

# Preface

This volume contains the papers presented at ICMT 2015: the 8th International Conference on Model Transformation held during July 20–21, 2015, in L’Aquila as part of the STAF 2015 (Software Technologies: Applications and Foundations) conference series. ICMT is the premier forum for researchers and practitioners from all areas of model transformation.

Model transformation encompasses a variety of technical spaces, including modelware, grammarware, dataware, and ontoware, a variety of model representations, e.g., based on different types of graphs, and a range of transformation paradigms including rule-based transformations, term rewriting, and manipulations of objects in general-purpose programming languages.

The study of model transformation includes transformation languages, tools, and techniques, as well as properties (such as modularity, composability, and parameterization) of transformations. An important goal of the field is the development of dedicated model transformation languages, which can enable the specification of complex transformations in a rigorous manner and at an appropriate level of abstraction.

The efficient execution of model queries and transformations by scalable transformation engines on top of large graph data structures is also a key challenge for an increasing number of application scenarios. Novel algorithms as well as innovative (e.g., distributed) execution strategies and domain-specific optimizations are sought in this respect. To achieve impact on software engineering in general, methodologies and tools are required to integrate model transformation into existing development environments and processes.

This year, ICMT received 34 submissions. Each submission was reviewed by at least three Program Committee members. After an online discussion period, the Program Committee accepted 16 papers as part of the conference program. These papers included regular research, application, tool demonstration, and exploratory papers presented in the context of five sessions on foundations, applications, new paradigms, change and reuse, and validation and verification of transformations.

Many people contributed to the success of ICMT 2015. We are grateful to the Program Committee members and reviewers for the timely delivery of reviews and constructive discussions under a very tight review schedule. We would also like to thank Javier Troya (Vienna University of Technology) for serving as the Web chair of ICMT 2015. Last but not least, we would like to thank the authors who constitute the heart of the model transformation community for their enthusiasm and hard work.

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