

ICCSAITCS 2022

International Conference on Cyber Security, Artificial Intelligence and Theoretical Computer Science

December 19-20, 2022, BOUMERDES, ALGERIA



IMPORTANT DATES

Submission Deadline: September 30, 2022

Notification of Acceptance: October 30, 2022

Camera Ready: December 10, 2022

Conference Dates: December 19-01, 2022



The LIMOSE Research Laboratory of the Faculty of Sciences, of the University M'Hamed Bougara – Boumerdes-, Algeria, will organize the first International Conference on Cyber Security, Artificial Intelligence and Theoretical Computer Science (ICCSAITCS '2022) on November 27 – 28, 2022.

The Conference aims for presenting new advances and research results in the fields of Cyber Security, Artificial Intelligence and Theoretical Computer Science. The event should offer researchers, engineers and scientists the opportunity to interact and present their latest advanced research work.

Authors are invited to contribute to the conference by submitting papers illustrating research results, projects, investigative work and industrial experiences in three fields

Cyber security and networking



- Network Security
- Wireless Communications
- Access Networks
- Distributed Systems
- Optical Networking
- Peer-to-Peer Architectures
- Cryptographie and Privacy
- Drone networks
- Ad-hoc, Vehicular, Sensor and Mesh Networks
- Wireless Multimedia Network
- Smart grid, Smart City, Small Cell Networks
- Social Networks
- Security in Datacenters and Cloud Computing
- Green Wireless Networks
- 4G and 5G Communication Networks
- Optical Communication
- Internet of Things and Machine-to-Machine Communications
- Wireless Network Security and Privacy
- Fault Tolerance and Reliability
- Cloud and Fog Computing
- Routing and Quality of Service

Artificial Intelligence and optimization techniques



- Artificial Intelligent Systems
- Machine and Deep learning
- Big Data
- Data Mining
- Bio-inspired Computing in Networks
- Explained AI
- Intelligent Vision
- Pattern Recognition - Metaheuristics
- Swarm intelligence
- Multi-objective optimization
- IA Federated Learning
- Medical Imaging
- Stereovision and Virtual Reality
- Pattern Recognition and Machine Learning
- Image Enhancement, Denoising, and Segmentation

Formal methods for software and hardware



- Formal Validation and Applications
- Specifications and Validation of Network Protocols
- Fundamental Computing
- Formal approaches for safety and security
- Formalisms for modeling, design and implementation
- Correctness-by-construction approaches for software, hardware and systems engineering
- Tools and case studies supporting the integration of formal methods (communication protocol, distributed system, multi-agent systems)
- Interactive and automated theorem proving
- Model checking
- Formal refinement
- Automated testing
- Use of machine learning and probabilistic reasoning techniques in formal methods
- Formal methods and Quantum computing
- Formal methods in model-driving techniques
- Verification and assurance of reconfigurable systems
- Architecture description language
- requirements formalization and formal specification
- Formal methods for object-oriented systems.
- Formal methods for component-based systems.

Paper Submission Authors are invited to submit full-length papers (8 pages max) written in English, and formatted using the IEEE templates: ([Accessing the templates](#)). The papers should be submitted electronically in PDF format at:

<https://easychair.org/my/conference?conf=iccsaitcs2022#> All papers will be double-blind peer-reviewed. Acceptance will be based on quality, relevance, originality, and presentation. All papers submitted to iccsaitcs'22 conference must be previously unpublished and may not be considered for publication elsewhere.

For more information:

<https://iccsaitcs22.univ-boumerdes.dz/>

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