

Preface

This volume contains revised versions of papers presented at the 26th International Workshop on Combinatorial Algorithms (IWOCA 2015), held October 5–7, 2015, in Verona, Italy.

IWOCA 2015 continued a long and well-established tradition of encouraging high-quality research in theoretical computer science and providing an opportunity to bring together specialists and young researchers working in the area. The IWOCA conference series grew out of a 17-year history of the Australasian Workshop on Combinatorial Algorithms (AWOCA). Previous AWOCA and IWOCA meetings have been held in Australia, Indonesia, South Korea, Japan, Czech Republic, Canada, UK, India, France, and the USA.

We solicited high-quality papers in the broad area of combinatorial algorithms. Topics included: algorithms and data structures (including sequential, parallel, distributed, approximation, probabilistic, randomized, and on-line algorithms); algorithms on strings and graphs; applications (bioinformatics, music analysis, networking, and others); combinatorics on words; combinatorial enumeration; combinatorial optimization; complexity theory; computational biology; compression and information retrieval; cryptography and information security; decompositions and combinatorial designs; discrete and computational geometry; graph drawing and labelling; graph theory.

The Program Committee decided to accept 30 papers, out of a total of 90 submissions. One paper was later withdrawn by the authors. Each submission received at least three, and at most seven reviews. Papers were submitted and reviewed using the EasyChair online system. Authors of accepted papers come from 19 countries, on four continents (Asia, Europe, North America, South America).

The scientific program included three invited lectures, given by:

- Béla Bollobás on “Monotone Cellular Automata”
- Frank Ruskey on “Recent Results about Venn Diagrams”
- Esko Ukkonen on “Identifiability of a String from Its Substrings”

We thank the invited speakers for accepting our invitation and for their excellent presentations at the conference.

The program also included an open problem session, chaired by Martin Milanič and Romeo Rizzi, where seven open problems were presented. These can be found at the open problem collection of IWOCA at <http://iwoca.org>. This year for the first time, we had a Best Student Paper Award, sponsored by the European Association for Theoretical Computer Science (EATCS). The Program Committee decided to assign this award to the paper “The k -Leaf Spanning Tree Problem Admits a Klam Value of 39” by Meirav Zehavi.

We thank all authors who submitted their work for consideration to IWOCA 2015. We wish to thank the Program Committee and the 153 external reviewers, whose many

thorough reviews helped us select the papers to be presented at IWOCA 2015. The success of the scientific program is due to their hard work.

We also thank the EATCS (European Association for Theoretical Computer Science), the EATCS Italian Chapter, and the AICA (Associazione Italiana per l'Informatica ed il Calcolo Automatico), for their support of the conference.

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