**FACULTY OF LAW, ECONOMICS AND SOCIAL SCIENCES, CADI AYYAD UNIVERSITY
AND ICESCO'S OPEN EDUCATION CHAIR
ORGANIZE**

1ST EDITION OF THE INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE & OPEN SCIENCE « ICAIOS 2024 »

CONFERENCE THEME

EXPANDING RESEARCH HORIZONS WITH ARTIFICIAL INTELLIGENCE AND OPEN SCIENCE

**24-25 OCTOBER 2024
MARRAKECH**

IMAGE GENERATED BY ARTIFICIAL INTELLIGENCE

CALL FOR PAPERS

INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE & OPEN SCIENCE

MARRAKECH
MOROCCO

ICAIOS 2024

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- SCIENTIFIC COMMITTEE

This conference aims at bringing together researchers, practitioners, business leaders and policy-makers interested in artificial intelligence and open science. Participants will have the opportunity to share their research and experiences, and to network with a wide community

ICAIOS2024.SCIENCESCONF.ORG

OVERVIEW & PRESENTATION

Scientific research is the most significant engine of knowledge development. It stands as a powerful drive that shapes societies and civilizations. Research relies on collecting, analyzing, and interpreting data using scientific approaches aiming at testing hypotheses and confirming their reliability and relevance. Hence; mastering these processes is a daunting challenge to address, regarding both the scientific issues and the required specific techniques and tools.

Dramatic advances in artificial intelligence (AI) offer opportunities to improve researchers' performance. AI models can trigger a profound revolution in scientific research processes, whose fundamental foundations have remained unchanged for centuries. Researchers seeking to use AI systems to overcome their cognitive ability limitations, should acquire new skills such as database preparation and algorithms among many others. It is, therefore, possible that a divide may emerge between researchers who are more familiar with AI and those who are not, with the former having privileges in terms of access to databases and analytical methods.

AI is a relevant topic of investigation for researchers. However, for AI to have a positive impact on research, it is crucial to render data and research results accessible for all; a fundamental concern of open science (OS) that promotes openness, transparency, and collaboration in research. Furthermore, it encourages a wide-spread of data sharing , ideas, and results, thereby enhancing scientific rigor, faster and more impactful discoveries (Goldstein, S., et al., 2016). Science openness is paramount in the field of AI, where algorithms are complex and black-boxed. By sharing their data and results, researchers should ensure AI systems are developed and used responsibly and ethically.

By allowing more access to data and resources, open science drives innovation and opens new avenues to solve almost every problem. Through OS principles, researchers can not only increase transparency and replicability of their works, but also stimulate innovation by allowing other researchers to harness and enrich their discoveries. Open science favors dynamic and inclusive research environments, where ideas flow freely, and creativity encouraged (Goldstein, S., et al., 2016; Lawson, C., et al., 2017; Borgman, C. L., 2015).

Integrating artificial intelligence and open science offers exciting perspectives to scientific research. By combining AI analytical capabilities with open science transparency and collaboration principles, researchers can explore new avenues, and address challenges facing organizations around the world. From the development of more robust theories to innovation in research methodology, OS and AI will together be able to provide insightful answers to complex questions shaping the contemporary research landscape (Chellappan and Krishnan, 2018).

For AI and OS to unleash their full potential, several challenges need to be addressed. It is mandatory to use AI ethically and responsibly, ensuring that algorithms are fair, transparent, and privacy friendly. Similarly, promoting open science requires cultural and institutional changes that recognize and reward collaboration and sharing within research community. Furthermore, we need to ensure that open science and AI do not reinforce existing inequalities, but rather allow equitable access to knowledge.

This conference offers a solid ground to explore unprecedented opportunities and challenges to scientific research in the light of open science and artificial intelligence. Together, we can expand knowledge boundaries, enhance research practices, and contribute meaningfully to take research to the next level.

