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* Submission deadline extended to December 8, 2011 *
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2nd International Symposium on Combinatorial Optimization (ISCO 2012)
April 19-21, 2012

Spring School
"Mathematical Programming and Design of Approximation Algorithms"
April 17-18, 2012

Athens University of Economics and Business,
Athens, Greece

<http://isco12.cs.aueb.gr/>
isco12@cs.aueb.gr

ISCO is a new biannual symposium with its first issue held in Hammamet, Tunisia in March 2010. The symposium aims to bring together researchers from all the communities related to combinatorial optimization, including algorithms and complexity, mathematical programming and operations research. It is intended to be a forum for presenting original research in these areas and especially in their intersections. Quality papers on all aspects of combinatorial optimization, from mathematical foundations and theory of algorithms to computational studies and practical applications, are solicited.

Spring School

ISCO 2012 will be preceded by a spring school on "Mathematical Programming and Design of Approximation Algorithms". David Shmoys and David Williamson will give 16 hours of lectures on April 17-18, 2012.

Invited Speakers

Giorgio Ausiello, Università di Roma "La Sapienza"
Christos Papadimitriou, UC Berkeley
George Nemhauser, Georgia Tech
Paolo Toth, Università di Bologna

Important Dates

Submissions deadline: ~~December 1, 2011~~ December 8, 2011
Notification of authors: January 30, 2012
Early registration deadline: February 24, 2012
Spring School: April 17-18, 2012
Conference: April 19-21, 2012
Camera ready version: May 4, 2012

Submission - Proceedings

The submission deadline is Thursday ~~December 1, 2011~~ December 8, 2011.

Paper submission will be handled only via EasyChair:

<https://www.easychair.org/conferences/?conf=isco2012>

Papers presenting original unpublished results in all areas of combinatorial optimization and its applications are welcome. Topics of interest include, but are not limited to:

- Approximation algorithms
- Branch-and-bound algorithms
- Branch-and-cut-and-price algorithms
- Computational biology
- Computational complexity
- Computational geometry
- Constraint Programming
- Cutting plane algorithms
- Exact and parameterized algorithms
- Graph and network algorithms
- Interior point methods
- Linear and nonlinear integer programming
- Local search algorithms
- Metaheuristics
- On-line algorithms
- Polyhedral combinatorics
- Randomized algorithms
- Scheduling algorithms

There will be two types of submissions:

a) Regular papers

They should be of at most 12 pages, including front matter and bibliography, in LNCS style (see <http://www.springer.de/comp/lncs/authors.html>). Proofs omitted due to space constraints should be included in a clearly marked appendix which will be taken into account by the program committee members and the reviewers, but it will not be published in the proceedings. Simultaneous submission to other conferences with published proceedings or journals is not allowed.

Accepted regular papers will be published by Springer-Verlag in the Lecture Notes in Computer Science (LNCS) series in a post-conference proceedings volume. For a paper to be included in this volume, it should be presented at the conference by one of the authors. The authors will have to prepare their camera-ready version two weeks after the end of ISCO 2012.

b) Short papers

They should be of at most 4 pages (including front matter and bibliography) with no optional appendix. Accepted short papers will be included in a volume of local proceedings.

Special issues

A special issue of Mathematical Programming Series B on Combinatorial optimization will be associated with the conference. See [here](#) for the CFP.

Another special issue of a journal in the area of combinatorial optimization algorithms is also planned.

Program Committee

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Registration - Fees

	Early up to 24/02/12	Late from 25/02/12
ISCO 2012 Regular	360€	480€
ISCO 2012 Student	200€	280€
Spring School (for all)	10€	20€

The Registration fees include:

- Welcome reception (on April 18th)
- Coffee breaks
- Conference final program
- Conference proceedings
- Conference social events and dinner

The Spring School fee applies for administrative purposes only.