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Logic-Based Program Synthesis and Transformation

17th International Symposium, LOPSTR 2007
Kongens Lyngby, Denmark, August 23-24, 2007
Revised Selected Papers



Springer

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Library of Congress Control Number: 2008922726

CR Subject Classification (1998): F.3.1, D.1.1, D.1.6, D.2.4, I.2.2, F.4.1

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

ISSN	0302-9743
ISBN-10	3-540-78768-2 Springer Berlin Heidelberg New York
ISBN-13	978-3-540-78768-6 Springer Berlin Heidelberg New York

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© Springer-Verlag Berlin Heidelberg 2008
Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper SPIN: 12245710 06/3180 5 4 3 2 1 0

Preface

This volume contains a selection of the the papers presented at the 17th International Symposium on Logic-Based Program Synthesis and Transformation, that was held in Kongens Lyngby, Denmark, August 23–24, 2007. Previous LOPSTR symposia were held in Venice (2007 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 thus 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. Formal proceedings are produced only after the symposium, so that authors can incorporate this feedback in the published papers. Thirty submissions were received and each paper, in turn, received at least three reviews. The Committee decided to accept seven full papers for presentation and for immediate inclusion in the final post-conference proceedings. Nine extended abstracts were also selected for presentation, of which six papers were accepted for publication in this volume, after revision and another round of reviewing. Michael Codish contributed a paper to the proceedings to accompany his invited talk.

I am very grateful to the Program Committee and the reviewers for their invaluable help and expertise. The Steering Committee and, in particular Germán Puebla, generously shared their experience. I would like to thank Andrei Voronkov for his excellent EasyChair paper submission and reviewing system; Michael Hanus for his guidance in using EasyChair; and Andreas Matthias for his pdfpages L^AT_EX package which simplified the production of the pre-conference LOPSTR proceedings.

LOPSTR 2007 was co-located with SAS 2007 and my warmest thanks go to Christian W. Probst (Local Chair), who was always willing to help in every aspect of the organization of LOPSTR 2007. Special thanks also go Hanne Riis Nielson, Flemming Nielson (Treasurer), Sebastian Nanz, Terkel K. Tolstrup, Eva Bing, and Elsebeth Strøm, who, together with Christian, took care of the overall planning and local organization of LOPSTR 2007.

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