Artificial Intelligence for Digital and Sustainable Transition (AIDIST'2026)

5 Edition International Citizen Forum on Education and Interdisciplinary Research ICFERI

Conference

Information and Registration

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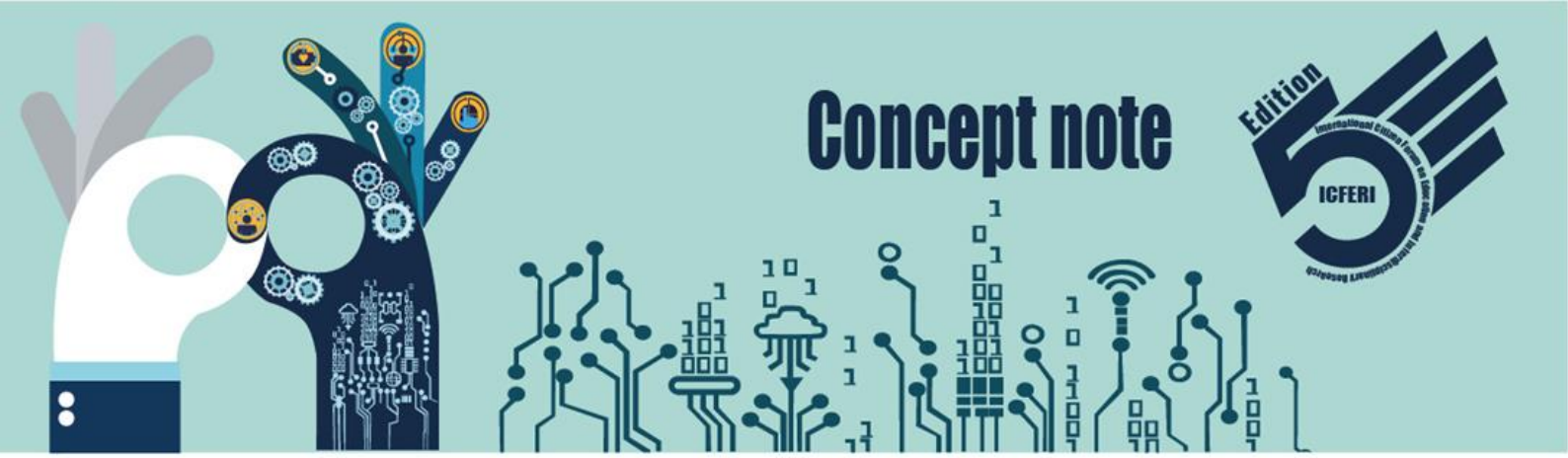
October 29 - 30–31 2026

El Mouradi Gammarth Hotel, Tunis, Tunisia

Organizers

Preferred Partners

Partner



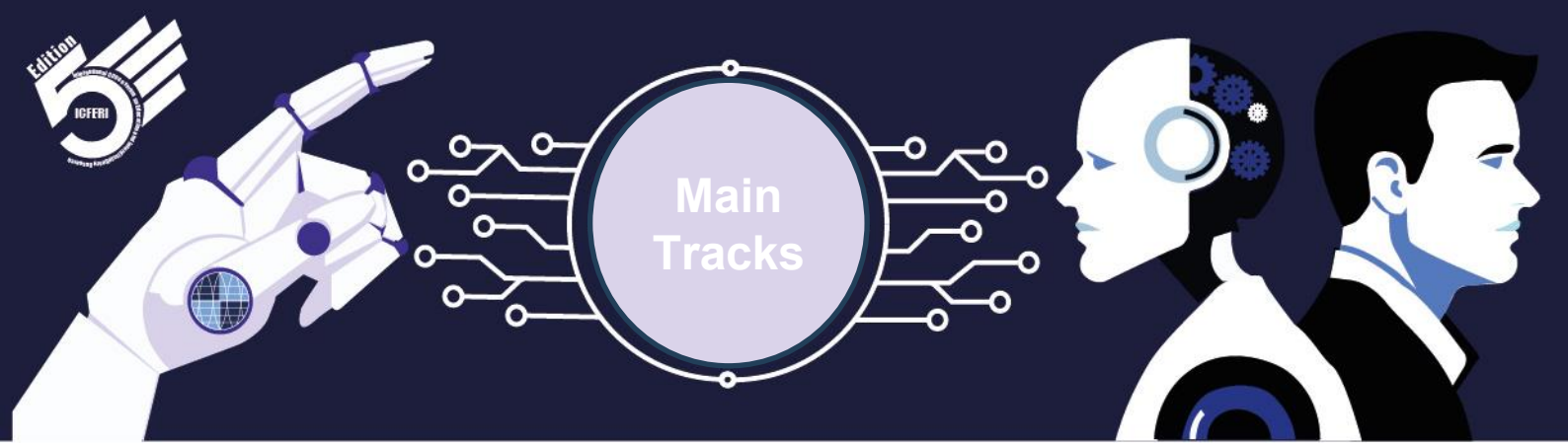
Artificial Intelligence (AI) is rapidly establishing itself as one of the most transformative technologies of the 21st century, redefining the boundaries of innovation and opening new perspectives in response to global challenges. Its impact extends across key sectors such as industry, healthcare, education, environment, and finance. AI acts as a powerful catalyst, capable of optimizing processes, stimulating creativity, and offering sustainable solutions to the complex problems of our time.

