Preface

This volume contains the proceedings of the Ninth International Workshop on Rewriting Logic and its Applications (WRLA 2012) that was held in Tallinn, Estonia, on March 24–25, 2012, as a satellite workshop of the European Joint Conferences on Theory and Practice of Software (ETAPS 2012).

Rewriting logic is a natural semantic framework for representing concurrency, parallelism, communication and interaction, as well as being an expressive (meta)logical framework for representing logics. It can then be used for specifying a wide range of systems and programming languages in various application fields. In recent years, several executable specification languages based on rewriting logic (ASF+SDF, CafeOBJ, ELAN, Maude) have been designed and implemented. The aim of the WRLA workshop series is to bring together researchers with a common interest in rewriting logic and its applications, and to give them the opportunity to present their recent works, discuss future research directions, and exchange ideas.

Previous WRLA workshops were held in Asilomar (1996), Pont-à-Mousson (1998), Kanazawa (2000), Pisa (2002), Barcelona (2004), Vienna (2006), Budapest (2008), and Paphos (2010). Workshop proceedings have been published in Elsevier's Electronic Notes in Theoretical Computer Science (ENTCS) series since its inception in 1996 until 2010, moving to Springer's Lecture Notes in Computer Science (LNCS) for that edition. In addition, selected papers from WRLA 1996 have been published in a special issue of Theoretical Computer Science, selected papers from WRLA 2004 appeared in a special issue of Higher-Order and Symbolic Computation, and a special issue in the Journal of Logic and Algebraic Programming is currently under preparation for extended versions of selected papers of WRLA 2010.

WRLA 2012 will count with Saddek Bensalem as invited speaker. The program of the workshop, including regular papers and papers presenting work in progress, each of which was reviewed by four reviewers, will be completed with invited talks from Santiago Escobar, Mark Hills, Grigore Rosu, and Martin Wirsing.

I would like to thank the authors who submitted their work to WRLA 2012 and who, through their contributions, made this workshop a high-quality event. I would also like to thank the program committee members and the external reviewers for their timely and insightful reviews as well as for their involvement in the post-reviewing discussions. I am also grateful to my friends who provided me with all kinds of help and useful advice, to the invited speakers, to the WRLA steering committee for their work in getting the proceedings published in Springers LNCS series.

I also thank Andrei Voronkov for the excellent EasyChair conference system.

February 7, 2012 Francisco Durán
Málaga

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