CONFERENCE THEMES

Proposed general themes are (but not limited to):

- What does AI/OS encapsulate? opening the black box.
- AI/OS Potentials and opportunities to enhance scientific research.
- AI/OS: Stakes and consequences for research.
- What do we need to fully leverage AI/OS potentials? Skills, training, resources...
- AI/OS: access to, and use of scientific research.
- Accuracy, rigor, bias, pitfalls, and other related issues.
- Ethics, privacy, and legal issues...

Series of specific themes are dedicated to AI/OS and Management Research:
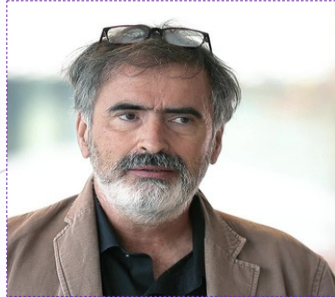
- How can AI/OS contribute to advance Management Research?
- What do Management researchers need to advance Research using AI and OS?
- Challenges and opportunities of AI/OS for Management Research.
- AI/OS: research questions, results, and perspectives in Management research fields as:
  - Human resources management.
  - Marketing.
  - Strategic management.
  - Finance.
  - Manufacturing and supply chain management.
  - Organization...etc.

Any other communication proposals not listed above will be thoroughly reviewed by the scientific committee.

The Event will feature a plenary session with keynote speakers, oral communications, and posters.

KEYNOTE SPEAKERS

We are delighted to inform you that we are hosting prestigious keynote speakers in our event. These renowned experts, specialized in the fields of artificial intelligence, open science and new research approaches and methodologies, will share their know-how as well as their scientific breakthrough and expertise. Their contributions are promising to greatly enrich the discussion, providing participants with invaluable information and insights.

COLIN DE LA HIGUERA

Professor of Computer Science at Nantes University (France). His research focuses on Machine Learning and Artificial Intelligence. He was the founding president of SIF (French Society of Computer Science). In 2021, UNESCO renewed the Chair he holds in "Open Educational Resources and Artificial Intelligence".

AHMED TLILI

Associate Professor of Educational Technology and co-director of the OER Lab at the Smart Learning Institute at Beijing Normal University (BNU, China). He also holds the position of visiting professor at UNIR University in Spain. Dr. Tlili has published many academic papers in peer-reviewed international journals.

KEYNOTE SPEAKERS

ENRIQUE FRIAS MARTINEZ

He Works as a Senior Researcher in applied Artificial Intelligence with over 15 years' experience at UNIR-iTED (Research Institute for Innovation Technology in Education), Enrique Frias-Martinez was rewarded for the best Ph.D. thesis from the School of Computer Science.

BARBARA CLASS

Research and teaching collaborator at TECFA, Faculty of Psychology and Education Sciences. She has extensive experience in teaching qualitative research methodology, teaching and learning research, open education and openness as an emerging paradigm. She is the founder and editor of a new Scientific Journal: Open and Free Education.

KARIM BAÏNA

Full Professor of computer sciences at ENSIAS Mohamed V University. He is IBM MEA University Instructor. His Current research & consulting focus on Big Data, AI, ML & IS. He has more than 90 int. Scientific publications, and he has been invited more than 20 times as keynote speaker in International Conferences.
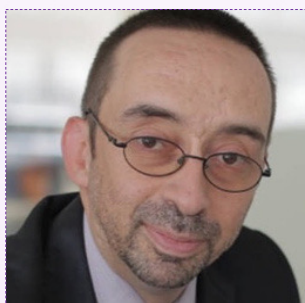
KEYNOTE SPEAKERS

KHALID BERRADA

Director of ICESCO Chair on Open Education (2023-2027). He is also the director of Higher Education and Pedagogical Development at the Ministry of Higher Education, Scientific Research, and Innovation. He holds UNESCO Chair on "Teaching Physics by Doing" and has co-authored several research papers and books.