However, this technological revolution also brings significant scientific, ethical, societal, and environmental challenges that demand thorough reflection and interdisciplinary collaboration.

The conference **Artificial Intelligence for Digital and Sustainable Transition (AIDIST'2026)** is part of the fifth edition of the **International Citizen Forum on Education and Interdisciplinary Research (FCIERI)**. It aims to explore how AI can contribute to a profound and balanced transformation of our societies, while addressing the critical issues linked to its deployment.

The central question guiding the conference is as follows: How can AI become the driving force of a digital and sustainable revolution, combining innovation, scientific progress, and ethical and environmental responsibility?

To answer this question, contributions to the conference will be organized around five interrelated tracks, each addressing a key dimension of AI's impact on society.



Track 1 : **AI as a Catalyst for Ecological Resilience**

Track 2 **: AI and Healthcare**

Track 3 : **Citizenship and Ethics in the Era of AI**

Track 4 : **AI in Industry and Services**

Track 5 : **Theoretical and Methodological Aspects of AI**

All innovative work—whether theoretical or practical—related to these themes is welcome. By bringing together experts, researchers, and practitioners from diverse backgrounds, the AIDIST'2026 conference aims to provide a platform for dialogue and reflection on innovative and responsible AI. This will be achieved through the presentation of recent research, industrial developments, and original applications.

Track 1 : **AI as a Catalyst for Ecological Resilience**

This track explores how AI technologies can contribute to ecological resilience and to building a more environmentally conscious society by optimizing the use of natural resources, reducing the environmental impact of human activities, and promoting more sustainable economic models. The contributions within this theme will highlight concrete advances in AI applied to areas such as renewable energy management, biodiversity preservation, greenhouse gas emission reduction, and climate change mitigation.

This track is intended for AI researchers and practitioners, with a focus on scientific and technical contributions that address the challenges of sustainable development. Submissions may include, for example, intelligent resource management systems, real-time ecosystem monitoring models, or tools to raise awareness of ecological issues.

Topics (non-exhaustive list)

- AI and the sustainable management of natural resources
- AI for energy and ecological transition
- AI for biodiversity and ecosystem preservation
- AI for sustainable agriculture and responsible food systems
- Smart and sustainable cities
- AI for combating climate change
- AI for circular economy and sustainable innovation
- AI for environmental awareness and education
- Green AI: towards sustainable and low-impact artificial intelligence

Track 2 : **AI and Healthcare**

Artificial Intelligence is playing an increasingly prominent role in the healthcare sector—whether in patient care, the management of medical resources, or even in diagnostic processes. Thanks to machine learning algorithms and advanced AI models, it is now possible to analyze vast amounts of biomedical data, detect diseases at an early stage, and tailor treatments based on genetic profiles, clinical data, and environmental information—particularly through the use of connected devices.

AI also helps optimize hospital workflows, automate the detection of anomalies in medical imaging, and support researchers in the discovery of new drugs. As a catalyst for the digital and sustainable revolution, AI promotes more accessible, efficient, and responsible medicine, offering innovative solutions to the pressing challenges faced by healthcare systems.

However, these advances also raise major concerns around ethics, data protection, and algorithmic transparency.

This track of the AIDIST'2026 conference will explore the concrete applications of AI in healthcare, its opportunities and limitations, and will shed light on future prospects in this rapidly evolving field.

Topics (non-exhaustive list)

- L'IA pour le diagnostic et la décision médicale
- L'IA et la médecine préventive, prédictive et personnalisée
- L'IA en imagerie médicale
- L'IA au service des parcours patients
- L'IA au service de la découverte de médicaments
- Chatbots, NLP et interfaces en santé
- L'IA en santé : enjeux éthiques, réglementaires et sociétaux
- L'IA et la santé publique
- L'IA en recherche biomédicale et bio-informatique
- IA et dispositifs médicaux intelligents

Track 2 : **AI and Healthcare**

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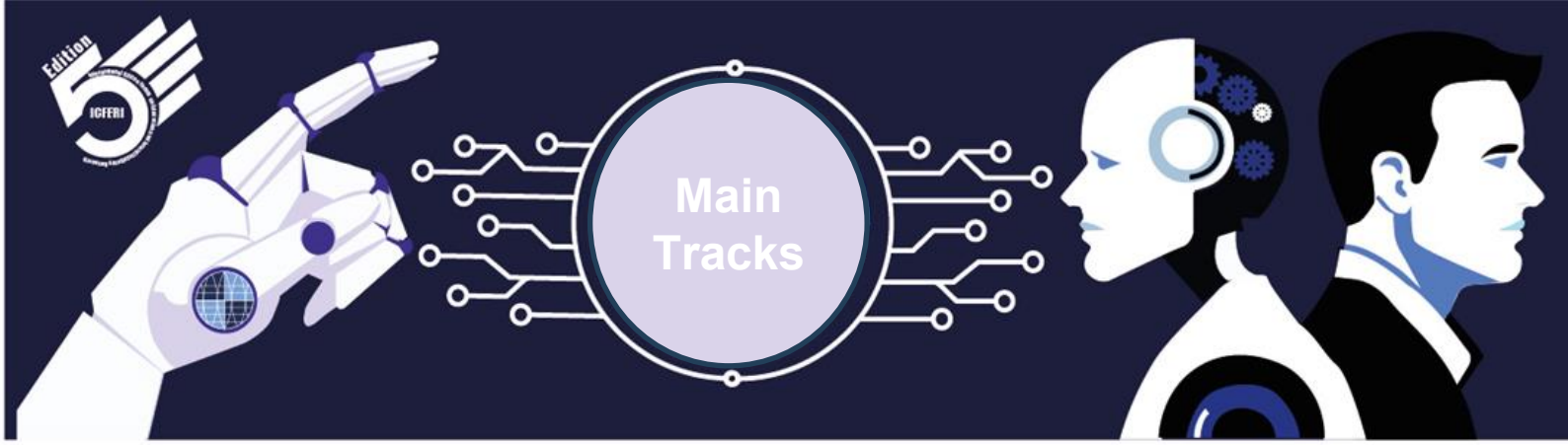

