2013 5th International Workshop on Modeling in Software Engineering

(MiSE 2013)

San Francisco, California, USA
18 – 19 May 2013
## Contents

### Model Representation

**Issues in Representing Domain-Specific Concerns in Model-Driven Engineering**  
Lionel Montrieux, Yijun Yu, Michel Wermelinger, and Zhenjiang Hu — Open University, UK; National Institute of Informatics, Japan

**MAV-Vis: A Notation for Model Uncertainty**  
Michalis Famelis and Stephanie Santosa — University of Toronto, Canada

**Modes, Features, and State-Based Modeling for Clarity and Flexibility**  
Anitha Murugesan, Sanjai Rayadurgam, and Mats P. E. Heimdahl — University of Minnesota, USA

### Model Analysis and Development Support

**Lightweight Analysis of Software Design Models at the Whiteboard**  
Alfredo Motta, Nicolas Mangano, and André van der Hoek — Politecnico di Milano, Italy; UC Irvine, USA

**Complementing Model-Driven Development for the Detection of Software Architecture Erosion**  
Sebastian Herold and Andreas Rausch — TU Clausthal, Germany

**Enhancing Version Control with Domain-Specific Semantics**  
Matthieu Foucault, Sébastien Barbier, and David Lugato — CESTA, France

### Applications of Modeling

**Model Based Control for Multi-cloud Applications**  
Marco Miglierina, Giovanni P. Gibilisco, Danilo Ardagna, and Elisabetta Di Nitto — Politecnico di Milano, Italy

**Design Module: A Modularity Vision Beyond Code: Not Only Program Code But Also a Design Model Is a Module**  
Naoyasu Ubayashi and Yasutaka Kamei — Kyushu University, Japan

**Highlighting the Challenges of Model-Based Engineering for Spaceflight Software Systems**  
Robert G. Pettit, IV, and Navneet Mezcciani — Aerospace Corporation, USA

### Runtime Models

**A UML Profile for Dynamic Execution Persistence with Monitoring Purposes**  
Eladio Domínguez, Beatriz Pérez, and María A. Zapata — University of Zaragoza, Spain; University of La Rioja, Spain

**Requirements Models for Design- and Runtime: A Position Paper**  
Alexander Borgida, Fabiano Dalpiaz, Jennifer Horkoff, and John Mylopoulos — Rutgers University, USA; University of Toronto, Canada; University of Trento, Italy

### Short Presentations

**Model Oriented Programming: Bridging the Code-Model Divide**  
Omar Badreddin and Timothy C. Lethbridge — University of Ottawa, Canada

**A Model-Based Approach to Language Integration**  
Federico Tomassetti, Antonio Vetrò, Marco Torchiano, Markus Voelter, and Bernd Kolb — Politecnico di Torino, Italy; voelter ingenieurbuero fuer softwretechnologie, Germany; itemis, Germany