

Preface

The 12th International Computer Science Symposium in Russia (CSR 2017) was held during June 8–12, 2017 in Kazan, hosted by Kazan Federal University. It was the 12th event in the series of regular international meetings, following CSR 2012 in Nizhny Novgorod, CSR 2013 in Ekaterinburg, CSR 2014 in Moscow, CSR 2015 in Listvyanka, and CSR 2016 in St. Petersburg.

The opening lecture was given by Thierry Coquand (Chalmers) and five other invited plenary lectures were given by Javier Esparza (Munich), Elham Kashefi (Paris and Edinburgh), Andrew McGregor (Amherst), Ronitt Rubinfeld (MIT), and Marc Zeitoun (Bordeaux). We would like to extend our thanks to all of them.

This volume contains the accepted papers and those sent by the invited speakers. The scope of the proposed topics for the symposium is quite broad and covers a wide range of areas in theoretical computer science and its applications. We received 44 papers in total, from which the Program Committee selected 22 papers for presentation at the symposium and for publication in the proceedings. The committee met electronically over a full week and the chair wants to thank all the committee members for their availability during that intensive time and for interesting discussions. Our work would not have been possible without the generous help of over 80 additional external reviewers. To avoid conflicts of interest, the Program Committee members were asked to refrain from submitting papers to the conference.

The reviewing process relied in an essential manner on the *EasyChair* conference system created by Andrei Voronkov: It greatly improved the efficiency of the committee's work and of the logistics of producing this proceedings volume, and we are grateful for its availability.

We appreciate the support of *Kazan Federal University* and of *Yandex*. As in previous editions of the conference, Yandex generously provided the Best Paper Awards. The recipients of these awards were selected by the Program Committee.

- The Best Paper Award was split between two papers: by Alexei Miasnikov, Svetla Vassileva, and Armin Weiß, “*The Conjugacy Problem in Free Solvable Groups and Wreath Products of Abelian Groups is in TC⁰*”; and by Lukas Fleischer and Manfred Kufleitner, “*Green's Relations in Finite Transformation Groups*.”
- The Best Student Award goes to the paper by Alexey Milovanov, “*On Algorithmic Statistics for Space-Bounded Algorithms*.”

The workshop *Computation and Cryptography with qu-bits* (CCQ 2017) was co-located with CSR 2017.

Finally, we thank the local organizers for their impeccable work: Farid Ablayev (chair), Aida Gainutdinova, Anton Marchenko, Daniil Musatov, Alina Petukhova, Alexander Vasiliev, Valeria Volkova, Mansur Ziatdinov, and Marsel Sitdikov.

Computer Science – Theory and Applications
12th International Computer Science Symposium in
Russia, CSR 2017, Kazan, Russia, June 8-12, 2017,
Proceedings
Weil, P. (Ed.)
2017, X, 337 p. 30 illus., Softcover
ISBN: 978-3-319-58746-2