Topics (non-exhaustive list)

- AI for diagnosis and medical decision-making
- AI in preventive, predictive, and personalized medicine
- AI in medical imaging
- AI for patient journey management
- AI in drug discovery
- Chatbots, NLP, and health-related interfaces
- AI in healthcare: ethical, regulatory, and societal challenges
- AI and public health
- AI in biomedical and bioinformatics research
- AI and smart medical devices

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Track 3 : **Citizenship and Ethics in the Era of AI**

Artificial Intelligence is profoundly reshaping social interactions, political dynamics, and ethical challenges in our increasingly digitized societies. This track explores how AI influences citizenship, human relationships, and democratic systems, while highlighting the scientific and technical challenges involved in ensuring its ethical and responsible development.

The contributions under this theme will examine how AI can serve as a lever for informed citizenship and a fairer society. They will address critical issues related to AI applications in areas such as digital democracy, the fight against misinformation, intelligent surveillance, and the protection of individual freedoms.

A cornerstone of this track is Explainable AI (XAI), which aims to make algorithms transparent, fair, and accountable. Scientific contributions will demonstrate how AI techniques—such as natural language processing (NLP), sentiment analysis, and behavior modeling—can be used to strengthen public trust, ensure compliance with legal standards, and promote ethical decision-making.

Special attention will be given to generative AI, whose widespread adoption represents a major technological shift impacting all areas of society (education, research, employment, creativity, the environment, etc.). The technical and ethical challenges are numerous and include algorithmic bias, data protection, and the reliability of information.

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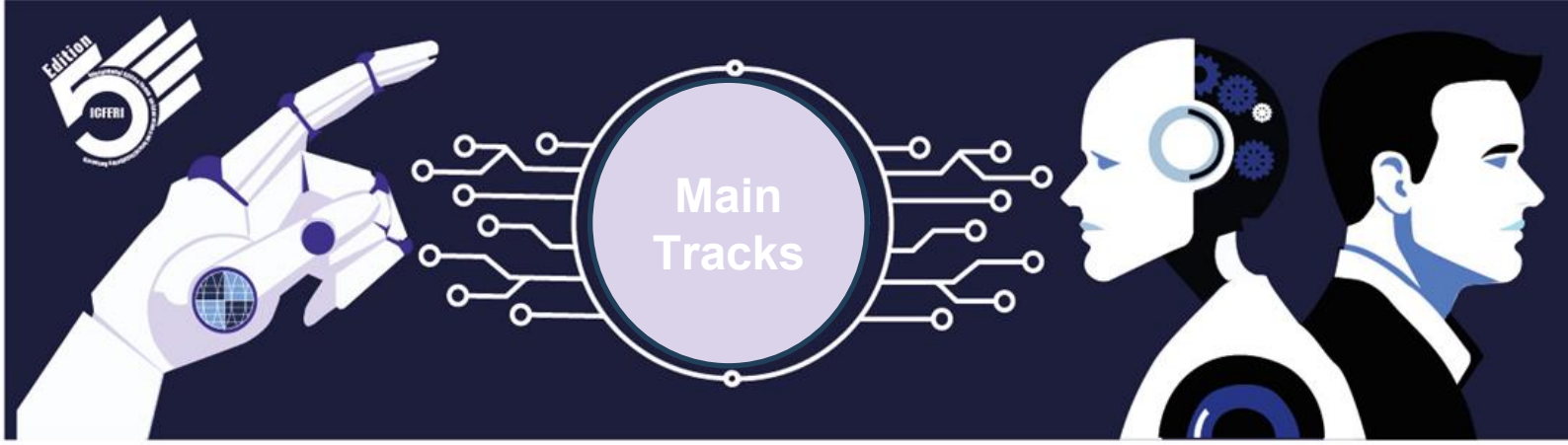

Contributions may include case studies, algorithmic models, or frameworks designed to enhance the transparency, fairness, and accountability of AI systems in various contexts such as social media, elections, or personal data governance.

