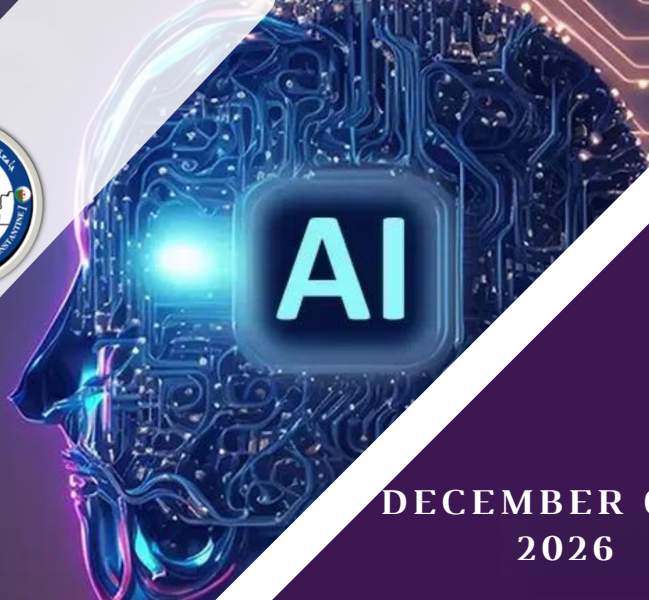




ICAITC'2026

The Second International Conference on Artificial Intelligence & Telecommunication

DECEMBER 01,02
2026



ICAITC'2026

The 2nd International Conference on Artificial Intelligence & Telecommunication (ICAITC'26) will be held on December 1 and 2, 2026. This second edition is organized by the Vice-Rectorate in charge of Postgraduate Studies and Scientific Research and its Artificial Intelligence House, in collaboration with the Faculty of Technology Sciences of Constantine 1 – Frères Mentour University and the Satellites, Artificial Intelligence, Cryptography and Internet of Things Laboratory (LSIACIO).

Following the success of its first edition, ICAITC'26 aims to strengthen scientific collaboration by bringing together researchers, academics, experts, and industry professionals working in artificial intelligence, telecommunications, intelligent electronics, and emerging smart technologies. The event will provide a multidisciplinary platform to exchange innovative ideas, present recent research advances, address current challenges, and explore cutting-edge scientific directions.

The conference will address a broad spectrum of themes related to AI-driven wireless communication, IoT infrastructures, intelligent electronic systems, cybersecurity strategies, and digital transformation. Discussions will focus on emerging protocols, secure architectures, optimization techniques, and applications across critical sectors such as smart cities, healthcare, agriculture, transportation, and energy. Special attention will be given to the role of artificial intelligence and cryptography in securing, optimizing, and automating modern wireless and embedded systems.

Authors are invited to submit original and unpublished papers including theoretical contributions, experimental investigations, application-oriented studies, surveys, and industrial demonstrations.

Conference Tracks:

TRACK 1: ARTIFICIAL INTELLIGENCE

- MACHINE LEARNING AND DEEP LEARNING
- COMPUTER VISION & PATTERN RECOGNITION
- NATURAL LANGUAGE PROCESSING
- FEDERATED LEARNING
- EXPLAINABLE AND RESPONSIBLE AI
- AI FOR EDGE AND FOG COMPUTING

TRACK 3: INTERNET OF THINGS

- IOT ARCHITECTURES AND FRAMEWORKS
- CYBER-PHYSICAL SYSTEMS
- SMART CITIES AND SMART HOMES
- INDUSTRIAL IOT (IIOT)
- IOT INTEROPERABILITY

TRACK 5: INTELLIGENT ELECTRONICS

- EMBEDDED SYSTEMS DESIGN
- FPGA-BASED ARCHITECTURES
- INTELLIGENT SENSORS AND ACTUATORS
- LOW-POWER ELECTRONICS
- FAULT-TOLERANT AND SELF-HEALING SYSTEMS

TRACK 7: SMART ENERGY

- RENEWABLE ENERGY OPTIMIZATION
- SMART GRIDS AND POWER DISTRIBUTION
- ENERGY HARVESTING TECHNOLOGIES
- DEMAND FORECASTING USING AI
- ENERGY STORAGE AND MANAGEMENT SYSTEMS

TRACK 2: TELECOMMUNICATIONS

- 5G/6G NETWORKS AND BEYOND
- WIRELESS SENSOR NETWORKS
- SATELLITE COMMUNICATION TECHNOLOGIES
- NETWORK MANAGEMENT AND QOS
- MOBILE AD-HOC NETWORKS (MANETS)

TRACK 4: CRYPTOGRAPHY

- CRYPTOGRAPHIC ALGORITHMS AND PROTOCOLS
- SECURITY AND PRIVACY IN IOT
- BLOCKCHAIN AND DISTRIBUTED LEDGERS
- POST-QUANTUM CRYPTOGRAPHY
- SECURE AUTHENTICATION MECHANISMS

TRACK 6: SMART AGRICULTURE

- PRECISION IRRIGATION SYSTEMS
- ENVIRONMENTAL MONITORING SENSORS
- IOT-BASED CROP MANAGEMENT
- AI-DRIVEN PEST AND DISEASE DETECTION
- AGRICULTURAL ROBOTICS

TRACK 8: SMART HEALTHCARE

- WEARABLE MEDICAL DEVICES
- AI-ASSISTED DIAGNOSIS AND PROGNOSIS
- TELEMEDICINE AND REMOTE MONITORING
- MEDICAL IMAGE ANALYSIS
- EMERGENCY RESPONSE AND PREDICTIVE MODELS

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- Pr. ARIS Skander, Dean of the Faculty of Technology, Constantine 1 University, Algeria

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Website :

<https://rs.umc.edu.dz/mia/conferences/icaitc2026>

IMPORTANT DATES

Papers Submission Deadline: ~~September 7, 2026~~

Extended Deadline: October 03, 2026

Notification of Acceptance: October 15, 2026

Camera-ready papers Submission: October 30, 2026

Conference Date: December 01 and 02, 2026

AUTHORS GUIDELINES

- The paper's content must be original and pertinent to one of the conference's topics.
- Authors should adhere to Springer's guidelines and utilize the provided templates for paper preparation, available in both LaTeX and Word formats on the conference website.
- Only PDF files will be accepted.
- Springer also suggests including ORCIDs in the submissions.
- Regular papers should be 6 pages in length including figures and references. Papers exceeding this limit will incur extra charges.
- All papers must be submitted through the CMT Microsoft submission system at <https://cmt3.research.microsoft.com/ICAITC2026>
- An automatic confirmation email will be sent to authors for each successful submission.

PUBLICATION

- Accepted papers will be published in the ICAITC2026 Proceedings, with publication details to be announced soon.
- To have their paper included in the conference proceedings, at least one author must register and present the paper at the conference.

VENUE

Constantine 1 University, Constantine, Algeria

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