

**International Conference on  
Artificial Intelligence and Digital Humanities: practices, challenges and  
future directions**

**First announcement**

The Information Science and Digital Humanities division at the Research Center on Scientific and Technical Information at Algiers, is delighted to announce the organization of the International Conference on Artificial Intelligence and Digital Humanities: practices, challenges and future directions. This is an interdisciplinary event that aims at bringing together researchers, scholars and practitioners from all related disciplines to share investigations and experiences in the transformative intersection of AI and DH.

**Conference objectives**

The rise of AI is revolutionizing research, analysis, preservation, and mediation practices in the humanities and social sciences. At the same time, digital humanities offer fertile ground for experimenting with new tools, methods, and critical perspectives on linguistic, historical, cultural, and heritage data.

However, in the Algerian context, as in many Arab, African and Mediterranean countries, local knowledge, heritage corpora, national languages, and forms of thought stemming from the social sciences and humanities remain underrepresented in the major international dynamics of the digital humanities and AI. This first edition of the conference, to be held in Algiers in October 2026, aims to raise awareness and give visibility to the research, practices, and issues specific to these regions. It offers a space for interdisciplinary dialogue between researchers, engineers, heritage professionals, artists, librarians, linguists, and computer scientists to explore together the critical, epistemological, and creative potential of AI applied to the humanities, with a particular focus on countries and communities that are underrepresented in these fields.

- **Topics**

We welcome original research papers, case studies and sharing experiences within the non-exhaustive list of topics below:

**Applications and Practices**

- AI-driven text analysis and Natural Language Processing in humanities research
- Digital preservation and restoration of cultural heritage using AI
- AI applications in archaeology, history, and archival studies
- AI in social memory and trauma studies
- AI in creative and cultural practices: literature, art, music, and performance
- Bias, representation and stereotyping in AI-generated cultural content
- AI in critical/computational cultural studies
- Digital storytelling, immersive and interactive experiences (VR/AR, gamification)
- AI-enhanced pedagogy and digital learning in the humanities
- AI for audience engagement, participatory humanities and public cultural practices

**Data and Methods**

- Multilingualism and low-resource languages in digital humanities (corpora, resources and tools)
- Data creation, curation, annotation and sharing for humanities and heritage
- Multimodal cultural datasets (text, image, sound, video) and their challenges
- Computational methods for historical and diachronic analysis
- Knowledge graphs, ontologies, data modeling and semantic technologies
- Collaborative platforms and infrastructures for interdisciplinary research
- Interdisciplinary collaboration: models, challenges and best practices
- Evaluation frameworks and benchmarks for humanities AI applications

**Ethics, Policy, and Perspectives**

- Ethical challenges and responsible AI in the humanities
- Legal frameworks, intellectual property, and data governance in cultural contexts

- Policy, governance, and risk mitigation in AI adoption
- Environmental sustainability of AI infrastructure in humanities research
- Decolonial AI, local knowledge systems, and inclusive digitization
- Global South perspectives on AI and digital humanities

### **Participation opportunities**

**Paper/poster:** submission guidelines TBA

**Special session:** NLP and impact of LLMs for regional low-resourced languages: information TBA.

**Demos:** demonstration of tools

### **Panels:**

**Panel 1:** Ethics, Responsible AI and legal frameworks in Digital humanities.

**Panel 2:** Open access, open data and Digital Humanities.

**Panel 3:** South-south cooperation in AI and Digital Humanities.

### **Publication and diffusion**

All contributions will be peer-reviewed:

- Articles submitted to the main conference and the special session must be written in English. The conference proceedings will be submitted to IEEE.
- Contributions to the panels may be in Arabic, French or English, they will appear in a separate booklet.

Further details regarding participation in the panels will be published later.