Topics (non-exhaustive list)

•AI and Digital Humanities (Historical, Cultural, Social Data, etc.)
•Democracy and Politics in the Age of AI
•Intelligent Surveillance, Protection of Freedoms and Personal Data
•Explainable AI (XAI) and Ethics
•AI and Social Media
•AI for Education and Research
•AI Governance and Regulation

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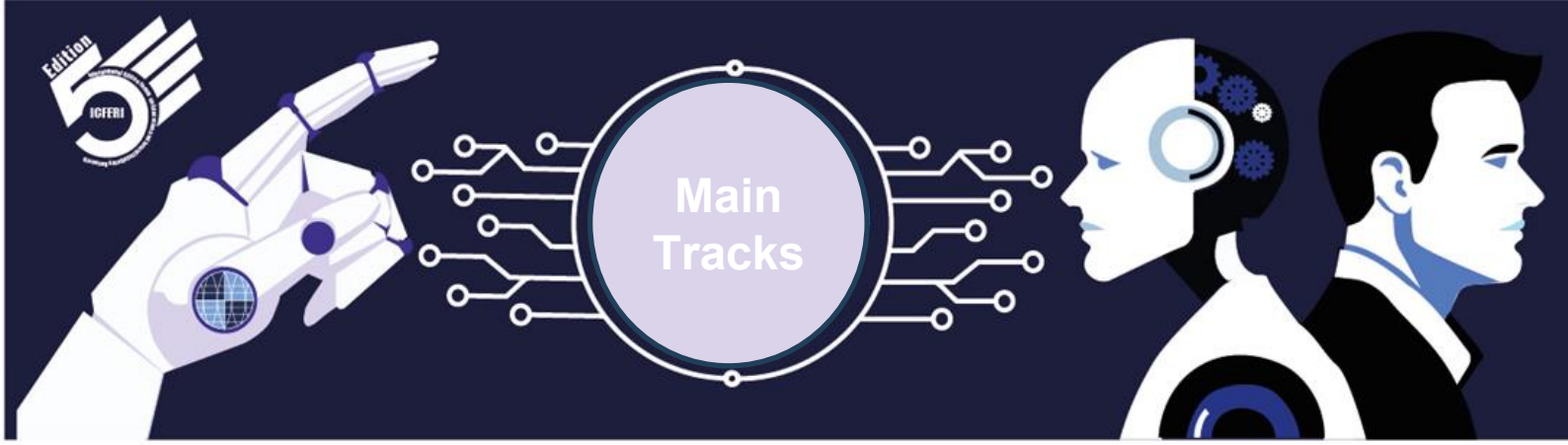
Track 4 : **AI in Industry and Services**

AI is profoundly transforming the manufacturing landscape throughout the product lifecycle by accelerating operational excellence from design to maintenance, including production and logistics. It also enables improved services by providing innovative solutions to complex challenges and optimizing processes. This axis focuses on the integration of AI in strategic areas, such as equipment design, manufacturing and maintenance, supply chain monitoring, transportation, incident prediction, and banking automation. Advances in AI are rethinking traditional economic and industrial models, creating new opportunities for businesses, financial institutions, and regulators. This axis highlights cutting-edge technologies such as machine learning, IoT (Internet of Things), CPS (Cyber Physical Systems), and blockchain by exploring their impact, innovation potential, and associated ethical challenges. Cybersecurity is a major challenge to consider. Cyberattacks exploiting vulnerabilities in new AI models pose a significant threat that can disrupt the proper functioning of these new solutions and affect users' private data. Providing secure solutions and including real-time detection capabilities for vulnerabilities and potential intrusions is an absolute necessity to reassure users and successfully navigate this digital transition in industry and services.



Topics (non-exhaustive list)

- AI and Operational Excellence
- AI for Tomorrow's Design and Engineering
- AI in Industrial Production and Manufacturing
- AI for Advanced Equipment Maintenance and Management
- AI in Transportation and Logistics
- AI in Finance and Banking
- AI and Blockchain in Finance
- Impact of AI on Customer Experience
- Ethics and Regulation of AI in Industry and Services
- AI in Public Services
- AI and Cybersecurity
- AI and IoT (Internet of Things)
- AI and CPS (Cyber Physical System)

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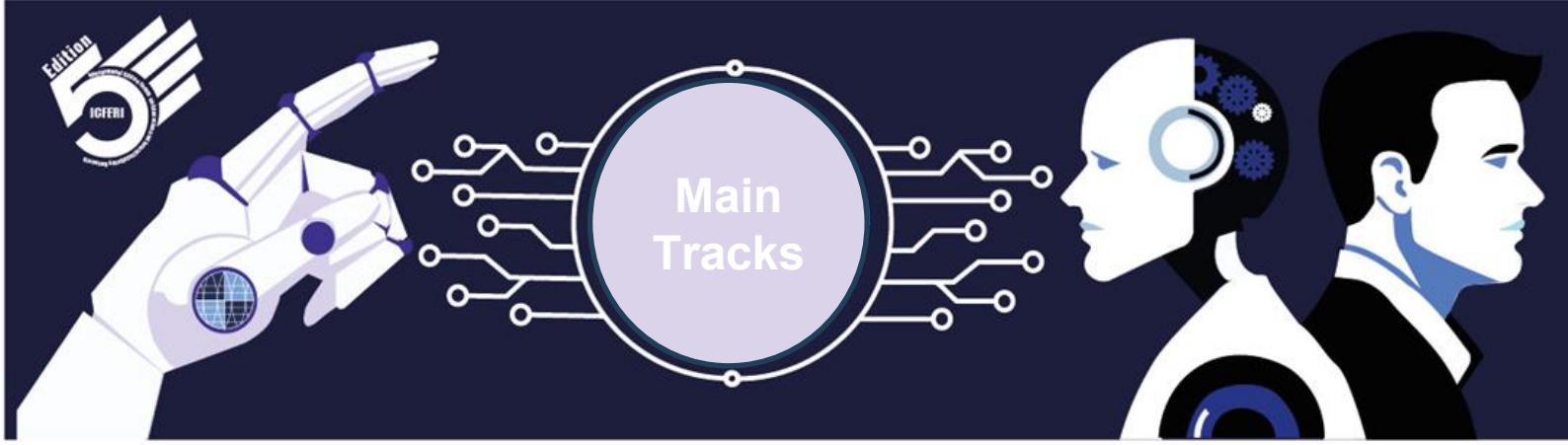
Track 5 : **Theoretical and Methodological Aspects of AI**

