

Afterwords

The 17th edition of the International Conference on Operations Research (17th ICOR+2025) took place within the framework of the Second International Convention Saber UH organized in Havana (Cuba), from May 26th to May 30th, 2025. This Convention proposed 31 scientific events, with the participation of 400 scientists from 30 countries.

ICOR+2025 was co-organized by Universidad de La Habana and Université Paris 1 Panthéon-Sorbonne, with the co-sponsoring of the Sociedad Cubana de Matemática y and the Asociación Latino-iberoamericana de Investigación Operativa.

This edition of ICOR+ had more than 100 registrants, from 10 different countries. Extended versions of the ICOR+ 2025 contributions can be submitted to the journal *Investigación Operacional*. Manuscripts are expected by December 30 2025.

Prestigious professionals delivered six Plenary Lectures: Christiane Largeron (France), Eduardo Martinez (Cuba), Emilio Carrazosa (Spain), Jean Charles Lamirel (France), Patrice Bertail (France) and Zochil Gonzalez Arenas (Brasil), covered themes of xems. The Plenary Session on Uncertain Sets were Main Lecturers the professors Florentin Smarandachy (USA) and Maikel Yelandi Leyva Vazquez (Ecuador).

The scientific program included thematic sessions on *Probability and Statistics, Game Theory, Optimization, Numerical Analysis & algorithms, Biomathematic & Mechanic, Computer Sciences & Applications 1-2, Mathematical models on Neurosciences, Studies on Environment & social problems and Applications to control of health problems*.

To open or close those thematic sessions, professors of Spain (Juan Tejada), Germany (Christine Tammer), France (Didier Aussel), China (Zhen Shen), Hungary (Bengt-Arne Wickström) and Cuba (Armando Seuc Ho) read Main Lectures affine to the handled thematic

At last, a poster session on *Design of heuristic Algorithms* brought together contributions linked to applications on medicine, logistics, etc, and in addition, the session *Novel PhD & advanced PhD students* showed recent results of the PhD Program on Mathematics and Computer Science of the Universidad de la Habana.

Three short courses (pre-event, tutorials and post-event) were linked to the Conference:

Optimización para el Aprendizaje Estadístico by Prof. Diego dell Donne, *Statistics for Insurance* by Patrice Bertail and Carlos Fernández and *New methods based on Large Language Models vs Statistical Methods for NLP and explainable AI: Focusing on comparison and evaluation for topic modeling and embedding tasks*, by Jean-Charles-Lamirel.

On Morning 30th May, decisions makers of micro, little and median enterprises participated at the Workshop *Analítica de Negocios para el Desarrollo Empresarial*. The goal of the Workshop was the discussion on Business Analytics methods for taking intelligence decisions in their activities. Networking spaces allowed the exchange on relationships between universities-enterprise-local development and to know foreign experiences in that sense. A project for postgraduate education of decisions makers and another for analysts on Business Analytics was announced. It is planned to begin during the 2025/2026 academic year.

The memory of Prof. Dr. Carlos Bouza Herrera, who passed away at 10th December 2025, was also honored. He was acknowledged for his relevant and meritorious scientific career, his labor in the organization of the International Workshops (IWOR) and Conferences (ICOR) on Operations Research from the seventies and as Secretary of the journal *Investigación Operacional* during more than thirty years. His work as founder and coordinator of the network *Red Iberoamericana de Estudios Cuantitativos Aplicados (RIDECA)* was also recognized. In special session of the 17th edition of ICOR took place the annual meeting of RIDECA, where it was evocated his legacy in emotive tribute organized by Dr. Jose Felix García, Agustín Santiago and José Maclovio Sauto (from Mexico), with the

participation face to face and on-line of many RIDECA members, colleagues and friends from different countries of Latin America.

The Conference had been also occasioning to underline that 2025 is the 60 years of the journal *Investigacion Operacional*, founded in December 1966. The labor of Editorial members, like Prof Dr. Jurgen Guddat, Prof. Dr. Bernd Bank, Prof Dr. Monique Florenzano, Prof. Luis Rodriguez Marin and all the Associated Editors were acknowledged. It was recalled that the journal has improved its international diffusion, with the support of the laboratory SAMM of the Université Paris 1 Panthéon-Sorbonne 1, and the effort of Prof Marie Cottrell. It was announced the call to a special issue of the journal *Investigación Operacional* dedicated to its 60th anniversary. The issue aims to bring together recent advance, diverse perspectives and critical discussions on Operations Research, Probability and Statistics, Mathematical Economics and Biomathematics, highlighting the interaction of these advances with Artificial Intelligence models. We therefore call on all researchers in to submit articles for publication in this special issue, to be published in December 2026. Important dates and detailed instructions could be found as soon as possible at <https://rev-inv-ope.panthéonsorbonne.fr>

Finally, we thank all the participants, and all the administrative and technical staff who made it possible to hold the conference smoothly.

