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Theory and Practice of Algorithms in (Computer) Systems

First International ICST Conference, TAPAS 2011
Rome, Italy, April 18-20, 2011
Proceedings

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Preface

This volume contains the 25 papers presented at the First International ICST Conference on Theory and Practice of Algorithms in (Computer) Systems (TAPAS 2011), held in Rome during April 18-20 2011, including three papers by the distinguished invited speakers Shay Kutten, Kirk Pruhs and Paolo Santi.

In light of the continuously increasing interaction between computing and other areas, there arise a number of interesting and difficult algorithmic issues in diverse topics including coverage, mobility, routing, cooperation, capacity planning, scheduling, and power control. The aim of TAPAS is to provide a forum for the presentation of original research in the design, implementation and evaluation of algorithms. In total 45 papers adhering to the submission guidelines were submitted. Each paper was reviewed by three referees. Based on the reviews and the following electronic discussion, the committee selected 22 papers to appear in final proceedings. We believe that these papers together with the invited presentations made up a strong and varied program, showing the depth and the breadth of algorithmic research.

TAPAS 2011 was sponsored by ICST (Institute for Computer Science, Social Informatics and Telecommunications Engineering, Ghent, Belgium) and Sapienza University of Rome. Besides the sponsor we wish to thank the people from the EasyChair Conference Systems: their wonderful system saved us a lot of time. Finally, we wish to thank the authors who submitted their work, all Program Committee members for their hard work, and all reviewers who helped the Program Committee in evaluating the submitted papers.

April 2011

Alberto Marchetti-Spaccamela
Michael Segal

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