

COCOA'07 Call for Papers

The 1st Annual International Conference on Combinatorial Optimization and Applications (COCOA'07) will be held during August 12–15, 2007, in Xi'an, Shaanxi, China. Original research papers in the areas of combinatorial optimization and its applications are solicited. In addition to theoretical results, we are particularly interested in submissions that report on experimental and applied research of general algorithmic interest. Special consideration will be given to research that is motivated by real-world problems. Experimental and applied papers are expected to show convincingly the usefulness and efficiency of the algorithms discussed in a practical setting. After the conference, some selected papers will be published as a special issue in the *Journal of Combinatorial Optimization*. Typical, but not exclusive, topics of interest include:

- Algorithms and data structures
- Approximation Algorithms
- Computational Algebra, Geometry and Number Theory
- Computational Biology and bioinformatics
- Computational Financing
- Computational Game Theory
- Computational Learning Theory
- Extreme graph theory
- Graph theory, communication networks
- Network Flow
- Network Optimization Problems
- Operation Research
- Optimal Resource Management
- Parallel and distributed computing
- Scheduling

Submissions: COCOA'07 will only accept electronic submissions through the EasyChair submission system. The detailed instructions can be checked <http://www.easychair.org/COCOA07>. A submission should start with the title of the paper, the author's name, affiliation, and e-mail address, and a short abstract summarizing the main results of the paper. This should be followed by a scholarly exposition of the ideas, techniques, and a full description of the results achieved. A clear indication of the motivation and comparison with prior or related work should be presented. The paper should not exceed 10 pages using 11 point or larger font. Submissions that deviate significantly from these guidelines and electronic submissions that are unprintable or formatted for paper size other than 8.5×11 inch paper risk rejection without consideration of their merits.

The proceedings of the conference will be published by Springer in the Lecture Notes of Computer Science series.

Invited Speakers: Bailin Hao (CAS, China) and Kurt Mehlhorn (MPI, Germany).

Program Committee co-Chairs:

- Andreas Dress (Bielefeld University, Germany)
- Yinfeng Xu (Xi'an Jiaotong University, China)
- Binhai Zhu (Montana State University, USA)

Program Committee Members:

- Tetsuo Asano (JAIST, Japan)
- Kyung-Yong Chwa (KAIST, Korea)
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Andy Mirzaian (York University, Canada)
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My T. Thai (University of Florida, USA)
Kanliang Wang (Xi'an Jiaotong University, China)
Michael Waterman (University of Southern California, USA)
Gerhard Woeginger (Eindhoven University of Technology, Netherlands)
Boting Yang (University of Regina, Canada)
Wenan Zang (HKU, Hong Kong)
Alex Zelikovsky (Georgia State University, USA)

Local Organizers:

Kanliang Wang (Xi'an Jiaotong University, China)
Yinfeng Xu (Xi'an Jiaotong University, China)
Binhai Zhu (Montana State University, USA)

Important Dates:

Submission of Papers: **March 9, 2007**
Notification of Acceptance: **April 21, 2007**
Final Version: **May 4, 2007**

Location: The conference Web site <http://www.cs.montana.edu/cocoa07> provides more information about the conference.

Email: Please email to cocoa07@cs.montana.edu for any relevant question.