HANAE ELRHOUL

Professor at the School of Information Sciences. She is also an advisor to the Minister of Higher Education and Scientific Research. Hanae is the chapter lead of Creative Commons, Morocco, and President of the Moroccan association for the development of scientific and technical information. Additionnaly, she holds the position of an associate editor. DOAJ (Directory Of Open Access Journals)

DANIEL BURGOS

Director of UNIR iTED Research Institute and the UNESCO Chair on e-Learning. He has published over 200 scientific papers, 30 books, and 15 special issues in indexed journals. He has led more than 55 European and global R&D projects with a practical implementation approach.

Daniel Burgos holds 12 PhD degrees in Communication, Computer Science, Education, Anthropology, Business Administration ....

SUBMISSION STANDARDS

The ICAIOS 2024 is open to participants who want to share their research, work, innovative initiatives, and best practices. Their contribution should focus on scientific research developed by teams engaged in projects related to AI and OS. Thus; We welcome:

- **Oral presentations (full paper required)**

Selected papers for an oral presentation will be presented during the plenary session according to the selected themes. All papers will have a maximum duration of 10 minutes for presentation.

- **Poster presentations**

Papers selected for poster presentation must be exhibited the first day of the event. Poster authors will be invited to stand in front of their posters, to present their project and answer questions during Coffee breaks. Recommended dimensions for posters: dimensions 90 cm high by 80 cm wide max / vertical design.

- **Structure of the full paper**

The abstract must include research context, theoretical background, methodology, and results.
Instructions for authors:

Text font: Times New Roman 12.
Title: Times New Roman 14 bold with 1.5 line spacing
Authors and affiliations: underline corresponding author.
Authors last and first names: must be in lower case and in bold, and initials in upper case.
Affiliation: Times New Roman 12 font in Italics with single spacing.
Abbreviations: must be defined use.
General information: One-page maximum, single-spaced, Times New Roman font 12, margins 2.5.

Full papers can be either in English or French, and should be submitted in PDF format, exclusively online using:

ICAIOS2024@GMAIL.COM

DOCTORAL WORKSHOP: REINVENTING PHD

IMAGE GENERATED BY ARTIFICIAL INTELLIGENCE

"We approach the thesis as an adventure, we experience it as a journey, we leave it as a dream... Beyond generalities... Each experience is unique. Yet; the difficulties and the joys of the trajectory are similar and those who have experienced them can make their experience a guide for others."

The first objective of this initiative is to support PHD students in the success of their thesis project while enjoying the process. Doctoral Workshop, which is fully integrated into this conference, offers a space for exchange and meeting for PHD students from various backgrounds, wishing to share their thesis paths through various means of expression such as comics, poetry or visual art. Future participants are encouraged to present their experiences in creative ways, sparking rich and varied discussions. Researchers and experts will be invited to evaluate these presentations, offering partnership opportunities and solutions to raised challenges. This workshop aims at supporting PhD students in their thesis journey while promoting interdisciplinary collaboration and innovation.

Given that the doctoral workshop has a limited number of places, applications will be evaluated by the organizing committee of the event according to the quality and originality of the submitted applications. Candidates interested in participating and sharing their experiences or suggestions are invited to consult **(Call for Workshop)** available on the platform.

PUBLICATION OPPORTUNITIES

Selected papers will be published under special issue of an indexed journal (guidelines will follow soon and will be available on ICAIOS2024.SCIENCESCONF.ORG)

The editorial board and the scientific committee will select high quality papers for consideration to be reviewed for publication in **Springer Journals**

IMPORTANT DATES & DEADLINES

June 29, 2024: Launch of the call for papers

September 01, 2024: Deadline for submission of full papers

September 10, 2024: Notification on the Acceptance of papers and response from the scientific committee

October 24-25, 2024: Conference

PARTICIPATION FEE

1000 MAD (100 €) Researchers, professional practitioners and business community

700 MAD (70 €) Doctoral students

These fees cover access to the sessions, documentation, coffee breaks and lunches

HONORARY COMMITTEE

MESRI
UNESCO
UNIMED
ICESCO

ORGANIZING COMMITTEE

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DANIEL BURGOS: UNIR, (SPAIN), **CO-CHAIR OF THE ICAIOS 2024 CONFERENCE**

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