

# ICKDM'2023

11-13 December



People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
University of Tiaret  
Faculty of Mathematics and Computer Science  
Department of Computer Science



FIRST INTERNATIONAL  
CONFERENCE ON  
KNOWLEDGE DATA  
MANAGEMENT



## Call for paper

### PREAMBLE

We are pleased to invite you to the Conference “*International Conference on Knowledge Data Management ICKDM'2023*” which will be held on December 11, 12 and 13, 2023 at University of Tiaret (Algeria). This conference will be organized by the Computer Science Department of the Faculty of Mathematics and Computer Science.

The conference mainly aims to address topics of management of Data under its forms structured and unstructured and knowledge content related to social and economic welfare such as healthcare, education and the associated environment with different research applications of artificial intelligence. On the one hand, it could be of great importance in the sense that it will offer a space for promoting the work of researchers and business users and a place for exchanges between them around essential lines of research directly linked to daily life. And on the other hand, it will be able to provide real solutions to known problems that can contribute to the technological development of socio-economic sectors and create innovation work spaces. PhD students will also find a place naturally to present their work-in-progress and share and develop their research ideas in a supportive environment by experts in different research areas.

This scientific event will represent an ideal opportunity to achieve the following objectives:

- Promote the scientific research in the domain of Intelligence artificial and data science, integrate educational technologies dimension as framework able to vehiculate knowledge and data, respecting information security and privacy. The aspect of networking of this big data under efficient infrastructures of all kinds of networks technologies.
- Promote scientific exchanges between international researchers in different fields of specialization in the domain of e-health, industry 4.0, biosensing in the framework multimodal processing.
- Engage in dialogue between researchers and social-business -users in order to create a work space for developing joint projects and digital solutions for local and international eco-systems.

### TOPICS OF INTEREST

The *ICKDM'2023* will provide an opportunity for academic and industry professionals to discuss the latest issues and progress on Data and Knowledge Management. Topics of interest include but are not limited to:

#### Track 1 I.A Foundations and Data Science

- Artificial Intelligence and Machine Learning.
- Formal and Verification Approaches.
- Data Analysis and Decision Support.
- Data Governance and Big Data.
- Biomathematical models.
- Fractional Calculus
- Chat GPT models.

#### Track 2 Educational Technology

- Computational thinking in education
- Artificial Intelligence in Educational
- Information technologies supporting learning
- Ubiquitous learning
- Social context and learning environments
- learning / teaching methodologies and assessment

#### Track 3 Information Security & Privacy & Networking

- Blockchain Technology
- Information Systems and Web Engineering
- Internet of Things (IoT)
- Wireless Body network and nano-networks
- Cloud and Edge Computing

#### Track 4 Multi-modal Processing

- Signal processing
- Image Processing
- Biosensing

#### Track 5 Business Intelligence

- Medical applications
- Industrial applications
- Smart cities and augmented realities

### SUBMISSION & REVIEWING PROCESS

We invite submissions of original research on all aspects of Knowledge Data Management, including listed topics. Submissions must not be published or submitted to a journal and/or conference/workshop with proceedings. Each submission should be at most 6 pages with the [IEEE Format](#). Submissions are to be made to the submission web site:

<https://www.asjp.cerist.dz/en/PresentationRevue/40>. Only Word files are accepted. Submissions not meeting the above guidelines will be rejected without other consideration.

By submitting a paper to ICKDM'2023, the authors agree to the review process and understand that papers undergo a peer-review process. Manuscripts will be reviewed by appropriately qualified experts in the field selected by the Conference Committee, who will give detailed comments and — if the submission gets accepted — the authors submit a revised (“camera-ready”) version that takes into account this feedback.

All submitted papers will be selected based on originality, quality, soundness and relevance. The camera-ready version of accepted papers will have to follow the IEEE guidelines.

### PUBLICATION

Papers presented in the *ICKDM'2023* conference will be recommended to indexed Databases and international journals.



#### Conference Honorary President

Prof. BELGOUMENE Berrezoug, Rector of University of Tiaret, Algeria

#### Conference Honorary Co-President

Prof. LARABI Abderahman Dean of Faculty of Mathematics and Computer Science

#### Conference General Chair

Dr. MERATI Medjeded, Head of Computer Science Department

#### Conference General Co-Chair

Dr. CHADLI Abdelhafidh, University of Tiaret, Algeria

#### Program Committee Chair

Prof. BELARBI Mostefa, University of Tiaret, Algeria

#### Program Committee Co-Chair

Prof. MAHMOUDI Saïd, University of Tiaret, University of Mons, Belgium

#### Organization Committee Chair

Dr. TALBI Omar, University of Tiaret, Algeria

#### Organization Committee Co-Chair

Mr. DAOUD Mohamed Amine, University of Tiaret, Algeria

#### Communication & Publicity & Sponsoring committee

Dr. Boudjemaa BOUDAA Chair

Dr. Taqiyeddine MOUMENE Co-Chair

**Contact info:** For any question/request, feel free to contact:

[ickdm@univ-tiaret.dz](mailto:ickdm@univ-tiaret.dz) / [www.ickdm.univ-tiaret.dz](http://www.ickdm.univ-tiaret.dz)

### IMPORTANT DATES

- |                               |                      |
|-------------------------------|----------------------|
| • Submission deadline:        | September 10, 2023   |
| • Notification of acceptance: | October 10, 2023     |
| • Camera ready:               | October 30, 2023     |
| • Conference date:            | December 11-13, 2023 |

### INTRODUCING IBN KHALDOUN UNIVERSITY OF TIARET

Driven by a spirit of innovation and the pursuit of excellence, IBN Khaldoun University has, over the years, nearly 150,000 trained and graduated people who, each in their own way, have contributed to the advancement of their community and of the society.

