University of Algiers 3
Ibrahim Sultan Chibout
Faculty of Economic
Sciences, Commercial
Sciences and Management
Sciences

Laboratory of Governance
and Modernization of
Public Management
University of Algiers 3

Laboratory of
Fundamental Computer Science,
Operational Research, Combinatorics
and Econometrics,
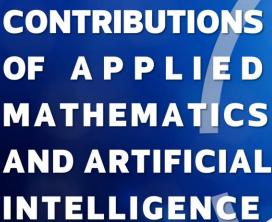University of Science & Technology,
Houari BOUMEDIENE

Organize
the international hybrid Conference on:

#AMAI_ECO24

CONTRIBUTIONS OF APPLIED MATHEMATICS AND ARTIFICIAL INTELLIGENCE

ON LINE

PRESENTIAL

6·7 NOV 2024

IN ADMINISTRATIVE & ECONOMIC DECISION MAKING

REALITY & PERSPECTIVES

For more information:

https://sites.google.com/view/amaieco24

CONFERENCE STAFF ||||||

CONFERENCE Honorary Chairman ▸ **Prof. Khaled ROUASKI**
▸ PRESIDENT OF THE UNIVERSITY

CONFERENCE General Supervisor ▸ **Dr. Samir AZZEDINE**
▸ DEAN OF FACULTY

CONFERENCE General Coordinator ▸ **Dr. Imad BOUKALACHI**
▸ THE LABORATORY DIRECTOR

CONFERENCE Chairman ▸ **Dr. Nesrine BENYAHIA TANI**

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Organizing Committee Head ▸ **Dr. Abdelhak LAIFA**

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#AMAI_ECO24

AMAI 20 ECO 24

Submission (abstract) deadline: 30/06/2024.
Submission (full paper) deadline: 30/06/2024.
Respond to all participants: 25/09/2024.

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PREAMBLE

Applied mathematics, in its various branches, has always played and continue playing an important role in decision-making, problem-solving, and the analysis of complex economic phenomena. Among the branches of applied mathematics, we should mention Operational Research, statistics, big data collection, data analysis and computer science, which have witnessed significant and rapid development in the fields of technology and artificial intelligence, especially in recent years.

Applied mathematics and artificial intelligence have become vital links contributing to the development of methods and techniques for analyzing Big Data and making economic decisions more efficient, more accurate and faster. This is further evidenced by the fact that studies have demonstrated their effectiveness in addressing key economic institutional challenges. Consequently, integration of these two links strengthens the available tools for solving problems and making economic decisions.

This conference is intended to bring together applied mathematics and artificial intelligence technologies and to highlight the latest developments in these two fields in order to underline their impact on administrative and economic decision-making.

So, what are the challenges facing the adoption of applied mathematics and artificial intelligence techniques? What are the future prospects and new opportunities in this context?

Thus, the idea of organizing an international conference emerged to activate the university's role as an economic partner support, by responding to the conference's problematics statement:

"What are the contributions of applied mathematics and artificial intelligence to administrative and economic decision-making?"

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OBJECTIVES

- ▶ Improve economists' understanding of mathematics using modern methods;
- ▶ Bringing together experts and researchers in applied mathematics, artificial intelligence, economics and other sciences to present and discuss the latest developments;
- ▶ Bring out how applied mathematics and artificial intelligence are being used to improve the prediction of future economic events;
- ▶ Highlight the role of artificial intelligence in solving real economic problems;
- ▶ Facilitate the exchange of ideas, experiences and research challenges in various fields related to applied mathematics, highlighting the role of the mathematician -researcher- in economic institutions.
- ▶ Encourage experts and researchers alike to develop new researches and innovate projects integrating applied mathematics and artificial intelligence in economic decision-making.
- ▶ Open up opportunities for mathematical applications and the use of artificial intelligence techniques in other scientific fields.

TARGET AUDIENCE ▶▶▶▶▶

This international conference is intended for: Professors, Specialized Researchers, Ph.D. Students, and all those interested in the conference's problematic.

CONFERENCE AXES

01 Applied Mathematics' Developments and their role as university outputs in the economic environment;

02 Optimization and Combinatorial Optimization "Single and Multi-objective";

03 Statistical methods and their role in the mathematical modeling of economic phenomena;

04 Mechanisms of artificial intelligence and their applications in the economic field in the context of digitalization;

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CONFERENCE AXES

05 Scheduling and projects management and industrial production operations;

06 Contribution of decision theory, game theory, and multi-criteria analysis in efficient decision-making;

07 Stochastic methods in management: Queueing theory, simulation, and prediction models, Big data and its analysis.

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CONFERENCE CONDITIONS

- ▶ The research must be in line with one of the axes of the international conference;
- ▶ The research must be scientifically authentic, i.e. the work must not have been presented in another scientific activity or published previously;
- ▶ The research must be mathematical in nature and have applications in the economic or administrative field;
- ▶ Priority will be given to authentic contributions in the field;
- ▶ Only single or binome resarchers' paper are accepted;
- ▶ The research may be presented in Arabic or in English;
- ▶ The list of references is methodologically based on the APA method;
- ▶ Arabic articles must be written in simplified Arabic font, size 14. In English, Times New Roman font, size 12, single-spaced;
- ▶ The research should not exceed 15 pages and more than 10 pages, including attachments, list of sources, references and margins;
- ▶ Present an abstract of only one page, in Arabic and in English, with key words (for English speaking participants, just one abstract);
- ▶ The organizers of the international conference will not cover accommodation, transport or food costs.

PARTICIPATION FORM ||||||
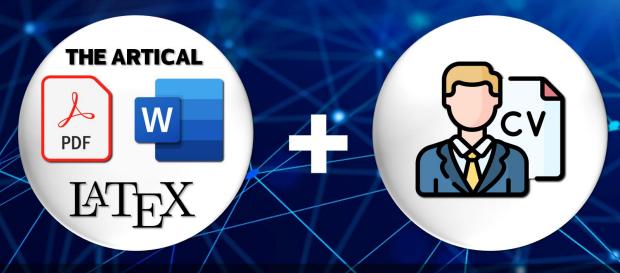
THE ARTICAL

PDF • Word • LATEX

+

CV

The artical must be sent in WORD & PDF / LATEX & PDF formats for technical specialities,

in addition to a brief CV with a recent photo