Latin-American Conference on Combinatorics, Graphs and Applications

Santiago, CHILE
August 16-20, 2004

http://www.dii.uchile.cl/~lacga04/

Second announcement – Call for papers

Organization:

- Department of Industrial Engineering, U. of Chile
- Department of Mathematical Engineering, U. of Chile

Sponsored by:

- Millennium Science Nucleus "Complex Engineering Systems" and "Information and Randomness", Chile
- Centre for Mathematical Modeling, U. of Chile

About the Conference:

This meeting is a forum for researchers and practitioners working on various aspects of combinatorial optimization, integer programming, linear programming and graph theory. It will be held in the Centre for Mathematical Modeling, University of Chile, Santiago, Chile. The official language will be English.

The aim of the Conference is to present recent advances in theory, computation, and applications of these areas, in order to contribute to an important development of these topics in our region.

Conference Themes:

Themes and application areas include, but are not limited to, the following topics:

- Combinatorial optimization and computational complexity: linear, integer, mixed and stochastic programming; multicriteria optimization; approximation algorithms; coding theory and cryptology; 0-1 matrices; metaheuristics.
- Graph theory and matroids: algorithms; network flows; random graphs; intersection graphs; perfect graphs.
- Applications of OR: biology; finance and economics; scheduling; forestry; supply chain management; logistics; location; airlines; telecommunications; transportation; vehicle routing; production planning; queuing and inventory.

Deadline for Submissions and Author Notification:

Submissions are due March 31st, 2004. Extended abstracts must not exceed 6 pages and should be sent in postscript or PDF files to lacga04@dii.uchile.cl. A special volume of the **Electronic Notes in Discrete Mathematics** will be dedicated to accepted extended abstracts. Acceptance/rejection notices will be sent to authors via e-mail by May 31st, 2004.
Selected refereed papers from the conference will appear in a special issue of **Discrete Applied Mathematics**.

Invited Speakers (confirmed):

Francisco Barahona (IBM, USA)
Robert Bixby (Rice University, USA)
John Adrian Bondy (Université Lyon 1, France)
Sebastián Ceria (Axioma Finance, USA)
Maria Chudnovsky (Princeton University, USA)
Roberto Cominetti (University of Chile, Chile)
Michele Conforti (University of Padova, Italy)
Gerard Cornuéjols (Carnegie Mellon University, USA)
Rafael Epstein (University of Chile, Chile)
Marcos Kiwi (University of Chile, Chile)
Yoshiharu Kohayakawa (USP, Brazil)
Thomas Liebling (EPFL, Switzerland)
Abílio Lucena (UFRJ, Brazil)
Nelson Maculan (UFRJ, Brazil)
Denis Naddef (ENSIMAG, France)
Dominique Perrin (Univ. Marne-la-Vallée, France)
Alain Prodon (EPFL, Switzerland)
Jaime San Martín (University of Chile, Chile)
Jayme Szwarcfiter (UFRJ, Brazil)
Andrés Weintraub (University of Chile, Chile)

Program Committee:

Thomas Liebling (EPFL, Switzerland), Chair.
Dominique Perrin (Univ. Marne-la-Vallée, France), Chair.
Francisco Barahona (IBM, USA)
Sebastián Ceria (Axioma Finance, USA)
Yoshiharu Kohayakawa (USP, Brazil)
Martin Loebl (Charles University, Czech Republic)
Nelson Maculan (UFRJ, Brazil)
Servet Martínez (University of Chile, Chile)
Jayme Szwarcfiter (UFRJ, Brazil)
Andrés Weintraub (University of Chile, Chile)

Organizing Committee:

Guillermo Durán (University of Chile, Chile), Chair.
Martín Matamala (University of Chile, Chile), Chair.
Pablo Rey (University of Chile, Chile), Secretary.

Flavia Bonomo (University of Buenos Aires, Argentina)
Eduardo Moreno (University of Chile, Chile)
Paula Zabala (University of Buenos Aires, Argentina)

Registration:

Registration is not open yet. The fees are U\$D 150 and U\$D 75 for students. We recommend to pay the registration fees by the time of the conference.