

# Preface

This volume contains selected papers of the workshops collocated with the 11th International Conference on Software Engineering and Formal Methods, SEFM 2013. These workshops were held in Madrid, Spain, during September 24–25, 2013. Each of the workshops had a different slant on the topic of formal methods in software engineering, but each made a significant contribution toward advancement of the respective areas. The depth and range of papers illustrate this.

The aim of the *Second International Workshop on Behavioral Types Workshop* (BEAT 2) was to pursue research topics in the use of behavioral type theory as the basis for new foundations, programming languages, and software development methods for communication-intensive distributed systems.

The aim of the *Third Workshop on Formal Methods in the Development of Software* (WS-FMDS) was to bring together scientists and practitioners active in the area of formal methods and interested in exchanging their experiences in the industrial usage of these methods.

In many engineering-based application areas such as in the railway domain, formal methods have reached a level of maturity that already enables the compilation of a so-called body of knowledge. The purpose of the *Workshop on a Formal Methods Body of Knowledge for Railway Control and Safety Systems* (FM-RAIL-BOK) was to bring together practitioners and researchers in this area and to that end.

The *Second International Symposium on Modelling and Knowledge Management for Sustainable Development* (MoKMaSD) brought together researchers and practitioner from academia, industry, government, and non-government organizations to present research results and exchange experience, ideas, and solutions for modelling and analyzing complex systems. In particular in areas including economy, governance, health, biology, ecology, climate, and poverty reduction.

The aim of the *7th International Workshop on Foundations and Techniques for Open Source Software Certification* (OpenCert) was to bring together researchers from academia and industry interested in the quality assessment of OSS projects, as well as the metrics, procedures, and tools used in OSS communities and for the measurement and assessment of OSS quality.

For each of the workshops at SEFM 2013, we thank the organizers for developing a vibrant and interesting set of papers and resulting talks. We also thank the paper contributors to these workshops and those who attended them.

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Steve Counsell  
Manuel Núñez

Software Engineering and Formal Methods

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Counsell, S.; Núñez, M. (Eds.)

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