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Rewriting Techniques and Applications

20th International Conference, RTA 2009
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Proceedings



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Preface

This volume contains the papers of the 20th International Conference on Rewriting Techniques and Applications (RTA 2009), which was held from June 29 to July 1, 2009, in Brasília, Brazil as part of the 5th International Conference on Rewriting, Deduction, and Programming (RDP 2009) together with the International Conference on Typed Lambda Calculi and Applications (TLCA 2009), the International School on Rewriting (ISR 2009), the 4th Workshop on Logical and Semantic Frameworks with Applications (LSFA 2009), the 10th International Workshop on Rule-Based Programming (RULE 2009), the 8th International Workshop on Functional and (Constraint) Logic Programming (WFLP 2009), the 9th International Workshop on Reduction Strategies in Rewriting and Programming (WRS 2009), and the annual meeting of the IFIP Working Group 1.6 on term rewriting.

RTA is the major forum for the presentation of research on all aspects of rewriting. Previous RTA conferences were held in Dijon (1985), Bordeaux (1987), Chapel Hill (1989), Como (1991), Montreal (1993), Kaiserslautern (1995), Rutgers (1996), Sitges (1997), Tsukuba (1998), Trento (1999), Norwich (2000), Utrecht (2001), Copenhagen (2002), Valencia (2003), Aachen (2004), Nara (2005), Seattle (2006), Paris (2007), and Hagenberg (2008).

For RTA 2009, 22 regular research papers and four system descriptions were accepted out of 59 submissions. Each paper was reviewed by at least three members of the Program Committee, with the help of 94 external reviewers, and an electronic meeting of the Program Committee was held using Andrei Voronkov's EasyChair system. I would like to thank the members of the Program Committee and the external reviewers for their great work, and Andrei Voronkov for providing the EasyChair system, which was invaluable in the reviewing process, the electronic Program Committee meeting, and the preparation of this volume.

The Program Committee decided to split the RTA 2009 best paper award between the paper "An Explicit Framework for Interaction Nets" by Marc de Falco, and the paper "From Outermost to Context-Sensitive Rewriting" by Jörg Endrullis and Dimitri Hendriks.

In addition to the contributed papers, the RTA program contained two invited talks by Vincent Danos and Johannes Waldmann, and jointly with TLCA 2009 an invited talk by Robert Harper.

Many people helped to make RTA 2009 a success. I would like to thank in particular the Conference Chair Mauricio Ayala Rincón, the RTA Publicity Chair Hitoshi Ohsaki, and the local organization team, as well as the sponsors Universidade de Brasília, Brazilian Counsel of Technological and Scientific Development - CNPq, Brazilian Coordination for the Improvement Higher Education Personnel - CAPES, and Federal District Research Foundation - FAPDF.

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