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6th Artificial Intelligence Doctoral symposium AID'2025

USTHB
جامعة هواري بومدين للعلوم والتكنولوجيا

Laboratoire de Recherche en Intelligence Artificielle

PRELIMINARY CALL FOR PAPERS
AI in the Era of Quantum Computing
USTHB, November 09-10, 2025

Scope

The Laboratory of Research in Artificial Intelligence (LRIA) of the department of Artificial Intelligence and Data Science (IASD) at the University of Science and Technology Houari Boumediene (USTHB) organizes the 6th Artificial Intelligence Doctoral symposium (AID'2025) to be held on November 9-10, 2025, in Algiers, Algeria at USTHB.

The AID'2025 is open to all PhD students conducting research in Artificial Intelligence (AI) as well as in Quantum Computing, which is gaining increasing importance in solving complex and large-scale problems. AID'2025 will place a particular emphasis on innovative research at the intersection of AI and quantum technologies. The symposium offers a unique opportunity for doctoral students to present their research, receive feedback from domain experts, and interact with other researchers in a dynamic and supportive environment. A selection of the best papers will be presented during oral sessions. The event will also feature invited talks from prominent researchers in both AI and Quantum Computing.

Prospective authors are cordially invited to submit papers in all areas related to Artificial Intelligence and Quantum Computing including, but not limited to, the following topics :

Topics :

Artificial Intelligence

- Machine Learning
- Deep learning
- Data Mining, Graph Mining and Web Mining
- Knowledge Representation and Reasoning
- Generative AI
- Large Language Models (LLM)
- Artificial Vision and Mixed Reality
- Image and Signal Processing
- Object Detection and Recognition
- Social Network Mining
- Ontologies and Semantic Web
- Information Filtering, Retrieval and Foraging
- Natural Language Processing
- Recommendation Systems
- Data Warehouse and Big Data
- Problem Solving and Constraint Satisfaction
- Reasoning under Uncertainty & Fuzzy Logic
- Metaheuristics and Swarm Intelligence
- Agents and Multi-agent Systems
- AI Ethics

Quantum Artificial Intelligence

- Quantum artificial intelligence
- Quantum Machine learning
- Quantum Optimization
- Generative AI
- Quantum Artificial Vision
- Quantum Deep learning
- Quantum Data Processing
- Quantum Reinforcement Learning
- Quantum Natural Language Processing
- Quantum Generative Models
- GPU/GPGPU Computing

Applications

- Health Domain
- Robotics and Industry 4.0
- Applied engineering
- Climate Change
- Green AI
- Disaster Management
- Business Intelligence
- e-Learning
- e-Commerce
- Combinatorial Problems
- Smart Farming & Agriculture 4.0
- Soil Mapping
- Security, Privacy, and Trust
- Timetabling and Scheduling
- Transportation systems
- Chatbots
- Human Resources

Paper Submission

✓ Prospective authors are invited to submit their papers in English, using the Springer ISEM (Information Systems Engineering and Management) formatting guidelines. Full articles should be 8-10 pages.

✓ Papers must be submitted through the Microsoft CMT submission system. To submit, please log in to your Microsoft CMT account then click on Microsoft CMT

✓ Accepted papers will be included in AID'2025 Proceedings and will be submitted to ⌂ Springer.

📅 Important Dates

- Deadline for paper submission: August 15, 2025
- Notification of acceptance: September 20, 2025
- Camera-ready paper due: October 04, 2025

Contact us

For any information related to AID'2025, please contact us at: **aid2025.usthb@gmail.com**

Symposium location : USTHB, Algiers, Algeria

🌐 AID'2025

⌂ Springer **Previous edition published by Springer :** AID'2022