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Marek Cygan · Pinar Heggernes (Eds.)

Parameterized and Exact Computation

9th International Symposium, IPEC 2014
Wroclaw, Poland, September 10–12, 2014
Revised Selected Papers

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Preface

The International Symposium on Parameterized and Exact Computation (IPEC, formerly IWPEC) is an international symposium series that covers research in all aspects of parameterized and exact algorithms and complexity. Started in 2004 as a biennial workshop, it became an annual event in 2008. This volume contains the papers presented at IPEC 2014: the 9th International Symposium on Parameterized and Exact Computation held during September 10–12, 2014, in Wrocław, Poland. The symposium was part of ALGO 2014, which also hosted six other workshops and symposia, including the Annual European Symposium on Algorithms (ESA 2014). The seven previous meetings of the IPEC/IWPEC series were held in Bergen, Norway (2004), Zürich, Switzerland (2006), Victoria, Canada (2008), Copenhagen, Denmark (2009), Chennai, India (2010), Saarbrücken, Germany (2011), Ljubljana, Slovenia (2012), and Sophia Antipolis, France (2013).

The invited plenary talk was given by Hans Bodlaender (Utrecht University) on “Lowerbounds for Kernelization.” The keynote speaker, together with coauthors, Rodney G. Downey, Michael R. Fellows, Danny Hermelin, Lance Fortnow, and Rahul Santhanam, were awarded the EATCS-IPEC Nerode Prize 2014 for outstanding papers in the area of multivariate algorithmics. These proceedings contain an extended abstract of the invited talk. Additionally, a tutorial on “Backdoors, Satisfiability, and Problems Beyond NP” was given by Stefan Szeider (Vienna University of Technology). We thank the speakers for accepting our invitation.

In response to the call for papers, 42 papers were submitted. Each submission was reviewed by at least three reviewers. The reviewers were either Program Committee members or invited external reviewers. The Program Committee held electronic meetings using the EasyChair system, went through extensive discussions, and selected 27 of the submissions for presentation at the symposium and inclusion in this LNCS volume.

We would like to thank the Program Committee, together with the external reviewers, for their commitment in the difficult paper selection process. We also thank all the authors who submitted their work for our consideration. Finally, we are grateful to the local organizers of ALGO, in particular to Marcin Bieńkowski and Jarek Byrka, for the effort they put to make chairing IPEC an enjoyable experience.

September 2014

Marek Cygan
Pinar Heggernes

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