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Parameterized and Exact Computation

Second International Workshop, IWPEC 2006
Zürich, Switzerland, September 13-15, 2006
Proceedings

Springer

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Preface

The Second International Workshop on Parameterized and Exact Computation (IWPEC) was held in Zürich, Switzerland, during September 13–15, 2006. It was organized as a component of ALGO 2006, which also hosted the 14^{th} Annual European Symposium on Algorithms, the 6^{th} Workshop on Algorithms in Bioinformatics, the 4^{th} Workshop on Approximation and Online Algorithms, and the 6^{th} Workshop on Algorithmic Methods and Models for Optimization of Railways.

This meeting was the second in the IWPEC series, with the first having been held in Bergen, Norway, during September 14–16, 2004. The field continues to experience rapid growth, in part due to its appeal as an alternative to traditional complexity theory, and in part due to the powerful practical applications it has spawned. IWPEC events are intended to cover research in all aspects of parameterized and exact computation and complexity, including but not limited to new techniques for the design and analysis of parameterized and exact algorithms, parameterized complexity theory, relationships between parameterized complexity and traditional complexity, applications of parameterized and exact computation, implementation issues and high-performance computing. A major goal is to disseminate the latest research results, including significant work-in-progress, and to identify, define and explore directions for future study.

The papers accepted for presentation and printed in these proceedings represent a diverse spectrum of the latest developments on parameterized and exact algorithm design, analysis, application and implementation. We hope that you will read them, and that you find the time spent a rewarding experience. Each submission was thoroughly reviewed by at least three members of the IWPEC 2006 Program Committee. We are certain that many of them will find their way to archival journal publication in more complete and polished form. We wish to thank all authors for contributing their work for review. Many more meritable papers were submitted than can be accommodated in the schedule. In addition, three invited lectures were given by leading experts in the field of parameterized and exact computation: Frank Dehne, Uwe Schöning, and Michael Fellows.

It has been a privilege to serve as Program Committee Co-chairs. Assembling this slate of first-rate papers would not have been possible without the tireless and professional efforts of the remainder of the IWPEC 2006 Program Committee, who are:

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We also wish to acknowledge the assistance of the numerous external reviewers who have been an immense technical help during committee deliberations.

Zürich, Switzerland
September 2006

Hans Bodlaender and
Michael A. Langston

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