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Logic Based Program Synthesis and Transformation

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Revised Selected Papers



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Preface

This volume contains selected papers from LOPSTR 2002, the 12th International Workshop on Logic-Based Program Development and Transformation. Topics of interest to LOPSTR cover all aspects of logic-based program development and, in particular, specification, synthesis, verification, transformation, specialization, analysis, optimization, composition, reuse, component-based and agent-based software development, and software architectures.

LOPSTR 2002 took place at the Technical University of Madrid (Spain) from September 17 to September 20, 2002. Past LOPSTR workshops were held in Manchester, UK (1991, 1992, 1998), Louvain-la-Neuve, Belgium (1993), Pisa, Italy (1994), Arnhem, The Netherlands (1995), Stockholm, Sweden (1996), Leuven, Belgium (1997), Venice, Italy (1999), London, UK (2000), and Paphos, Cyprus (2001).

LOPSTR 2002 was co-located with the International Static Analysis Symposium (SAS 2002), the APPIA-GULP-PRODE Joint Conference on Declarative Programming (AGP 2002), and the Joint CoLogNet Workshop on Component-Based Software Development and Implementation Technology for Computational Logic Systems. The LOPSTR community profited from the shared lectures of the invited speakers, and the active scientific discussions enabled by the co-location.

I especially wish to thank Francisco Bueno and the entire team of local organizers from the Technical University of Madrid. They did an outstanding job in organizing the various events and helped make LOPSTR 2002 a success. I also wish to express my gratitude towards the program committee and the many additional referees for their efforts in carefully reviewing the submitted papers and ensuring the quality of LOPSTR. In addition I wish to thank all the authors who submitted their papers to LOPSTR 2002. Special thanks to Stefan Gruner, who helped me with various tasks related to the organization of LOPSTR 2002. Finally, the sponsorship of the Association of Logic Programming (ALP) is gratefully acknowledged, and I thank Springer-Verlag for publishing this volume of selected papers in the LNCS series.

Out of 40 submissions, the program committee selected 22 for presentation at LOPSTR 2002, 15 of which were selected to appear as long papers in this volume. This volume also includes abstracts of the other 7 papers presented at LOPSTR 2002.

The preproceedings of LOPSTR 2002 were printed by the Technical University of Madrid. Further information can be obtained from the LOPSTR 2002 homepage: <http://clip.dia.fi.upm.es/LOPSTR02/>.

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