

First Announcement and call for papers

**6th International Conference on
Operations Research**

(Optimization, Probability and Statistics, Mathematical Economics and Algorithms)

**5th Workshop on Operations Research: Applications to
the Economy**

Havana, 15-19, September -, 2003



Organized by:

Universidad de La Habana

Humboldt-Universität zu Berlin

Universidad Nacional de Educación a Distancia, Madrid

Cosponsored by:

Asociación Latinoamericana de Investigación Operativa (ALIO)

Deutscher Akademischer Austauschdienst (DAAD)

Deutsche Forschungsgemeinschaft

Hanns Seidel Stiftung

International Mathematical Union (IMU)

Multicriteria Decision Making Society

Sociedad Cubana de Matemática y Computación

Objectives

The last International Conference on Operations Research was held in Havana in the period 5- 8 March, 2002. This Conference takes place in Cuba biannually alternating with the International Workshop on Operations Research, which is devoted to a specific application area. In this occasion both scientific events will coincide. The change in the expected date of the Conference is motivated by the celebration in Cuba during the autumn 2004 of the Congress of the ALIO (Latin-Iberian American Association of Operations Research).

The participants in the 2003 Operations Research's event may assist to the sessions of the Conference and to those of the Workshop. Specification in the registration form is only optional.

The objectives of the Conference are to foster new results in the themes of Optimization, Statistic, Biometry, Probability, Mathematical Economy, Numerical Analysis, Dynamic Systems and Algorithms. Contributions on theoretical results and applications on are welcomed. Papers reporting applications of Operations Research methods for the solution of economic problems will be discussed during the Workshop's sessions. The Workshop will provide a frame where academicians and entrepreneurs will discuss their experiences and expectancies with respect to the role of Operations Research in Business and Management.

Workshop's Activities for entrepreneurs

Invited Conference: Experiences on Collaboration Projects Enterprise-University.

Round Table: Consulting teams at the University?

1st Training School on Operations Research for Business Management

Languages: Spanish and English (translation is guaranteed)

Program Committee

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Topics:

Optimization: Linear, non linear, integer, parametric, stochastic and global optimization; operations research tools, applications.

Probability and Statistics: Biometry models; statistical inference, decision modeling and theory; multivariate analysis; sampling; probability and stochastic processes; reliability; neural techniques , applications

Mathematical Economics: Game theory; mathematical models for economic problems; microeconomic theory; financial modeling and portfolio management.

Algorithms: Geometric computation; graph theory; meta-heuristics; neural networks; numerical solution of differential and differential-algebraic equations; numerical linear algebra.

Multicriteria Decision Making: Decision support systems; goal programming; ordinal criteria; preference modeling and software of qualitative methods.

Systems and Control: Dynamical systems, optimal control; stabilization.

Management Sciences: Logistics (routing,sheduling,inventory),Marketing, banking and financing.

Invited Lectures and Tutorials will be delivered by well-known specialists.

Special Sessions:

We invite those interested in organizing a session to propose it to the Chair of the Program or of the Organizing Committees.

Registration

If you wish to participate, return the enclosed registration form to the Organizing Committee by June 25, 2003 at one of the following addresses:

Prof. Dr. J.Guddat Institut fur Mathematik Humboldt Universitat-Berlin Unter den Linden 6 D-10099 Berlin Germany Fax [49-30] 2478677 email: guddat@mathematik.hu-berlin.de kerger@mathematik.hu-.berlin.de	Prof. Dr. S. Allende Facultad de Matemática y Computación Universidad de La Habana San Lázaro y L. Habana 4 Cuba. Fax [537] 335774 email: sira@matcom.uh.cu bouza@matcom.uh.cu	Prof. Dr. L. Rodríguez Marín Facultad de Ciencias Universidad de Educación a Distancia. Ciudad Universitaria. 28040 Madrid, España Fax: email: lromarin@ind.uned.es
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The participants, who want to present a paper have to send a short abstract of the paper (about 100 words) together with the registration form. The Program Committee will decide on the acceptance of the submitted papers. A number of the presented papers will be published in a volume of the journal *Investigación Operacional*. The selection will be based on the usual refereeing process. To simplify the publishing process, every speaker must bring to the conference two copies of his paper and a (3,5") diskette with the corresponding Tex or Word file. Words files are specially welcome.

Key Dates:

June 25, 2003: Deadline for Abstracts
July 30, 2003: Information about the acceptance of the papers.
January 5, 2004: Full version of the paper for the Proceedings.

The fees, to be paid upon registration, include the Welcome Party and the Volume of Abstracts

The students shall proof their condition upon arrival. Members of the Sociedad Cubana de Matemática y Computación will pay a reduced quota .

Conference Fees

	Before July 30	After July 30
Participants	100 USD	140 CP
Students	40 USD	60 CP

The Sucursal de Agencia de Viajes Mercadu (eventos@rect.uh.cu) can organize your stay for 8 days/7 nights.

Registration Form

VI International Conference on Operations Research and V International Workshop on Operations Research: Applications to Economy Habana, 15-19, September , 2003

Name _____

Institution: _____,

Address _____

Email _____ Phone: _____ Fax _____

I plan to make a contribution ___ to attend the conference _____

Approximate Title of the Paper

Session where you propose to read it:

Optimization:

Linear, ___ Non linear ___ Discrete ___ Parametric ___ Stochastic ___ Global optimization ___ Operations research tools ___ Applications ___

Probability and Statistics:

Biometry models ___ Statistical inference ___ Decision modeling and theory ___ Multivariate analysis ___ Sampling ___ Probability and stochastic processes ___ Reliability ___ Neural techniques ___ Applications ___.

Mathematical Economics:

Game's theory ___ Mathematical models for economic problems ___ Microeconomic theory ___ Financial modeling ___ Portfolio management ___

Algorithms:

Geometric computation ___ Graph theory ___ Metaheuristics ___ Neural networks ___ Numerical solutions of differential and differential-algebraic equations ___ Numerical linear algebra ___.

Multicriteria Decision Making:

Decision support systems ___ Goal programming ___ Ordinal criteria ___ Preference modeling and software of qualitative methods ___.

Systems and Control:

Dynamical systems ___ Optimal control ___ Stabilization ___
I am interested in publishing it yes ___ no ___

Send this form not later than 30-8-2003 to one of following addresses:

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