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Gastón H. Gonnet  Daniel Panario
Alfredo Viola (Eds.)

LATIN 2000:
Theoretical Informatics

4th Latin American Symposium
Punta del Este, Uruguay, April 10-14, 2000
Proceedings
Preface

This volume contains the proceedings of the LATIN 2000 International Conference (Latin American Theoretical INformatics), to be held in Punta del Este, Uruguay, April 10-14, 2000.

This is the fourth event in the series following São Paulo, Brazil (1992), Valparaíso, Chile (1995), and Campinas, Brazil (1998). LATIN has established itself as a fully refereed conference for theoretical computer science research in Latin America. It has also strengthened the ties between local and international scientific communities. We believe that this volume reflects the breadth and depth of this interaction.

We received 87 submissions, from 178 different authors in 26 different countries. Each paper was assigned to three program committee members. The Program Committee selected 42 papers based on approximately 260 referee reports. In addition to these contributed presentations, the conference included six invited talks.

The assistance of many organizations and individuals was essential for the success of this meeting. We would like to thank all of our sponsors and supporting organizations. Ricardo Baeza-Yates, Claudio Lucchesi, Arnaldo Moura, and Imre Simon provided insightful advice and shared with us their experiences as organizers of previous LATIN meetings. Joaquín Goyoaga and Patricia Corbo helped in the earliest stages of the organization in various ways, including finding Uruguayan sources of financial support. SeCIU (Servicio Central de Informática Universitario, Universidad de la República) provided us with the necessary communication infrastructure. The meeting of the program committee was hosted by the Instituto de Matemática e Estatística, Universidade de São Paulo, which also provided us with the Intranet site for discussions among PC members. We thank the researchers of the Institute for their collaboration, and in particular, Arnaldo Mandel for the Intranet setup. Finally, we thank Springer-Verlag for their commitment in publishing this and previous LATIN proceedings in the Lecture Notes in Computer Science series.

We are encouraged by the positive reception and interest that LATIN 2000 has created in the community, partly indicated by a record number of submissions.

January 2000

Gastón Gonnet
Daniel Panario
Alfredo Viola
The Conference

Invited Speakers

Allan Borodin (Canada)  Yoshiharu Kohayakawa (Brazil)
Philippe Flajolet (France)  Andrew Odlyzko (USA)
Joachim von zur Gathen (Germany)  Prabhakar Raghavan (USA)

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Local Arrangements

The local arrangements for the conference were handled by IDEAS S.R.L.

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Pedeciba Informática
Sponsors and Supporting Organizations

CLEI (Centro Latinoamericano de Estudios en Informática)
CSIC (Comisión Sectorial de Investigación Científica, Universidad de la República)
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Universidad ORT del Uruguay
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Referees

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Andre Arnold  Juan Garay  Libor Polák
Juan Carlos Augusto  Mark Giesbrecht  Pavel Pudlak
Valmir C. Barbosa  Eduardo Giménez  Davood Raei
Alejandro Bassi  Bernard Gittenberger  Ivan Rapaport
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Juan V. Echagüe  Petra Mutzel  Hugh Williams
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Zoltan Furedi  Jordi Petit
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