



EDiS'2026

The 5th IEEE International
Conference on Embedded &
Distributed Systems

Call for Papers

About

EDiS'2026 is a conference dedicated to the exploration and advancement of IoT, embedded systems, AI, and ML technologies. It aims to address the challenges of developing intelligent, efficient, secure, flexible, and energy-efficient integrated systems across sectors like agriculture, cities, health, and energy.

The event will take place in hybrid mode (on-site and online participation) and will span three days. It consists of a set of plenary lectures led by specialists in their field of interest, and oral communications and poster sessions.

Topics

- Embedded and Real-time systems.
- Internet of Things (IoT).
- Advanced Architectures and Network on Chip.
- Metaheuristics Optimization.
- Parallel and Distributed Computing.
- Artificial intelligence and Its Applications.
- Smart farming.
- Smart Health.

Important Dates

Oran 1 University – Ahmed Ben Bella,
Oran, Algeria

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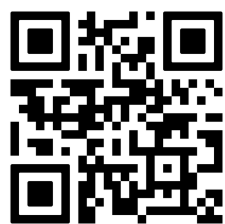
Submission
June 1, 2026

Notification
July 1, 2026

Camera Ready
Sept 10, 2026

Registration
Oct 1, 2026

Conference
Nov 02-05, 2026



visit our
website

Important

All papers must be original and not simultaneously submitted to another journal or conference. English is the official language of the conference. All submitted manuscripts must be in English. Papers must not exceed 6 pages in double column 10pt format.

Dear colleague,

[The Laboratory of Parallel Architectures, Embedded and High-Performance Computing \(LAPECI\)](https://univ-oran1.dz/edis/edis26/) (Oran1 University) is pleased to announce the organization of the 5th International Conference on Embedded and Distributed Systems (EDiS'2026). The conference will be held on November 2-5, 2026, at Oran 1 University. (<https://univ-oran1.dz/edis/edis26/>)

For the first time, EDiS will include two cross-sector workshops: one on precision agriculture (Smart Farming) and the other on Smart Health.

The first workshop, organized with LBRAP and RIIR laboratories, is a special event dedicated to exploring the latest advancements in technology for the agriculture sector. This joint event brings together researchers, developers, and practitioners to explore the exciting intersection of embedded systems, distributed computing, and smart farming technologies.

The second workshop (Smart Health I) will be the first edition, organized on November 4 and 5, 2026. The goal of this event is to inform and raise awareness among operators and decision-makers about the importance of e-health research, particularly the use of the latest artificial intelligence technologies and their medical applications. The idea is to bring together medical experts working in this field with IT specialists in order to implement ideas for dedicated platforms and/or software. The framework is that of pilot projects carried out in collaboration with the medical sector.

EDiS'2026 brings together researchers, developers, and practitioners from around the world to explore the latest advancements in a variety of cutting-edge fields, including:

- **Embedded and Real-time systems:** Design, analysis, and optimization of systems with strict performance and resource constraints.
- **Parallel and Distributed Computing:** Efficient utilization of multiple processors and distributed resources for complex problems.
- **Internet of Things (IoT) in precision agriculture:** Leveraging interconnected sensors and devices to optimize agricultural practices and resource utilization.
- **Artificial intelligence and machine learning:** Development and application of intelligent algorithms for various tasks in diverse domains.
- **Advanced Architectures and Network on Chip (NoC):** Design and implementation of efficient on-chip communication architectures.
- **Multi-Objective Optimization using Metaheuristics:** Efficient search algorithms for finding solutions that optimize multiple competing objectives.
- **Model Driven Engineering (MDE):** Utilizing models to automate various aspects of software development.
- **Communication Networks, Protocols and Security:** Design, analysis, and improvement of secure and reliable communication infrastructure.
- **Automotive Systems:** Advances in technology and methodologies for the development of intelligent and connected vehicles.
- **New Trends in Information and Computing Technology:** Exploring emerging trends and potential future directions in computing and information technology.
- **Smart farming:** Utilizing technology to improve decision-making and resource management in agricultural production.
- **Smart Health :** Applying embedded systems, IoT, and AI to improve healthcare services, monitoring, and diagnostics.

The conference will be in hybrid mode (in person and virtual).

We invite you to submit your research, attend the conference, and join us in shaping the future of technology. All papers must be original and not simultaneously submitted to another journal or

conference. Papers must not exceed 6 pages in double column 10pt format. Templates for LaTeX can be found here: https://www.ieee.org/conferences_events/conferences/publishing/templates.html
Accepted papers will be submitted for possible inclusion in IEEE Xplore, subject to meeting IEEE

Xplore's scope and quality requirements .

To submit a paper, please visit EasyChair conference page:

<https://easychair.org/cfp/EDiS2026>

The conference website: <https://univ-oran1.dz/edis/edis26/>

Important dates and deadlines:

- **Submission deadline: June 01, 2026**
 - **Notification of acceptance: July 01, 2026**
 - **Final version (Camera ready): September 10, 2026**
 - **Conference date: November 02-05, 2026**
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With our best regards,

On behalf of EDiS'2026 organizing committee

Benyamina Abou El Hassane, Oran 1 University , Algeria

Zekri Lougmiri , Oran 1 University, Algeria

Mahmoudi Said , Mons University, Belgique.