Call for Papers

The 5th International Conference on Pattern Analysis and Intelligent Systems (PAIS'23)

25-26 October 2023, Sétif, Algeria

Paper Submission
June 23th, 2023
Acceptance Notification
September 10th, 2023
Camera-Ready Deadline
September 20th, 2023
Conference Days
October 25-26, 2023

Université Ferhat ABBAS Sétif 1

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Track 1: Data warehouses and big data

- Conceptual model foundations for big data
- Parallel DBMS technology
- Scalability and parallelization using Map--Reduce, Spark, and related systems
- Query processing and optimization
- Semantics for big data intelligence
- Data warehouse and data lake architectures
- Integration of data warehousing, OLAP cubes, and data mining
- NoSQL storage systems
- Cloud infrastructures for big data
- Big data storage and indexing
- Big data analytics: algorithms, techniques, and systems

Track 2: Artificial Intelligence and Data Sciences

- Neural Networks
- Machine learning
- Deep learning
- Reinforcement Learning
- Agents and Multi-agent Systems
- Algorithmic Game Theory
- Large scale Machine Learning
- Decision Management
- Natural Language Processing
- Computational Optimization
- Sentiment Analysis

Track 3: Computer Vision and Ambient Intelligence

- Smart Cities
- Smart Grids and Energy Networks
- Sensing and Sensor Networks
- Ambient Assisted Living
- Smart Healthcare
- Context-aware pervasive systems
- Human-Computer Interaction
- Geographic Information Systems (GIS)
- Video Analysis
- Augmented/Virtual Reality
- Image Processing and Artificial Vision Application

Track 4: Networking and Internet of Things

- Edge AI and edge computing applications and technologies
- Scalable IoT Architectures including Semantic Interoperability and the Web of Things
- Novel IoT Communication Technologies and Protocols
- Energy Efficiency and Sustainability in IoT including battery-less and biodegradable computing
- Small and Large-scale pilots of IoT Sensing, Signal Processing, Actuation and Analytics
- Safety, Security and Privacy Risks and Guarantees in IoT and Cyber-Physical Systems
- Database and Distributed Ledger Technologies for IoT
- Human Interaction with IoT IoT-enhanced AR/VR/MR, Metaverse, and Games
- Large-Scale IoT Analytics and Internet of Behaviors
- Transient Large-Scale Networks including V2V or V2X
- Real-world IoT Deployments, Testbeds and Datasets

Track 5: Cyber Security

- Attacks and defenses
- Blockchain technologies
- Cloud security
- Distributed systems security
- Forensics
- Hardware security
- Intrusion detection and prevention
- Malware and unwanted software
- Mobile and Web security and privacy
- Network and systems security
- Privacy technologies and mechanisms
- Security and privacy for the Internet of Things
- Security architectures
- Cryptography

Submission Guidelines:

All papers must be original and should not be under consideration for publication in any other journal or conference. The initial submission for review will be limited to eight pages, including references, figures, and tables (in at least 10pt font and 2-column format). The papers accepted and presented in PAIS'23 will be published in the conference proceedings and indexed in IEEE Explorer.

Submission Procedure:

Contributions should be submitted electronically as PDF, using the IEEE conference publishing template, via the conference submission website: **https://cmt3.research.microsoft.com/PAISconf2023**

General Chair: Dr. Lyazid TOUMI

Program Committees please refer to PAIS2023 website: **pais.univ-setif.dz**

For further inquiries, please contact **pais2023@univ-setif.dz**