

**XIV LATIN-IBERO AMERICAN CONGRESS
ON
OPERATIONS RESEARCH
(CLAIO 2008)**

CALL FOR PAPERS



The **XIV Latin-Ibero American Congress on Operations Research (CLAIO 2008)** will be held at the Cartagena de Indias Convention Center, in Cartagena de Indias, Colombia, during the week of 9–12 September 2008 (socio.org.co/CLAIO2008). Cartagena de Indias is a popular tourist destination. Its downtown district features an impressive display of Spanish colonial architecture. This area was designated a UNESCO World Heritage Site.

CLAIO 2008 is sponsored by the **Latin-Ibero American Association of Operations Research (ALIO)**, who has the support of the **International Federation of Operational Research Societies (IFORS)**. The conference will be hosted by the **Colombian Society of Operations Research (SOCIO)** and it is organized by four Colombian universities: Universidad EAFIT, Universidad del Norte, Universidad Tecnológica de Bolívar and Politécnico Grancolombiano Institución Universitaria.

The Honorary Chair of the **CLAIO 2008** is the Colombian Professor Guillermo Owen of the Naval Postgraduate School (Monterrey, USA) who is a world famous researcher in Game Theory. In addition to Prof. Owen, the conference will feature top notch plenary speakers including:

- Alejandro Jofre (Subdirector, Centro de Modelamiento Matemático, Universidad de Chile, Chile)
- Celso Ribeiro (Departamento de Informática, Pontificia Universidade Católica do Rio de Janeiro, Brasil)
- Christodoulos A. Floudas (Department of Chemical Engineering, Princeton University, USA)
- Donald Ratliff (Executive Director, The Supply Chain & Logistics Institute, Georgia Tech, USA)
- Michel Gendreau (Director, Centre de Recherche sur les Transports, Université de Montréal, Canadá)
- Onésimo Hernández-Lerma (Centro de Investigación y de Estudios Avanzados, Instituto Politécnico Nacional, Mexico)
- Robert Bixby (Chief Scientific Officer, ILOG Inc., France-USA)

- Robert L. Smith (Director, Dynamic Systems Optimization Laboratory, University of Michigan, USA)
- Shmuel S. Oren (Chairman, Department of Industrial Engineering and Operations Research, University of California at Berkeley, USA)
- Stavros Zenios (Director, HERMES European Center of Excellence on Computational Finance and Economics, University of Cyprus, Chipre)

We are also pleased to announce the support of DAAD and EURO/INFORMS/IFORS in enabling the participation of

- Martin Grötschel (Secretary, International Mathematical Union - Vice President, Konrad-Zuse-Zentrum für Informationstechnik Berlin (ZIB), Germany)
- Richard Pibernik (Executive Director Research, Supply Management Institute (SMI), European Business School, International University, Schloss Reichartshausen, Germany)
- Stefan Nickel (Scientific Advisory Board, Fraunhofer ITWM (Fraunhofer Institute for Industrial Mathematics), University of Saarbrücken, Germany)
- Horst W. Hamacher (Chair of Management and Educational Mathematics, Department of Mathematics, University of Kaiserslautern, Germany)
- Christopher J. Zappe (Co-Director, Institute for Leadership in Technology and Management, Bucknell University, USA)
- James J. Cochran (Ruston Building & Loan Endowed Research Professor, Louisiana Tech University, USA)

CLAIO 2008 invites submissions in all areas of Operations Research. The conference is aimed at providing a platform where significant theoretical contributions as well as insightful new applications will share the stage. To achieve this goal, accepted submissions will be jointly classified in “clusters” (based upon methodological and analytical techniques or application domains) and “workshops” (emphasizing practitioners’ insight and experience). It is expected that this two-fold classification will enable a more lively interaction between academics, practitioners from various industries and recognized suppliers of OR-based technologies.

The preliminary list of clusters include: data mining and machine learning, multi-criteria decision making, optimization theory (semi definite programming, global optimization, stochastic programming, integer programming), applications in the process industry, telecommunications, transportation, energy markets, health systems; queuing systems, dynamic games, financial engineering and risk management. The preliminary list of workshops include:

- 2nd ALIO/INFORMS Workshop on OR Education
- 1st ALIO/ALL Workshop on Operations Research, Logistics and Supply Chain.
- CLAI0 2008 Workshop on Finance and Financial Risk
- CLAI0 2008 Workshop on Energy Markets Modeling
- CLAI0 2008 Workshop on Regional Planning
- CLAI0 2008 Workshop on Military Applications and Homeland Security
- CLAI0 2008 1st EUREKA Workshop on Knowledge Discovery, Knowledge Management an Decision Making

Contributed sessions in subject areas not covered by any of the conference's clusters and/or workshops are welcome (instructions on how to submit a contributed session are available at the conference's webpage).

Submissions will be in the form of extended abstracts (max. 3 page length). These should be formatted according to instructions (available at the conference's webpage) and should be submitted electronically as a PDF file at www.easychair.org/CLAIO_2008. The official languages of CLAIO 2008 are: Spanish, Portuguese and English. Special issues dedicated to CLAIO 2008 will be published by Annals of Operations Research and the Journal of Intelligent Manufacturing.

Deadlines:

- Submission of new clusters, March 15, 2008
- Submission of the extended abstracts is **April 30, 2008**
- Final decisions will be notified by **May 31, 2008**
- Final program will be published **June 20, 2008**.

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