

Preface

The 12th Workshop on Approximation and Online Algorithms (WAOA 2014) focused on the design and analysis of algorithms for online and computationally hard problems. Both kinds of problems have a large number of applications from a variety of fields. WAOA 2014 took place in Wrocław, Poland, during September 11–12, 2014. The workshop was part of the ALGO 2014 event that also hosted ESA, ALGOSENSORS, ATMOS, IPEC, MASSIVE, and WABI. 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), and Sophia Antipolis (2013). The proceedings of these previous WAOA workshops have appeared as LNCS volumes.

Topics of interest for WAOA 2014 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 49 submissions. Each submission was reviewed by at least three referees. The submissions were mainly judged on originality, technical quality, and relevance to the topics of the conference. Based on the reviews, the Program Committee selected 22 papers.

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