

# Preface

The European Conference on Modelling Foundations and Applications (ECMFA) is dedicated to advancing the state of knowledge and fostering the industrial application of model-based engineering (MBE) and related methods. By model-based engineering we understand an approach to the design, analysis, and development of software and systems that relies on exploiting high-level models and computer-based automation to achieve significant boosts in both productivity and quality.

The 12th edition of ECMFA was held during July 6–7, 2016, in Vienna as part of the Software Technologies: Applications and Foundations (STAF) federation of conferences. The Program Committee received 47 submissions. Each submission was reviewed by at least three Program Committee members. The committee decided to accept 16 papers, 12 papers for the Foundations Track and four papers for the Applications Track, resulting in an overall acceptance rate of 34 %. Papers on a wide range of MBE aspects were accepted, including topics such as foundations for modeling semantics, model management and evolution, model transformation, modeling tools, and model-driven engineering in neurorobotics.

We thank Krzysztof Czarnecki and Stefan Voget for interesting talks on the use of MDE in the automotive domain and other areas of embedded systems engineering. Furthermore, we are grateful to all the Program Committee members and all additional reviewers for providing their expertise and quality while reviewing the submitted papers. Their helpful and constructive feedback is most appreciated. We thank the STAF organization for providing an excellent framework in which ECMFA can continue to exist. Last but certainly not least, we thank all authors who submitted papers to ECMFA 2016, contributing to this important research area.

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Andrzej Wąsowski  
Henrik Lönn

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