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Danny De Schreye (Ed.)

Logic-Based Program Synthesis and Transformation

19th International Symposium, LOPSTR 2009
Coimbra, Portugal, September 2009
Revised Selected Papers

Volume Editor

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Library of Congress Control Number: 2010924453

CR Subject Classification (1998): F.3, D.3, D.2, F.4.1, I.2.3, F.4

LNCS Sublibrary: SL 1 – Theoretical Computer Science and General Issues

ISSN 0302-9743

ISBN-10 3-642-12591-3 Springer Berlin Heidelberg New York

ISBN-13 978-3-642-12591-1 Springer Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper 06/3180

Preface

This volume contains a selection of the papers presented at the 19th International Symposium on Logic-Based Program Synthesis and Transformation (LOPSTR 2009) held September 9-11, 2009 in Coimbra, Portugal. Information about the conference can be found at <http://www.cs.kuleuven.be/conference/lopstr09+>. Previous LOPSTR symposia were held in Valencia (2008), Lyngby (2007), Venice (2006 and 1999), London (2005 and 2000), Verona (2004), Uppsala (2003), Madrid (2002), Paphos (2001), Manchester (1998, 1992, and 1991), Leuven (1997), Stockholm (1996), Arnhem (1995), Pisa (1994), and Louvain-la-Neuve (1993).

The aim of the LOPSTR series is to stimulate and promote international research and collaboration on logic-based program development. LOPSTR traditionally solicits papers in the areas of specification, synthesis, verification, transformation, analysis, optimization, composition, security, reuse, applications and tools, component-based software development, software architectures, agent-based software development, and program refinement. LOPSTR has a reputation for being a lively, friendly forum for presenting and discussing work in progress. Formal proceedings are produced only after the symposium so that authors can incorporate any feedback in the published papers.

I would like to thank all those who submitted contributions to LOPSTR in the categories of full papers and extended abstracts. Each submission was reviewed by at least three Program Committee members. The committee decided to accept three full papers for immediate inclusion in the final proceedings, and ten papers were accepted after revision and another round of reviewing. In addition to the accepted papers, the program also included an invited talk by Germán Vidal (Technical University of Valencia).

I am grateful to the Program Committee members who worked hard to produce high-quality reviews for the submitted papers in a tight schedule, as well as all the external reviewers involved in the paper selection. I also would like to thank Andrei Voronkov for his excellent EasyChair system that automates many of the tasks involved in chairing a conference.

LOPSTR 2009 was co-located with PPDP 2009 and CSL 2009. Many thanks to the local organizers of these events, in particular, to Ana Almeida, the LOPSTR 2009 Local Organization Chair.

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