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Volume Editor

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Preface

This volume contains the papers presented at SWAT 2010, the 12th Scandinavian Symposium on Algorithm Theory. Since 1988 SWAT has been held biennially in the Nordic countries; it has a loose association with WADS (Workshop on Algorithms and Data Structures) that is held on odd-numbered years in North America. This 12th SWAT was held during June 21–23, at the University of Bergen in Norway.

The conference focuses on algorithms and data structures. The call for papers invited contributions in all areas of algorithms and data structures, including approximation algorithms, computational biology, computational geometry, distributed algorithms, external-memory algorithms, graph algorithms, online algorithms, optimization algorithms, parallel algorithms, randomized algorithms, string algorithms and algorithmic game theory. A total of 78 papers were submitted, out of which the Program Committee selected 36 for presentation at the symposium. In addition, invited lectures were given by Sanjeev Arora from Princeton University, Prabhakar Raghavan from Yahoo! Research Labs, and Dana Randall from Georgia Institute of Technology.

We would like to thank all the people who contributed to making SWAT 2010 a success. In particular, we thank the Program Committee and all of our many colleagues who helped the committee evaluate the submissions. We also thank the Norwegian Research Council and the University of Bergen for their support.

April 2010

Haim Kaplan

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