Artificial Intelligence relies on fundamental advances in mathematics, computer science, and cognitive science, which shape its applications and evolution. This theme explores the theoretical developments, formal models, and innovative methodologies underlying AI systems, while examining their practical implications and limitations. Expected contributions in this theme will cover both conceptual advances (e.g., new learning paradigms, causal reasoning, and formal computational logics) and methodological challenges (robustness, generalization, interpretability). Particular attention will be paid to interdisciplinary approaches, the formalization of algorithmic biases, and critical evaluation methods for AI systems.

This theme encourages seminal work, epistemological analyses, and unifying frameworks, while remaining open to technical innovations (LLMs, optimization, multimodal processing, etc.) as long as they are accompanied by substantial theoretical reflection..

Topics (non-exhaustive list)

- Machine Learning Theory
- AI for Optimization
- Knowledge Representation and Processing
- AI and Reasoning
- Explainable AI (XAI) and Interpretability



Topics (non-exhaustive list)

- Multimodal Processing (NLP, Vision, Audio)
- Foundations of LLMs and Generative Models
- Complex Data Processing
- AI Agentics
- AI and Big Data
- AI and Computer Security
- AI and Software Engineering
- AI and Various Applications

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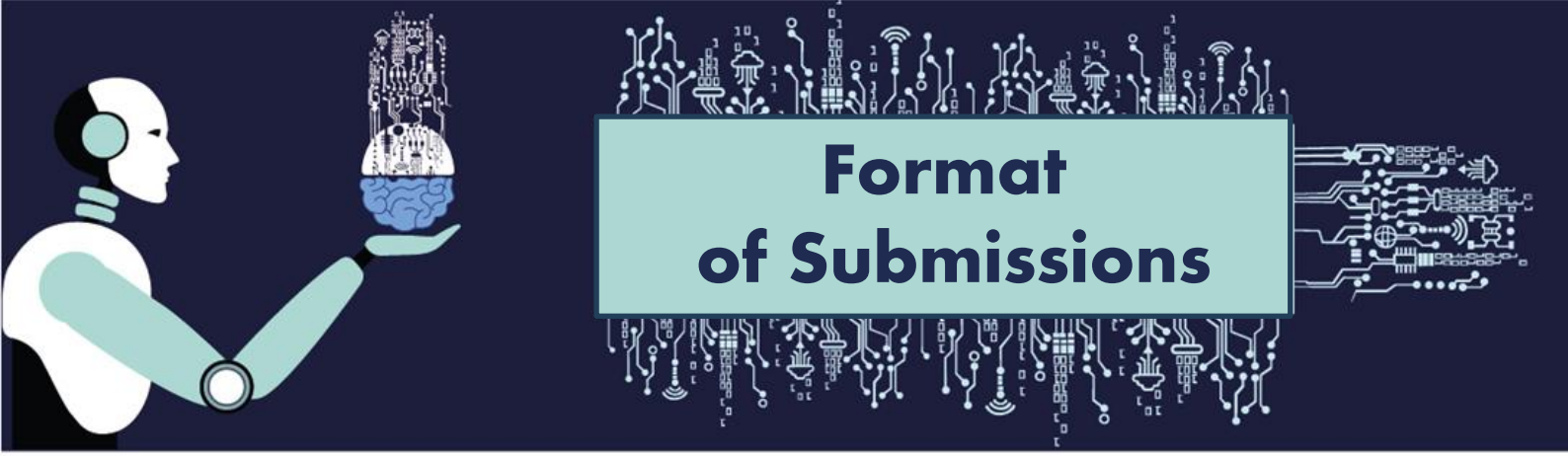
The AIDIST'2026 conference is launching a call for papers for original and innovative research in the field of Artificial Intelligence. We invite researchers, practitioners, and experts to submit scientific articles that make a clear and significant contribution to the advancement of knowledge in AI and its applications in strategic sectors.

