30th International Symposium on Algorithms and Computation

ISAAC 2019, December 8–11, 2019, Shanghai University of Finance and Economics, Shanghai, China

Edited by

Pinyan Lu

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Preface

This volume contains the papers presented at ISAAC 2019: The 30th International Symposium on Algorithms and Computation, held during December 8-11, 2019 at Shanghai University of Finance and Economics, in Shanghai, P. R. China. The symposium provides a forum for researchers working in algorithms and theory of computation, and brings together experts at the research frontiers in these areas to exchange ideas and to present significant new results.

The program committee, consisting of 38 professional researchers from the field, reviewed 177 submissions and decided to accept 64 among many good papers. Each paper had 3 reviews, with additional reviews solicited as needed. The review process was conducted entirely electronically via Easychair. We are grateful to Easychair for allowing us to handle the submissions and the review process and to the program committee for their insightful reviews and discussions, which made our work more smoothly.

The committee selected the following two papers as the recipients of the ISAAC 2019 Best Paper Award and Best Student Paper respectively:

- **Best Paper.** Mark de Berg, Sándor Kisfaludi-Bak and Mehran Mehr: On One-Round Discrete Voronoi Games
- **Best Student Paper.** Ahad N. Zehmakan: Two Phase Transitions in Two-way Bootstrap Percolation

Besides the regular talks, the program also included three invited talks by Wei Chen (Microsoft Research Asia, China), Xi Chen (Columbia University, USA), and Leslie Ann Goldberg (University of Oxford, UK).

We are very grateful to all the people who made this meeting possible: The authors for submitting their papers, the program committee members and external reviewers for their excellent work, and the three invited speakers. In particular, we would like to thank the Institute for Theoretical Computer science (ITCS) at Shanghai University of Finance and Economics for hosting the conference and providing organizational supports.

Oct 10, 2019
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