



OR in the Time of COVID-19

Havana (Cuba), June 15-18, 2021

55 years of the journal Investigación Operacional



Organized by
Universidad de La Habana
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Aims of the Workshop

In December 2019, a new disease appeared. Since then, millions of persons have been infected and many deaths have been reported worldwide. Furthermore, institutions and people have been forced to act differently. As the pandemia affects every single aspect of our lifes, the new emerging problems impose important challenges to Operations Researchers. For studying the virus and its transmission process is necessary to manage and analyze big data basis using the methods of the Statistic and Probability. Image processing techniques are applied during the diagnostic and

evolution of the patients. Optimization methods support the decision-making process in the organization of medical services

This workshop intends to provide a platform for discussing about new theoretical and practical results on the area of OR, mainly focused on their possible applications to problems related with COVID-19. The workshop welcomes contributions on mathematical methods, management of big data and business intelligence related to human health, economics, environment, regional development and experiences on OR education under the new circumstances. Cross-fertilization between different topics of the OR, are also expected.

We invite researchers to organize special sessions devoted to one specific topics or on the applications. Due to the new circumstances imposed by the pandemia, this edition will be held online. In-person participation will be also possible. Hotels and transportation to the activities and PCR test could be coordinated for foreign participants by the travel agency.

A social program will be also offered.

It will include Cuban music, virtual city tours and other options.

The Workshop covers contributions on:

- Artificial Intelligence
- Bioinformatics
- Biomathematics
- Biostatistic
- Big Data & Business Intelligence
- Management Sciences
- Application in the Economy
- Multicriteria Decision Making
- Numerical Analysis
- Optimization
- Applications in Medicine
- Operations Research Education
- Probability and Statistics
- Transport and Logistics

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Submission of Abstracts and Papers

Researchers interested in presenting their research results in the workshop, will submit an abstract (only in English language) of about 250 words (to appear in the a digital *Abstract Booklet*) and an Extended Abstract (3 – 5 pages) to be published in a digital *Conference Proceeding*. Abstracts and Extended Abstracts will be accesible for the participants from June to August 2021 in web page of the Workshop.

Full versions of the papers presented at the conference can be submitted to the journal *Investigación Operacional* with no additional cost.

Important Dates

Deadlines for abstracts: **April 30, 2021**

Information about acceptance of the presentation: **May 30, 2021**

Deadline for early bid payment: May 31th, 2021

Deadline for regular bid payment: June 18th, 2021

You may use <http://iworcuba.cubagrouplanner.com> for paying the registration fees.

General Information

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Conference Fees

| | Foreign Participants | Cuban Participants |
|--|----------------------|--------------------|
| Early bird payment (until May 31, 2021) | | |
| Professional Participants Ponent | 90USD | 800 pesos |
| Professional Participants no Ponent | 80USD | 800pesos |
| PhDStudents | 50USD | 800 pesos |
| Regular payment (after May 31, 2021) | | |
| Professional Participants Ponent | 120 USD | 800 pesos |
| Professional Participants no Ponent | 100 USD | 800 pesos |
| PhDStudents | 70 USD | 800 pesos |

Submission of Abstracts and papers

The structure of the abstract should be as follows

TITLE IN UPPERCASE AND CENTERED

Author 1* Author 2*,

* Institution 1, Country

**Institution 2, Country.

Abstract

Keywords: Keyword 1; keyword 2;.....

The structure of the extended abstract should be:

TITLE IN UPPERCASE AND CENTERED

Author 1* Author 2* Author 3**,

* Institution 1, Country

**Institution 2, Country.

Abstract

Keywords: Keyword 1; keyword 2;

Introduction

Section 1, Section2

Conclusions

Bibliography

Authors of the papers presented at the conference will be invited to submit a reviewed version to the journal Investigación Operacional with no additional cost. They will be evaluated using a double blind refereeing process

Registration Form

14th IWOR (Habana, June 15-18, 2021)

Name: _____

Ph.D Student: yes _____ no _____

Institution: _____

Address: _____

Email: _____

Phone: _____ Fax: _____

I plan to make a contribution yes _____ no _____

Approximate title of the paper: _____

I am interested in publishing it yes _____ no _____

Thematic of your talk

- Artificial Intelligence
- Bioinformatics
- Biomathematics
- Biostatistic
- Big Data & Business Intelligence
- Management Sciences
- Application in the Economy
- Multicriteria Decision Making
- Numerical Analysis
- Optimization
- Applications in Medicine
- Operations Research Education
- Probability and Statistics
- Transport and Logistics

Please, send this form as an attachment to:

sira@matcom.uh.cu

or marie.cottrell@univ-paris1.fr

You may use <http://iworcuba.cubagrouplanner.com> for paying the registration fees.

The person in charge is Yanet Bellón Landa. Email: yanet.bellon@solways.com

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