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Parameterized and Exact Computation

6th International Symposium, IPEC 2011
Saarbrücken, Germany, September 6-8, 2011
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 2011: the 6th International Symposium on Parameterized and Exact Computation held during September 6–8, 2011 in Saarbrücken. The symposium was part of ALGO 2011, which also hosted the 19th European Symposium on Algorithms (ESA 2011), the 11th Workshop on Algorithms for Bioinformatics (WABI 2011), the 11th Workshop on Algorithmic Approaches for Transportation Modelling, Optimization, and Systems (ATMOS 2011), the 9th Workshop on Approximation and Online Algorithms (WAOA 2011), and the 7th International Symposium on Algorithms for Sensor Systems, Wireless Ad Hoc Networks and Autonomous Mobile Entities (ALGOSENSORS). The five previous meetings of the IPEC/IWPEC series were held in Bergen, Norway (2004), Zürich, Switzerland (2006), Victoria, Canada (2008), Copenhagen, Denmark (2009), and Chennai, India (2010).

The IPEC 2011 plenary keynote talk was given by Martin Grohe (Humboldt-Universität zu Berlin) on “Excluding Topological Subgraphs.” We had two additional invited tutorial speakers: Hans L. Bodlaender (Utrecht University, The Netherlands) speaking on kernels and Fedor V. Fomin (University of Bergen, Norway) speaking on width measures. We thank the speakers for accepting our invitation.

In response to the call for papers, 40 papers were submitted. Each submission was reviewed by at least three, and on average 3.8, 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 21 of the submissions for presentation at the symposium and inclusion in this LNCS volume. The Program Committee decided to award the Excellent Student Paper Award to the paper “A Faster Algorithm for Dominating Set Analyzed by the Potential Method” by Yoichi Iwata (The University of Tokyo). We thank Frances Rosamond for sponsoring the award.

We are very grateful to the Program Committee, and the external reviewers they called on, for the hard work and expertise which they brought to the difficult selection process. We also wish to thank all the authors who submitted their work for our consideration.

October 2011

Dániel Marx
Peter Rossmanith

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