Topics (non-exhaustive list)

Contributions must fall within at least one of the conference's five themes, while also providing clear technical, scientific, or applicative innovation:

- Theme 1: AI as a lever for ecological resilience
- Theme 2: AI and health
- Theme 3: Citizenship and ethics in the age of AI
- Theme 4: AI in industry and services
- Theme 5: AI: theoretical and methodological aspects



Format of Submissions

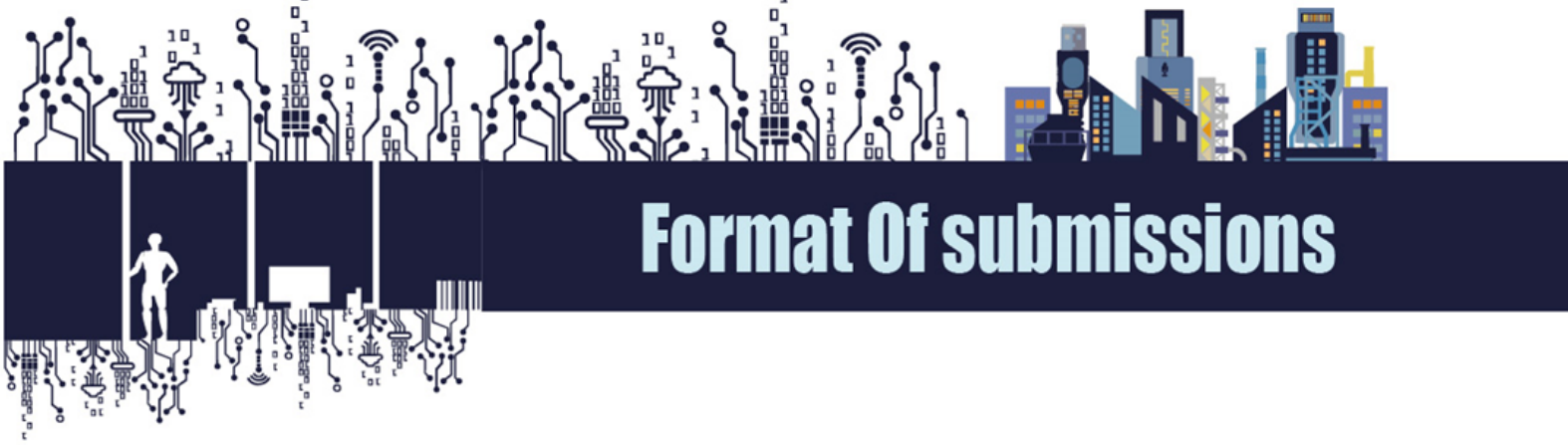
Two submission formats are accepted

Long papers

- Articles presenting successful theoretical or practical research, with substantial results and in-depth analysis
- Literature review articles (survey) synthesizing and analyzing the current state of knowledge
- Selected long papers will be presented orally at the conference

Short papers

- Papers describing work in progress, preliminary studies, or partial results. Short papers that are selected will be presented in a short oral presentation and as posters during a dedicated session.



Format Of submissions

The papers must be written in English and follow the following format:

Long papers

- Maximum of 8 pages (including bibliography).

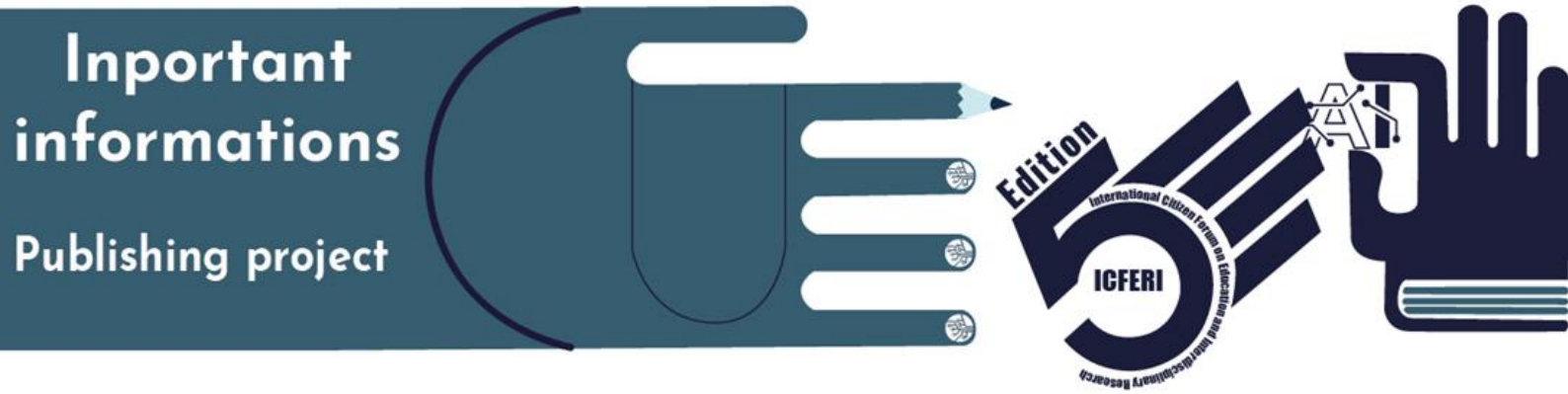
Short papers

- Maximum of 6 pages (including bibliography).

N.B.: Submissions must follow the conference template (available on the symposium website) and be submitted through the designated platform.

