammars and test cases from model transformations. All papers share the common theme of exploiting the value of examples in their respective domain and their individual manner. The program of this workshop consisted not only of five paper presentations, but also one keynote, as well as one session dedicated to an open discussion. The keynote was held by Lionel C. Briand on model-based software testing and verification as a search problem.

We would like to thank all the authors who contributed to the workshop with their papers and presentations, Lionel C. Briand for his insightful keynote speech, the participants for the vibrant discussions, as well as our program committee for the constructive and competent reviews. Furthermore, we thank the MODELS Workshop Chairs for their efforts in supporting us in organizing this workshop and for establishing a relaxed and constructive environment.

November 2013

Marouane Kessentini  
Philip Langer  
Houari Sahraoui

### **Program Committee**

Slim Bechikh	Missouri University of Science and Technology, USA
Mounir Boukadoum	Université du Québec á Montral, Canada
Martin Faunes	Universit de Montral, Canada
Iván García-Magariño	Universidad a Distancia de Madrid, Spain
Jeff Gray	University of Alabama, USA
Marianne Huchard	LIRMM, Université Montpellier 2 et CNRS, France
Gerti Kappel	Vienna University of Technology, Austria
Marouane Kessentini	Missouri University of Science and Technology, USA
Philip Langer	Vienna University of Technology, Austria
Juan De Lara	Universidad Autonoma de Madrid, Spain
Mel Ó Cinnéide	UCD School of Computer Science and Informatics, Ireland
Richard Paige	University of York, UK
Houari Sahraoui	University of Montreal, Canada
Dniel Varró	Budapest University of Technology and Economics, Hungary
Manuel Wimmer	Vienna University of Technology, Austria