

COCOON 2006 Call for Papers

The 12th Annual International Computing and Combinatorics Conference
(COCOON 2006)

August 15-18, 2006
Taipei, Taiwan

<http://www.iis.sinica.edu.tw/cocoon06>

The 12th Annual International Computing and Combinatorics Conference (COCOON'06) will be held on Aug 15-18, 2006, in Taipei, Taiwan. Original research papers in the areas of theoretical computer science and combinatorics related to computing are solicited. In addition to theoretical results, we are particularly interested in results that report on experimental and applied research of general algorithmic interest. Special considerations will be given to algorithmic research that is motivated by real-world applications. Experimental and applied papers are expected to show convincingly the usefulness and efficiency of the algorithms discussed in a practical setting. Typical, but not exclusive, topics of interest include:

Algorithms and data structures;
Algorithmic game theory and online algorithms;
Automata, languages, logic, and computability;
Bioinformatics and computational biology;
Combinatorics related to algorithms and complexity;
Complexity theory;
Computational algebra, geometry, and number theory;
Computational learning theory and knowledge discovery;
Cryptography, reliability and security, and database theory;
Graph drawing and information visualization;
Graph theory, communication networks, and optimization;
Parallel and distributed computing;
Experimental analysis of algorithms

Submissions:

The submission deadline is Feb. 20, 2006. COCOON'06 will only accept electronic (PS, PDF) submissions. For on-line submission, please go to <http://www.iis.sinica.edu.tw/cocoon06> for detailed instructions on submissions.

An e-mail will be sent to you to confirm the receipt of your submission within 24 hours. If you have any problem or question on submissions, please send your emails to cocoon06@iis.sinica.edu.tw.

A submission should start with the title of the paper, each author's name, affiliation, and e-mail address, and a one-paragraph summary of the results. 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, excluding bibliography and appendices, on letter-size paper using 11 point or larger font.

Submissions that deviate significantly from these guidelines or are unprintable risk rejection without consideration of their merits.

The proceedings of the conference will be published by Springer-Verlag in the Lecture Notes in Computer Science series, and will be available for distribution at the conference.

Invited Speakers:

[Mike Atallah](#) (Purdue University, USA)

[Franco Preparata](#) (Brown University, USA)

Special Issue:

High quality papers will be invited to a special issue in *Algorithmica*, and in *International Journal of Computational Geometry and Applications*, respectively.

Important Dates:

Submission of Papers: February 20, 2006
Notification of Acceptance/Rejection: April 17, 2006
Final Camera-ready Version Due: May 12, 2006
Conference: August 15-18, 2006

Program Committee:

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Location:

The conference will be held in Taipei, Taiwan on August 15-18, 2006.

Further Information:

The conference web site <http://www.iis.sinica.edu.tw/cocoon06> provides more information about the conference.

For any questions, e-mail to cocoon06@iis.sinica.edu.tw