CALL FOR PAPERS

Tenth Conference on Integer Programming and Combinatorial Optimization

IPCO New York '04

June 9-11, 2004

Columbia University, New York City, USA

SPONSORED BY

The Mathematical Programming Society
Columbia University

CONFERENCE FOCUS

This meeting, the tenth in the series of IPCO conferences, is a forum
for researchers and practitioners working on various aspects of integer
programming and combinatorial optimization. The aim is to present recent
developments in theory, computation, and applications of integer
programming and combinatorial optimization.

Topics include, but are not limited to:

* integer programming
* polyhedral combinatorics
* cutting planes
* branch-and-cut
* lift-and-project
* semidefinite relaxations
* geometry of numbers
* computational complexity
* network flows
* matroids and submodular functions
* 0,1 matrices
* approximation algorithms
* scheduling theory and algorithms

In all these areas, we welcome structural and algorithmic results,
revealing computational studies, and novel applications of these
techniques to practical problems. The algorithms studied may be
sequential or parallel, deterministic or randomized.

During the three days, approximately thirty papers will be presented, in a series of sequential (non-parallel) sessions. Each lecture will be thirty minutes long. The program committee will select the papers to be presented on the basis of extended abstracts to be submitted as described below.

The proceedings of the conference will be published by Springer as a Lecture Notes in Computer Science volume, and will contain full texts of all presented papers. Copies will be provided to all participants at registration time.

PROGRAM COMMITTEE

George Nemhauser, Chair
Egon Balas
Daniel Bienstock
Bob Bixby
William Cook
Gerard Cornuejols
William Cunningham
Bert Gerards
Ravi Kannan
William Pulleyblank
Laurence A. Wolsey

PAPER SUBMISSION

An extended abstract (up to 10 double-spaced pages) must be submitted by NOVEMBER 14, 2003. Electronic submissions are encouraged. Papers must be typeset in Latex in US letter size (11 x 8.5 in). Please refer to the Conference Web Site for further submission instructions.

If an electronic submission is not possible, submit 11 copies by regular mail. Your submission must include author's name, affiliation, and e-mail address.

Authors will be notified of acceptance or rejection by JANUARY 31, 2004. The final full version of the accepted paper, for inclusion in the conference proceedings, is due by MARCH 31, 2004.

Papers in the proceedings will not be refereed, and it is
expected that revised versions will subsequently be submitted
for publication in appropriate journals.

SUMMER SCHOOL

In conjunction with IPCO we will be holding an IPCO Summer School
where distinguished speakers present topics at length. The Summer
School will be held June 7-8, 2004 and will focus on topics at
the intersection of Computer Science, Economics and Operations
Research. The speakers will be:

Joan Feigenbaum, Yale University
Tim Roughgarden, Cornell University
Rakesh Vohra, Northwestern University

CONFERENCE VENUE

The meeting will be held at Columbia University, New York City,
USA. During June the weather in New York is generally quite
pleasant, sunny and warm, and opportunities for recreation abound.
2004 will also be the 250th anniversary of the founding of Columbia
University, which will be marked by celebrations throughout the year.

CONTACT ADDRESS

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