Criteria for assessing contribution proposals

Each submission will be evaluated by at least 2 reviewers. The evaluation criteria used are:



Accepted papers will be published in the conference proceedings. A selection of the best contributions may be considered for publication in partner scientific journals.

Important dates

Submission deadline: February 28, 2026

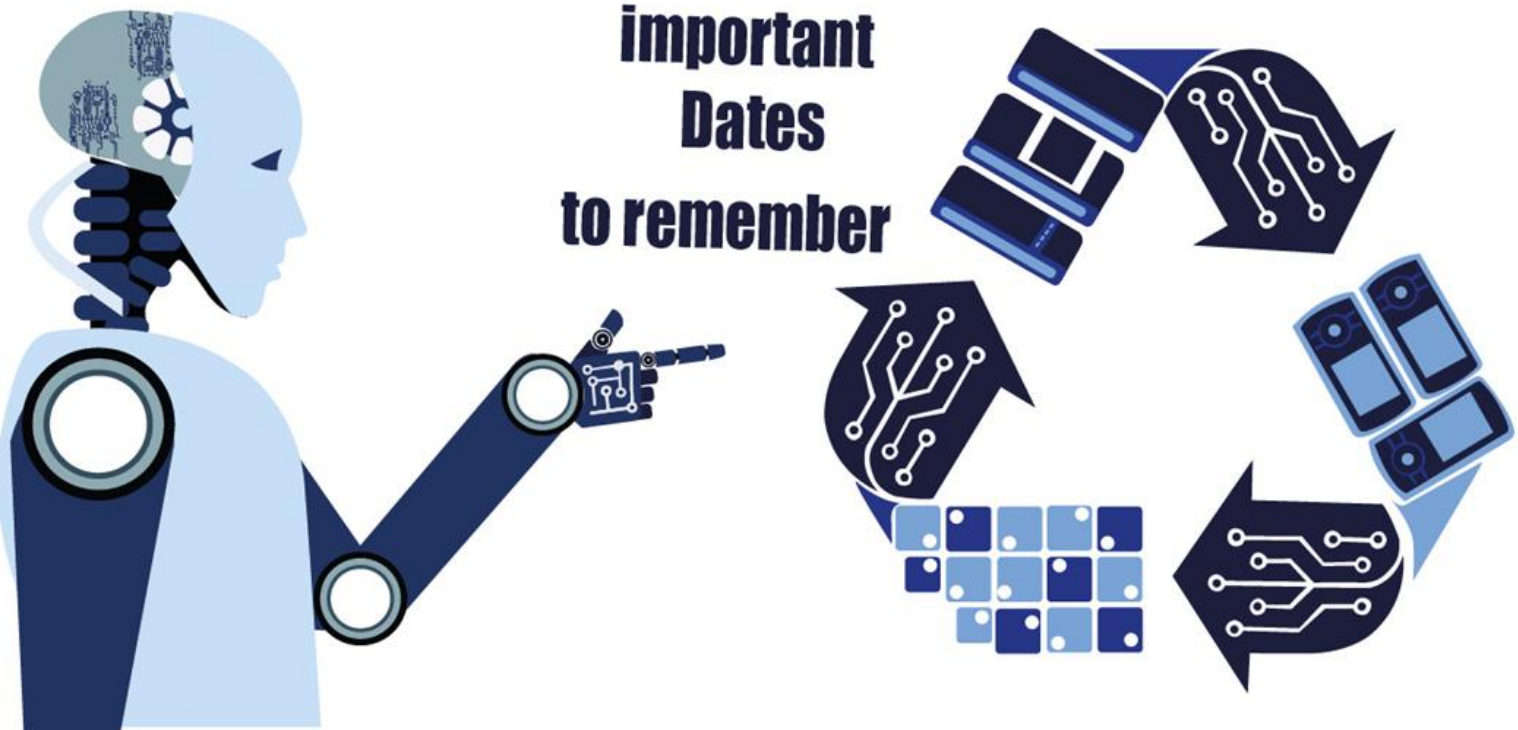
Notification of acceptance: April 30, 2026

Final version submission: June 1, 2026

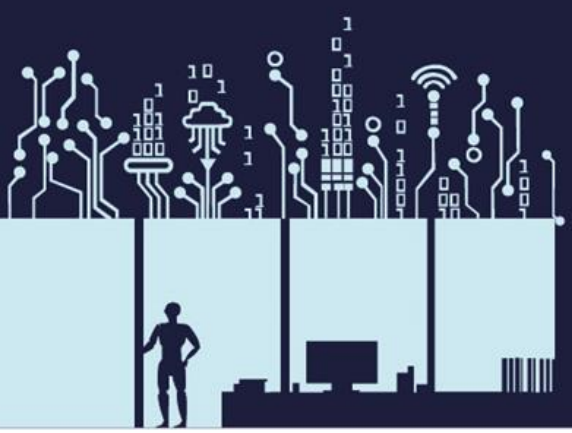
Deadline for speaker registration: May 30, 2026

Deadline for non-speaker registration: May 30, 2026

Conference dates: October 29, 30, and 31, 2026



Steering Committee



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Scientific Committee

Chair

Pr. Amel Borgi

Chair of the scientific Committee

Higher Institute of Computer Science (ISI)

University of Tunis El Manar

Biography

Amel Borgi is a Professor of Computer Science at the Higher Institute of Computer Science and a researcher at the LIPA Laboratory, University of Tunis El Manar. She received her Ph.D. in Computer Science from the University of Paris VI in 1999 and her habilitation (HDR) from the University of Carthage in 2012.

