Preface

The MPM workshop series brings together researchers and practitioners interested in using explicit and heterogeneous models throughout the design of a system.

The Ninth edition took place on 29th September 2015 and was co-located with MODELS 15 in Ottawa, Canada.

Out of the 6 papers submitted and reviewed by at least four members of the program committee, 5 were selected for oral presentation.

In addition to the presentation of the selected papers from the technical program, MPM015 featured an invited presentation by Prof. Hans Vangheluwe on the topic of Abstraction.

This volume contains versions of the selected papers that the authors had the opportunity to enhance by taking into account reviewers comments.

October 16, 2015

Daniel Balasubramanian
Bruno Barroca
Sahar Kokaly
Gergely Mezei
Pieter Van Gorp
# Table of Contents

Analyzing Regulatory Conformance in Medical Research Systems Using Multi-Paradigm Modeling ............................................................. 1  
   *Phillippa Bennett, Wuliang Sun, Wade Ted, Geri Georg, Indrakshi Ray and Michael Kahn*

Towards Inconsistency Management by Process-Oriented Dependency Modeling .......................................................... 2  
   *István Dávid, Joachim Denil and Hans Vangheluwe*

Towards a Unifying Approach for Performance-Driven Software Model Refactoring .......................................................... 3  
   *Davide Arcelli, Vittorio Cortellessa and Daniele Di Pompeo*

An Expeditious Approach to Modeling IDE Interaction Design .......... 4  
   *Vasco Sousa and Eugene Syriani*

Towards a Unifying Model Transformation Bus .............................. 5  
   *Maris Jukss, Bruno Barroca, Clark Verbrugge and Hans Vangheluwe*
Program Committee

Vasco Amaral
Daniel Balasubramanian Vanderbilt University
Bruno Barroca School of Computer Science, McGill University
Kirstie Bellman The Aerospace Corporation
Dominique Blouin Hasso-Plattner-Institut
Frédéric Boulanger Supélec
Didier Buchs CUI, University of Geneva
Antonio Cicchetti Mälardalen University
Benoit Combemale IRISA, Université de Rennes 1
Arnaud Cuccuru CEA LIST
Juan De Lara Universidad Autonoma de Madrid
Joachim Denil McGill University
Vincent Englebert University of Namur
Thomas Huining Feng University of California, Berkeley
Holger Giese Hasso Plattner Institute at the University of Potsdam

Gabor Karsai McMaster University
Sahar Kokaly Victoria University of Wellington
Thomas Kuehne
Laszlo Lengyel
Tihamér Levendovszky
Levi Lucio MSDL
Bart Meyers University of Antwerp
Gergely Mezei BUTE
Mark Minas Universität der Bundeswehr München
Pieter Mosterman
Ahsan Qamar Georgia Institute of Technology
Rick Salay University of Toronto
Hessam Sarjoughian ACIMS, Arizona State University
Eugene Syriani University of Montreal
Martin Torngren Prof
Mamadou Traoré Blaise Pascal University, Clermont-Ferrand 2
Pieter Van Gorp Eindhoven University of Technology
Hans Vanghelue University of Antwerp and McGill University
Daniel Varro Budapest University of Technology and Economics
Jeroen Voeten TU Eindhoven
Bernhard Westfechtel University of Bayreuth
Manuel Wimmer Business Informatics Group, Vienna University of Technology