



## IV Latin-American Algorithms, Graphs and Optimization LAGO'07

Puerto Varas, CHILE  
November 25-29, 2007

<http://www.dii.uchile.cl/~lago07/>

### First announcement – Call for papers

#### Organization:

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

#### Sponsored by:

- Millennium Science Nucleus "Complex Engineering Systems", Chile
- Anillo "Networks in Mathematics and Engineering Sciences", Chile

#### About the Conference:

LAGO - Latin-American Algorithms, Graphs and Optimization, is the union of two Latin American Conferences on these subjects: the GRACO - Brazilian Symposium on Graphs, Algorithms and Combinatorics and the LACGA - Latin American Conference on Combinatorics, Graphs and Applications.

The first GRACO was held in Fortaleza, Brazil, in 2001, and the second GRACO was in Angra dos Reis, Rio de Janeiro, Brazil, 2005. The LACGA was held in Santiago, Chile, in 2004. The format of these meetings was similar. The proceedings of the accepted papers were published in Electronic Notes in Discrete Mathematics: Volume 7, for the first GRACO, Volume 19 for the second GRACO, and Volume 18 for LACGA. Besides, special editions of Discrete Applied Mathematics were dedicated to these events: Volume 141 for the first GRACO, Volume 154 (13) for LACGA while the publication relative to the second GRACO is due to appear in the near future.

#### Conference Themes:

Themes include, but are not limited to, the following AMS classification:

- analysis of algorithms; approximation algorithms; randomized algorithms;
- combinatorial optimization; integer programming; polyhedral combinatorics; operational research and management science;
- clique, dominating and independent sets; coloring of graphs; covering, factorization, matching, and packing; directed graphs; distance in graphs; graphs algorithms; graphs and matrices; graph representation; perfect graphs; random graphs; topological graph theory.

#### Deadline for Submissions and Author Notification:

Submissions are due **May 31st, 2007**. A special volume of the **Electronic Notes in Discrete Mathematics** will be dedicated to accepted extended abstracts. Authors are invited to submit an extended abstract to [lago07@dii.uchile.cl](mailto:lago07@dii.uchile.cl) (up to 6 pages). Instructions for submissions may be obtained in ENDM web page ([www.elsevier.com/locate/endm](http://www.elsevier.com/locate/endm)). Acceptance/rejection notices will be sent to authors via e-mail by August 15th, 2007. Selected refereed papers from the conference will appear in a special issue of **Discrete Applied Mathematics**.

#### LAGO Steering Committee:

Thomas Liebling (EPFL, Switzerland)  
Jayme Szwarcfiter (UFRJ, Brazil)

#### Invited Speakers:

Maria Chudnovsky (Columbia University, USA)  
William Cook (Georgia Institute of Technology, USA)  
Dominique De Werra (EPFL, Switzerland)  
Fedor Fomin (University of Bergen, Norway)  
Michel Goemans (MIT, USA)  
Ken-ichi Kawarabayashi (Tohoku University, Japan)  
Ross McConnell (Colorado State University, USA)  
François Margot (Carnegie Mellon University, USA)  
Alexander Schrijver (CWI, Netherlands)  
Robin Thomas (Georgia Institute of Technology, USA)  
Stéphan Thomassé (University of Lyon 1, France)  
Annegret Wagler (University of Magdeburg, Germany)  
Laurence Wolsey (CORE-UCL, Belgium)

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Gelasio Salazar (UASLP, Mexico)  
Cid Carvalho de Souza (UNICAMP, Brazil)  
Nicolás Stier (Columbia University, USA)  
Yoshiko Wakabayashi (USP, Brazil)  
Andrés Weintraub (University of Chile, Chile)

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