Her research interests lie in machine learning, evolutionary algorithms (particularly genetic algorithms), and reasoning under uncertainty, with a focus on fuzzy and multivalued logic. She applies these methods to real-world problems in bioinformatics and healthcare, addressing challenges related to imperfect, imprecise, and complex data.

Scientific Committee

Co-chair

Pr. Ahmed Fakhfakh

Co-Chair of the Scientific Committee

Director of the Digital Research Center of Sfax

Biography

Ahmed Fakhfakh is a Full Professor at the National School of Electronics and Telecommunications of Sfax (ENET'Com), University of Sfax, Tunisia, a position he has held since 2015. Since 2023, he has also served as the General Director of the Sfax Research Center in Digital Technology (CRNS).
He obtained his HDR (Habilitation à Diriger des Recherches) from the University of Sfax in 2009, his Ph.D. from the University of Bordeaux, France, in 2002, and his engineering degree from the National School of Engineers of Sfax (ENIS), Tunisia, in 1997.

Professor Fakhfakh leads the research group *"Intelligent Systems: Design and Implementation"* within the Signals, Artificial Intelligence, and Networks Laboratory (SMeRTS) at CRNS. His research focuses on developing intelligent solutions for energy management in smart electrical grids, designing and implementing Internet of Things (IoT) systems, energy-efficient wake-up mechanisms for wireless sensor networks, and energy harvesting technologies.

Committee Scientific

Inter-Axis Coordinator

Inter-Axes Chair

Wael Ouarda is a researcher at the Digital Research Center of Sfax (CRNS), where he is a member of the Brain4ICT team. He holds a PhD in Computer Science and conducts research in the field of Artificial Intelligence, with a particular focus on machine learning, deep learning, computer vision, and natural language processing. His work spans a variety of application domains, including human activity recognition, sentiment analysis on social media, cardiac arrhythmia detection, and intelligent systems for smart cities.

He is the author of numerous scientific publications and actively involved in collaborative research projects at both national and international levels.

Inter-Axes Co-chair

Nidà Meddouri is an Associate Professor at the EPITA Research Laboratory in Electronics (LRE) since September 2022. She is part of the "Security and Systems" group, where she focuses on machine learning and its applications.

Prior to this role, she held several academic positions: postdoctoral researcher at GREYC (University of Caen), Assistant Professor at Mines Saint-Étienne, and teaching and research assistant (ATER) at the IUT of Ifs – University of Caen. She also served as an Assistant Professor at the University of Jeddah in Saudi Arabia and taught at various institutions in Tunisia.

She holds a PhD in Computer Science, awarded in 2015 by the Faculty of Sciences of Tunis. Her research mainly focuses on the foundations of data mining, formal concept analysis, machine learning, and explainable artificial intelligence..

Scientific Committee

Track Chairs

Track 1

- Chairholder and Director of the Laboratory of Integrated Signals and Systems (LSSI)
- Research Chair in Signal Processing and High-Performance Intelligent Systems
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- Member of the LAMSADE Laboratory (Université Paris Dauphine)
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Sana Ben Hamida Mrabet

Track 2

- Coordinator of the Franco-Tunisian PHC Utique project *OCTIPA: OCT Image Processing and Analysis*
- University Ambassador of the NVIDIA Deep Learning Institute (DLI)
- Member of the LRBTM Laboratory
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Fadel Touré

Scientific Committee

Track Chairs

Track 3

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- CPPC – Translation
- Department of Modern Languages and Translation
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Eric Poirier

Track 4

- Member of the SERCOM Laboratory | EPT
- Head of the Codesign and Smart IoT Group
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Scientific Committee

Track Chairs

Track 5

- Undergraduate Program Committee Director - Mathematics and Computer Science
- Director of the Applied Artificial Intelligence Laboratory (LI2A)
- Department of Mathematics and Computer Science
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Nadia Ghazzali

- Head (Tunisian side) of the T2XAIBC research project "Tunisia Turkey eXplainable AI for Mammography-based Breast Cancer Diagnosis"
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Walid Barhoumi

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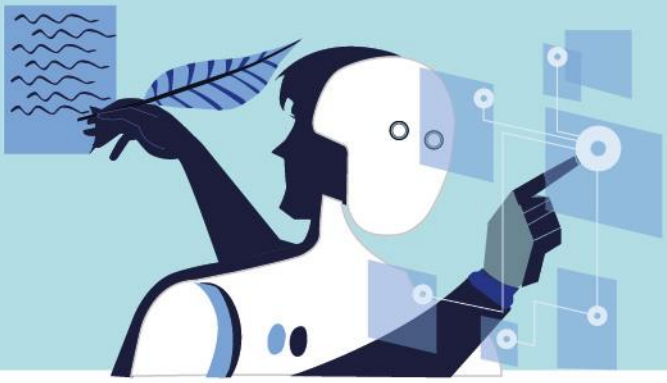

Organizers

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