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Implementation and Application of Automata

10th International Conference, CIAA 2005
Sophia Antipolis, France, June 27-29, 2005
Revised Selected Papers



Springer

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Library of Congress Control Number: 2006920773

CR Subject Classification (1998): F.1.1, F.1.2, F.4.2, F.4.3, F.2

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

ISSN 0302-9743

ISBN-10 3-540-31023-1 Springer Berlin Heidelberg New York

ISBN-13 978-3-540-31023-5 Springer Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper SPIN: 11605157 06/3142 5 4 3 2 1 0

Preface

The 10th International Conference on Implementation and Application of Automata (CIAA 2005) was held in the Technopole of Sophia Antipolis, France, on June 27–29, 2005.

This volume of the *Lecture Notes in Computer Science* series contains the notes of the two invited lectures, the 26 papers selected for presentation at the conference, and the abstracts of the eight posters that were displayed.

The papers and posters were selected amongst 87 submitted papers. The submissions came from countries in five continents. They show applications of automata in many fields, including mathematics, linguistics, networks, XML processing, biology and music. The elderly lady of automata is alive and kicking, ready to face the new challenges of computer science.

Based on the reviews, the Best Paper Award was given to Markus Lohrey and Sebastian Maneth for their excellent article on Tree Automata and XPath on Compressed Trees (see page 225). This award was generously sponsored by the University of California at Santa Barbara.

We wish to thank all the Program Committee members and the additional referees for their efforts in refereeing and selecting papers, and maintaining the high standard of CIAA conferences. We are grateful to all the contributors to the conference, in particular to the invited speakers, for making CIAA 2005 a scientific success.

We also thank the Computer Science Department of the École Polytechnique Universitaire of the University of Nice - Sophia Antipolis for accommodating CIAA in its buildings and providing the logistical support.

October 2005

J. Farré
I. Litovsky
S. Schmitz

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