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Alex Zelikovsky
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Preface

The 20th International Computing and Combinatorics Conference (COCOON 2014) was held during August 4–6, 2014 in Atlanta, Georgia, USA. COCOON 2014 provided a forum for researchers working in the area of theoretical computer science and combinatorics.

The technical program of the conference includes 51 contributed papers selected by the Program Committee from 110 full submissions received in response to the call for papers. All the papers were peer reviewed by at least three Program Committee members or external reviewers. The papers cover various topics, including algorithms and data structures, algorithmic game theory, approximation algorithms and online algorithms, automata, languages, logic, and computability, complexity theory, computational learning theory, cryptography, reliability and security, database theory, computational biology and bioinformatics, computational algebra, geometry, number theory, graph drawing and information visualization, graph theory, communication networks, optimization, and parallel and distributed computing. Some of the papers will be selected for publication in special issues of Algorithmica, Theoretical Computer Science (TCS), and Journal of Combinatorial Optimization (JOCO). It is expected that the journal version papers will appear in a more complete form.

The proceeding also includes 8 papers selected from a workshop on computational social networks (CSoNet 2014) co-located with COCOON 2014, held on August 6th, 2014. An independent Program Committee was chaired by Dr. Yingshu Li and Dr. Yu Wang. We appreciate the work by the CSoNet Program Committee that helped with enriching the conference topics.

We would like to thank the Program Committee members and external reviewers for volunteering their time to review conference papers. We would like to extend special thanks to the publication, publicity, and local organization chairs for their hard work in making COCOON 2014 a successful event. Last but not least, we would like to thank all the authors for presenting their works at the conference.

August 2014

Zhipeng Cai
Alex Zelikovsky
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