

## Call for Papers

# The 4th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2010)

December 18-20, 2010, The Big Island, Hawaii, USA

<http://theory.utdallas.edu/COCOA2010/>

The 4th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2010) will be held during December 18-20, 2010 in The Big Island, Hawaii, USA. 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.

### **Topics**

The topics include, but are not limited to:

- Algorithms and Data Structures
- Approximation Algorithms
- Bioinformatics
- Communication Networks
- Computational Algebra
- Computational Biology
- Computational Financing
- Computational Game Theory
- Computational Geometry
- Computational Learning Theory
- Computational Number Theory
- Extremal Graph Theory
- Graph Searching
- Graph Theory
- Network Flow
- Network Optimization Problems
- Operation Research
- Optimal Resource Management
- Parallel and Distributed Computing
- Scheduling

### **Important Dates**

(Extended) Submission deadline: July 15, 2010

Notification of acceptance: August 15, 2010

Camera-ready submission: September 1, 2010

### **General co-Chairs**

Ding-Zhu Du (University of Texas at Dallas, USA)

Bhavani Thuraisingham (University of Texas at Dallas, USA)

### **Program Committee co-Chairs**

Ovidiu Daescu (University of Texas at Dallas, USA)

Weili Wu (University of Texas at Dallas, USA)

### **Organizing Committee Chairs**

#### **Webmaster and OCS co-Chairs:**

Donghyun Kim (University of Texas at Dallas, USA)

Jiaofei Zhong (University of Texas at Dallas, USA)

#### **Publicity co-Chairs:**

Donghyun Kim (University of Texas at Dallas, USA)

Hang Nguyen (University of Texas at Dallas, USA)

### **Paper Submission**

The submission should contain a scholarly exposition of ideas, techniques, and results, including motivation and a clear comparison with related work. The length of the submission should not exceed **twelve pages** in LNCS style. Submitted papers must describe work not previously published. They must not be submitted simultaneously to another conference with refereed proceedings or to a journal. We regard the following case as a simultaneous submission. Submission of drafts which contain the essentially same results from papers under review in other conferences or journals at the moment of the submission. Only electronic submission (pdf) will be allowed via the [Springer Online Conference System \(OCS\)](#).

### **Publication**

The conference proceedings will be published by Springer-Verlag in the **Lecture Notes in Computer Science** series. After the conference, some selected papers will be published in special issues of the **Journal of Combinatorial Optimization, Theoretical Computer Science, and Discrete Mathematics, Algorithms and Applications**.

### **Awards**

The Best Paper and the Best Student Paper will be awarded. A paper is eligible for the Best Student Paper if all authors are full-time students at the time of submission. To indicate that a submission is eligible, please add the phrase "Eligible for best student paper" as the last sentence in the "Abstract" field in the web form on the submission server as well as in the paper.

**Contact:** [cocoa10.chairs@gmail.com](mailto:cocoa10.chairs@gmail.com)