Rewriting Techniques and Applications

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Preface

This volume contains the proceedings of the 10th International Conference on Rewriting Techniques and Applications held from July 2-4, 1999 in Trento, Italy, as part of the Federated Logic Conference (FLoC’99). The RTA conferences are dedicated to all aspects of term, string and graph rewriting as well as their applications such as lambda calculi, theorem-proving, functional programming, decision procedures.

The program committee selected 23 papers as well as 4 system descriptions from 53 submissions of overall high quality (46 regular papers and 7 systems descriptions). The papers cover a wide range of topics: constraint solving, termination, deduction and higher-order rewriting, graphs, complexity, tree automata, context-sensitive rewriting, string rewriting and numeration systems ... by authors from countries including: France, Germany, India, Israel, Italy, Japan, The Netherlands, Poland, Portugal, Spain, USA.

B. Courcelle (Univ. Bordeaux) and F. Otto (Univ. Kassel) presented invited talks, on graph grammars and connections between rewriting and formal language theory respectively. F. van Raamsdonk (CWI, Amsterdam) gave an invited tutorial on higher-order rewriting.

We would like to thank the external reviewers for their contribution to preparing the program and Horatiu Cirstea for his help in maintaining the web server of the program committee.

April 1999

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