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Automata, Languages and Programming

36th International Colloquium, ICALP 2009
Rhodes, Greece, July 5-12, 2009
Proceedings, Part I

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Preface

ICALP 2009, the 36th edition of the International Colloquium on Automata, Languages and Programming, was held on the island of Rhodes, July 6–10, 2009. ICALP is a series of annual conferences of the European Association for Theoretical Computer Science (EATCS) which first took place in 1972. This year, the ICALP program consisted of the established track A (focusing on algorithms, complexity and games) and track B (focusing on logic, automata, semantics and theory of programming), and of the recently introduced track C (in 2009 focusing on foundations of networked computation).

In response to the call for papers, the Program Committee received 370 submissions: 223 for track A, 84 for track B and 63 for track C. Out of these, 108 papers were selected for inclusion in the scientific program: 62 papers for track A, 24 for track B and 22 for track C. The selection was made by the Program Committees based on originality, quality, and relevance to theoretical computer science. The quality of the manuscripts was very high indeed, and many deserving papers could not be selected.

ICALP 2009 consisted of five invited lectures and the contributed papers. This volume of the proceedings contains all contributed papers presented in track A together with the papers by the invited speakers Kurt Mehlhorn (Max-Planck-Institut für Informatik, Saarbrücken) and Christos Papadimitriou (University of California at Berkeley). A companion volume contains all contributed papers presented at the conference in track B and track C, together with the papers by the invited speakers Georg Gottlob (University of Oxford), Tom Henzinger (École Polytechnique Fédérale de Lausanne), and Noam Nisan (Google, Tel Aviv, and Hebrew University).

The following workshops were held as satellite events of ICALP 2009:

ALGOSENSORS 2009—5th International Workshop on Algorithmic Aspects of Wireless Sensor Networks

DCM 2009—5th International Workshop on Developments in Computational Models

FOCLASA 2009—8th International Workshop on Foundations of Coordination Languages and Software Architectures

QUANTLOG 2009—Workshop on Quantitative Logics 2009

We wish to thank all authors who submitted extended abstracts for consideration, the Program Committees for their scholarly effort, and all referees who assisted the Program Committees in the evaluation process.

Thanks are due to the sponsors (Ministry of National Education and Religious Affairs of Greece, Research Academic Computer Technology Institute (CTI), Piraeus Bank) for their support, and to the Research Academic

Computer Technology Institute (CTI) for the local organization. We are also grateful to all members of the Organizing Committee.

Thanks also to Andrei Voronkov for his help with the conference management system EasyChair, which was used in handling the submissions and the electronic PC meeting as well as in assisting in the assembly of the proceedings.

April 2009

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- Papasotiriou Books and more
- Google

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