

Automata Implementation

4th International Workshop on Implementing Automata, WIA'99 Potsdam, Germany, July 17-19, 2001 Revised Papers

This volume contains the revised versions of papers presented at the fourth international Workshop on Implementing Automata (WIA), held 17–19 July, 1999, at Potsdam University, Germany. As for its predecessors, the theme of WIA99 was the implementation of automata and grammars of all types and their application in other fields. The papers contributed to this volume address, among others, algorithmic issues regarding automata, image and dictionary storage by automata, and natural language processing. In addition to the papers presented in these proceedings, the workshop included a paper on quantum computing by C. Calude, E. Calude, and K. Svozil (published elsewhere), an invited lecture by W. Thomas on Algorithmic Problems in the Theory of Automata, a tutorial by M. Silberstein on the INTEX linguistic development environment, and several demonstrations of systems. The local arrangements for WIA99 were conducted by Helmut Jürgensen, Suna Aydin, Oliver Boldt, Carsten Haustein, Beatrice Mix, and Lynda Rbins. The meeting was held in the Commons building, now the main university building, of the New Palace in the park of Sanssouci, Potsdam. The program committee for WIA99 was: A. Bruggemann-Klein Technische Universität München J.-M. Champarnaud Université de Rouen F. Günthner Universität München H. Jürgensen Universität Potsdam and University of Western Ontario D. Maurel Université de Tours D. Raymond Gateway Group Inc. K. Salomaa University of Western Ontario W. Thomas Rheinisch-Westfälische Technische Hochschule Aachen B. Watson Ribbit Software Systems Inc.

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