Preface


The ESA symposia are devoted to fostering and disseminating the results of high-quality research on the design and evaluation of algorithms and data structures. The forum seeks original algorithmic contributions for problems with relevant theoretical and/or practical applications and aims at bringing together researchers in the computer science and operations research communities. Papers were solicited in all areas of algorithmic research, both theoretical and experimental, and were evaluated by two Program Committees (PC). The PC of Track A (Design and Analysis) selected contributions with a strong emphasis on the theoretical analysis of algorithms. The PC of Track B (Engineering and Applications) evaluated papers reporting on the results of experimental evaluations and on algorithm engineering contributions for practical applications.

The conference received 255 submissions from 39 countries. Each submission was reviewed by at least three PC members, and carefully evaluated on quality, originality, and relevance to the conference. Overall, the PCs wrote 760 reviews with the help of 355 trusted external referees. Based on an extensive electronic discussion, the committees selected 67 papers (55 out of 209 in Track A and 12 out of 46 in Track B), leading to an acceptance rate of 26%. In addition to the accepted contributions, the symposium featured two distinguished plenary lectures by Berthold Vöcking (RWTH Aachen University) and Lars Arge (University of Aarhus and MADALGO).

The European Association for Theoretical Computer Science (EATCS) sponsored a best paper award and a best student paper award. The former went to Nikhil Bansal and Joel Spencer for their contribution titled “Deterministic Discrepancy Minimization.” The best student paper prize was awarded to Pawel Gawrychowski for his paper titled “Pattern Matching in Lempel-Ziv Compressed
Strings: Fast, Simple, and Deterministic.” Our warmest congratulations to them for these achievements.

We would like to thank all the authors who responded to the call for papers, the invited speakers, the members of the PCs, as well as the external referees and the Organizing Committee members. We also gratefully acknowledge the developers and maintainers of the EasyChair conference management system, which provided invaluable support throughout the selection process and the preparation of these proceedings. We hope that the readers will enjoy the papers published in this volume, sparking their intellectual curiosity and providing inspiration for their work.

July 2011

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