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Logic-Based Program Synthesis and Transformation

18th International Symposium, LOPSTR 2008
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Revised Selected Papers

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Preface

This volume contains a selection of the papers presented at the 18th International Symposium on Logic-Based Program Synthesis and Transformation (LOPSTR 2008) held during July 17–18, 2008 in Valencia, Spain. Information about the conference can be found at <http://www.informatik.uni-kiel.de/~mh/lopstr08>. Previous LOPSTR symposia were held in 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 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 post-conference proceedings, and nine papers were accepted after revision and another round of reviewing. In addition to the accepted papers, the program also included an invited talk by Peter O’Hearn (University of London).

I am grateful to the Program Committee members who worked hard to produce high-quality reviews for the submitted papers under 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 2008 was co-located with SAS 2008, PPDP 2008, and PLID 2008. Many thanks to the local organizers of these events, in particular, to Josep Silva, the LOPSTR 2008 local Organizing Committee Chair. Finally, I gratefully acknowledge the institutions that sponsored this event: Departamento de Sistemas Informáticos y Computación, EAPLS, ERCIM, Generalitat Valenciana, MEC (Feder) TIN2007-30509-E, and Universidad Politécnica de Valencia.

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