



**Saber UH**  
2023  
Convención Científica Internacional  
Universidad de La Habana



## **PROGRAM**

# **15<sup>th</sup> International Workshop**

**on**

## **Operations Research**

**Models and methods for information management  
and decision making**

**Havana (Cuba), May 29-June 2, 2023**

**Organized by**



**Universidad de La Habana**

**Université Paris I, Panthéon-Sorbonne**



**Co-sponsors**

**Sociedad Cubana de Matemática y Computación-**

**Asociación Cubana de Investigación Operacional**

**Asociación Latinoamericana de Investigación Operativa**

# Lecturers

## Plenary speakers

Antonio Alonso Ayuso (Spain).  
Alain Celisse (France).  
Pierre Latouche (France)  
Raik Stolletz (Germany).  
Pedro Valdés Sosa (Cuba- China)

## Main speakers

Didier Aussel (France)  
Marie Cottrell (France)  
Joachim Daduna (Germany)  
Christine Tammer (Germany).  
Jean-Charles Lamirel (France).  
Min Li (China).

# Timetable

## Monday May 29

9:00-11:00	<b>Open Session of the Convention</b> (Cine Yara, L and 23 street, Vedado)
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Time	Sessions (Building Felipe Poey)	Room
14:00-16:00	<i>Introduction to R-Shiny (Tutorial by Dr. Clément Laroche).</i> Introducer: Yanet García	Room 1
15:00-17:00	<i>Panel on Impacts of Research Projects in the Practice: Experiences &amp; Perspectives.</i>	Room 2
17:00-17:30	Special Contribution: Fantasy, Fiction and <i>Applied Mathematics Harry Potter and the secrets of Applied Mathematics: pop culture in Operations Research classrooms</i>	Room 1
17:30-20:00	<b>Social Activity:</b> <i>Knowing the building Felipe Poey. Gathering activity</i>	Patio de los Laureles

## Tuesday May 30

Time	Session	Chair
9:00-10:00:	Opening Address <i>Plenary Lecturer: Antonio Alonso Ayuso</i>	S. Allende
10:00-10:20	<b>Coffee Break</b>	
10:20-11:20	<i>Main Lecturers: Christine Tammer Didier Aussel</i>	G. Bouza
11:20-12:40	Optimization & Game Theory	G. Bouza
11:20-12:40	Mathematical Model in the Economy	B. Wickstrom

12:40-14:30	<b>Break</b>
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14:30-15:00	<i>Main Lecturer: Jean Ch. Lamirel</i>	A. Fernández
15:00-15:40	Machine Learning	J. Ch. Lamirel
15:00-15:30	Epidemiological Models	I. Abello
15:40-15:50	<b>Coffee Break</b>	
15:50-16:50	Machine Learning	J. Ch. Lamirel
15:50-16:50	Epidemiological Models	A. Marrero
16:50-17:50	Epidemiological Models. Posters	M. Villalobos
14:30-17:40	<i>Short introduction to change-point detection (Tutorial by Prof. Alain Célisse)</i> Introducer: Carlos Bouza	

## Wednesday May 31

	Session	Chair
9:00-10:00:	<i>Plenary Lecturer: Raik Stolletz</i>	A. Ruiz
10:00-10:20	<b>Coffee Break</b>	
10:20-10:50:	<i>Main Lecturer: Joachim. Daduna</i>	A. Ruiz
10:50-12:30	Management Sciences. Posters	A. Batista
10:20-12:30	Applications in Medicine	M. L. Baguer

12:30-14:30	<b>Break</b>
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14:30-15:30	Numerical Analysis	Á. León
14:30-15:30	Management Sciences	J. Daduna
15:30-15:40	<b>Coffee Break</b>	
15:40-16:40	Numerical Analysis	Á. León
15:40-17:40	Management Sciences	J. Daduna
14:30-17:40	<i>Topic modelling methods and applications (Part 1) (Tutorial by Prof. J. Ch. Lamirel)</i> Introducer: Alberto Fernández Flores	

## Thursday June 1

	Session	Chair
9:00-10:00:	<i>Plenary Lecturer: Pedro Valdés Sosa</i>	L. Galán
10:00-10:20	<b>Coffee Break</b>	
10:20-10:50:	<i>Main Lecturer: Dr. Min Li</i>	L. Galán
10:50-12:30	Neurosciences 1	V. Hernández

<b>12:30-14:30</b>	<b>Break</b>	
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14:30-15:30	Environment problems & Human Welfare	
14:30-15:30	Neurosciences 2	Eduardo Martínez
15:30-15:40	<b>Coffee Break</b>	
15:30-17:00	Environment problems & Human Welfare	
15:40-17:40	Neurosciences Posters	Eduardo Martínez
14:30-17:40	<i>Topic modelling methods and applications (Part 2) (Tutorial by Prof. J. Ch. Lamirel)</i> Introducer: Alejandro Mesejo	

## Friday June 2

	Session	Chair
9:00-10:00	<i>Plenary Lecturer: Pierre Latouche</i>	Marie Cottrell
10:00-10:20	<b>Coffee Break</b>	
10:20-10:50:	<i>Main Lecturer: Marie Cottrell</i>	Carlos Bouza
10:50-11:30	Mathematical Statistics	Marie Cottrell
11:30-11:40	<b>Piscolabis</b>	
11:40-12:20	Mathematical Statistics	
12:20-13:20	<b>Close Plenary Lecturer: Alain Celisse</b>	Sira Allende

13:30- 15:30	<b>Break</b>	
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15:30-	<b>Close Session of the Convention Saber UH</b>	
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