

# Preface

This volume contains the revised selected papers presented at WAOA 2016: the 14th Workshop on Approximation and Online Algorithms held during August 25–26, 2016, in Aarhus. WAOA 2016 focused on the design and analysis of approximation and online algorithms. These algorithms have become a fundamental tool in several fields and in many applications that cope with computationally hard problems and problems in which the input is gradually disclosed over time.

WAOA 2016 was part of ALGO 2016, which also hosted ESA, ALGOCLOUD, ALGOSENSORS, ATMOS, IPEC, and MASSIVE. The previous WAOA workshops were held in Budapest (2003), Rome (2004), Palma de Mallorca (2005), Zurich (2006), Eilat (2007), Karlsruhe (2008), Copenhagen (2009), Liverpool (2010), Saarbrücken (2011), Ljubljana (2012), Sophia Antipolis (2013), Wrocław (2014), and Patras (2015). The proceedings of all these previous WAOA workshops have been published as LNCS volumes.

Topics of interest for WAOA 2016 were: coloring and partitioning, competitive analysis, network design, packing and covering, paradigms for design and analysis of approximation and online algorithms, randomization techniques, real-world applications, and scheduling problems.

In response to the call for papers, we received 33 submissions. Each submission was reviewed by at least three referees, and mainly judged on originality, technical quality, and relevance to the topics of the conference. Based on the reviews, the Program Committee selected 16 papers. This volume contains final revised versions of these papers. In addition to the accepted contributions, the workshop featured two invited lectures by Marek Cygan (University of Warsaw, Poland) and Ronald de Wolf (CWI and University of Amsterdam, The Netherlands). Contributions of the invited lectures are also included in this volume. We are grateful to both of them for accepting our invitation and for their very nice lectures.

The EasyChair conference system was used to manage the electronic submissions, the review process, and the electronic Program Committee meeting. It made our task much easier. We wish to thank all the authors who submitted papers for consideration, the invited speakers, the members of the Program Committee for their work, and all the external reviewers who assisted the Program Committee in the evaluation process. Special thanks go to the local Organizing Committee, who helped us with the organization of the workshop.

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