

CALL FOR PAPERS

LAGOS'09

V Latin-American Algorithms, Graphs and Optimization Symposium

<http://www.inf.ufrgs.br/lagos09>

Gramado (Rio Grande do Sul), Brazil - November 3-7, 2009

About the Symposium:

LAGOS - Latin-American Algorithms, Graphs and Optimization Symposium, 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 first unified LAGOS (IV LAGOS) was held in Puerto Varas, Chile, 2007. 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, Volume 18 for LAGCA, and Volume 30 for the IV LAGOS. Besides, special editions of Discrete Applied Mathematics were dedicated to these events: Volume 141 for the first GRACO, Volume 154 (13) for LACGA, and Volume 156 (7) for the second GRACO. The publication relative to the IV LAGOS is due to appear soon.

Conference themes:

Papers presenting new and original research on the following (and related) topics are sought:

- algorithms and data structures
- analysis of algorithms
- approximation algorithms
- combinatorial optimization
- complexity
- computational biology
- cryptography
- enumerative combinatorics
- graph theory
- mathematical programming
- operations research
- order theory
- polyhedral combinatorics
- randomized algorithms

Organization:

II-UFRGS (Institute of Informatics, Federal University of Rio Grande do Sul)

IM-UFRGS (Institute of Mathematics, Federal University of Rio Grande do Sul)

IME-USP (Institute of Mathematics and Statistics, University of São Paulo)

COPPE-UFRJ (Graduate School and Research in Engineering, Federal University of Rio de Janeiro)

IM-UFRJ (Institute of Mathematics, Federal University of Rio de Janeiro)

NCE-UFRJ (Electronic Computing Centre, Federal University of Rio de Janeiro)

IC-UFF (Institute of Computing, Fluminense Federal University)

Promoted by:
SBC (Brazilian Computing Society)

Supported by:
SBMAC (Brazilian Computational & Applied Mathematics Society)

Sponsored by:
FAPESP (São Paulo State Research Foundation)
FAPERJ (Rio de Janeiro State Research Foundation)
FAPERGS (Rio Grande do Sul State Research Foundation)
CAPES (National Agency for Higher Education)
CNPq (National Council for Scientific and Technological Development)

Important Dates:
April 30, 2009: submission deadline
July 31, 2009: notification of acceptance
August 3, 2009: registration beginning
September 4, 2009: final version for publication in ENDM
November 3-7, 2009: LAGOS'09

Submissions:

Authors should submit electronically an extended abstract (not a full paper), written in good English. Electronic submission is required via the JEMS submission system at <https://submissoes.sbc.org.br/>. The submission should contain a scholarly exposition of ideas, techniques, and results, including motivation and a clear comparison with related work. The length should not exceed six (6) A4-sized pages (including the bibliography and figures). First page must include title, authors and affiliations, contact e-mails, abstract, and at least one keyword chosen from the Conference Themes above. Please be advised that Elsevier ENDM requires that all extended abstracts published in the proceedings use the ENDM style package, available at http://www.elsevier.com/homepage/sac/050/endm_package.zip. Each submission must consist of a single PDF file. Additional material (such as a technical report containing detailed proofs) may be placed in an appendix or web page referenced inside the text. However, any material other than the 6-page extended abstract may be ignored at the discretion of the Program Committee. Submissions deviating significantly from these guidelines risk rejection without consideration of their merits. Submission of a paper implies that the work described has not been previously published (except in the form of a short abstract or as part of a lecture or academic thesis), that it is not simultaneously submitted elsewhere, and that, if accepted, it will not be published elsewhere in the same form.

Accepted papers:

Papers accepted for presentation at LAGOS'09 will be published in a special issue of ENDM - Electronic Notes in Discrete Mathematics. Following the tradition of LAGOS, a special issue of Discrete Applied Mathematics will be prepared after the LAGOS'09. All authors of accepted papers at the symposium are invited to contribute to this special volume. The topics should relate to the central themes of the symposium, but are not necessarily restricted to the presentations at LAGOS'09. All articles will be refereed according to the standards of Discrete Applied Mathematics.

Invited Speakers:

Celina M. H. de Figueiredo (UFRJ, Brazil)
Pavol Hell (Simon Fraser, Canada)
Martin C. Golumbic (Haifa, Israel)
Robert E. Jamison (Clemson, USA)
Robert Sedgewick (Princeton, USA)
David P. Williamson (Cornell, USA)

LAGOS Steering Committee:

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

Scientific Committee:

Valmir C. Barbosa (UFRJ, Brazil)
Adrian Bondy (U. Lyon, France)
Flavia Bonomo (UBA, Argentina)
Héctor Cancela (UDELAR, Uruguay)
Marcelo H. Carvalho (UFMS, Brazil)
José Correa (U. Chile, Chile)
Guillermo Durán (U. Chile, Chile - UBA, Argentina)
Carlos E. Ferreira (USP, Brazil) - Co-chair
Manoel Lemos (UFPE, Brazil)
Min Chih Lin (UBA, Argentina)
Claudia Linhares (UFC, Brazil)
Claudio L. Lucchesi (Unicamp, Brazil)
Nelson Maculan (UFRJ, Brazil)
Martín Matamala (U. Chile, Chile)
U.S.R. Murty (Waterloo U., Canada)
Graciela Nasini (U. Rosario, Argentina)
Luiz S. Ochi (UFF, Brazil)
Daniel Panario (Carleton U., Canada)
Miguel Pizaña (UAM, Mexico)
Fábio Protti (UFRJ, Brazil) - Co-chair
Bruce Reed (McGill U., Canada)
Andrea Richa (Arizona State U., USA)
Nicolás Stier (Columbia U., USA)
Vilmar Trevisan (UFRGS, Brazil)
Alfredo Viola (U. de la República, Uruguay)
Yoshiko Wakabayashi (USP, Brazil)
Renato Werneck (Microsoft Research, USA)
Andrés Weintraub (U. Chile, Chile)

Organizing Committee:

Luciana Buriol (UFRGS, Brazil) - Co-Chair
Luis C. Lamb (UFRGS, Brazil)
Marcus Ritt (UFRGS, Brazil)
Vilmar Trevisan (UFRGS, Brazil) - Co-Chair