CALL FOR PAPERS

The First International Conference Artificial Intelligence for Cyber Security Systems and Privacy. (AI-CSP'21)

http://ai-csp.univ-eloued.dz/

El Oued University, El Oued (the door of Sahara), Algeria, 20-21 November, 2021.

Dear Researchers

We are pleased to announce the Conference Artificial Intelligence for Cyber Security Systems and Privacy (AI-CSP'21), that will be organized by *Echahid Hamma Lakhdar (EHL) University*, El-Oued (Algeria) and In collaboration with *École supérieure en Sciences et Technologies de l'Informatique et du Numérique ESTIN*, Béjaïa (Algeria). The conference will be held at EHL University from 20 to 21 November 2021.

Journal issues:

- IEEE Xplore Digital Library.

- Extended versions of selected papers will be considered for publication in: *Sensors Journal, Journal of King Saud University and Journal of Cyber Security and Mobility*

There will also be Best paper awards.

Dates:

- ✓ **Paper Submission Deadline:** August 10th, 2021
- ✓ **Notification of acceptance:** November 5th, 2021
- ✓ **Camera Ready Submission:** November 10th, 2021
- ✓ **Tutorial proposals:** July 15th, 2021
- ✓ **Workshop proposals:** July 15th, 2021

Scientific Scope:

The scope of AI-CSP is to deal with the growing importance of artificial intelligence fields which are exploited in a wide variety of applications in particular the future generation of network and cloud computing technologies. AI-CSP focuses also on security and privacy concerns which has an impact not only on network technologies (protocols, robotics, algorithms, private life, automation, etc.), but also on creating collective and individual correct behavior for private and intelligent lifestyle which our society is facing nowadays at social, environmental and political levels, and considering a wide family of applications (healthcare, social, work, robotic, economics, etc). Indeed, these intelligent technologies should be protected and improved against malicious use. Cyberspace is a strong virtual environment maintained by an omnipresent digital infrastructure. It offers an ideal solution for the straight conduct ofcommerce, science, education, communication, and government as the cyberspace remains vulnerable to attack and manipulation from malicious threats. Cybersecurity, like other research disciplines, must often draw upon disparate fields of study to advance and create applied security measures that ensure adequate levels of confidentiality, integrity and availability. Hence, there is a real challenge for societies to defend against current and future threats for which traditional security technologies and measures may not meet user requirements in open, dynamic, heterogeneous, mobile, wireless, and distributed computing environments. This conference aims to cover the latest techniques in all aspects and challenges, including the construction, operation, and sharing of cyber-threat intelligence systems. Theoretical and practical developments in the implementation and operation of cyber threat intelligence and the latest technology will be considered.

Current trends are to propose secure and self-managed architectures that safely manage and control future emerging networks such as Set of clouds, Fogs, Internet of Things, Smart Grids, Smart Cities, etc. This AI-CSP conference solicits papers dealing with Artificial Intelligence, Cyber Security and Privacy around (but not limited to) the following topics:

➢ **Security, Blockchain and IoT**

- o Security and privacy in blockchain technology for IoT
- o Intelligent systems for fraud detection in blockchain environments
- o Protocols for safe blockchain application in IoT
- o Blockchain and trust distributed management;
- o Blockchain consensus based solutions for IoT security
- o Machine learning and data analytic methods for IoT security
- o Scalable architectures and protocols for secure, robust, and privacy-enhancing IoT
- o Homomorphic computation in IoT
- o Intrusion detection in IoT
- o Attacks detection and prevention in IoT

➢ **Artificial Intelligence and Image processing**

- o Hybrid Learning models and methods
- o Image recognition and interpretation
- o AI applications in business and industry
- o Intelligent buildings and warehouses
- o Intelligent business decisions
- o Intelligent Data Analysis
- o Airspace Control, Traffic and Transportation
- o Intelligent Data Mining
- o Artificial Intelligence and Technology
- o Intelligent Database Systems
- o Artificial Intelligence in Scheduling and Optimization

- o Intelligent web-based business
- o Autonomous Vehicles
- o Bioinformatics
- o Business Intelligence
- o Knowledge Processing
- o Business Intelligence in Health Care
- o Machine Learning
- o Handwriting Recognition
- o Optical Character Recognition
- o Deep Learning for Vision
- o Pattern Recognition
- o Image Processing Techniques and Methods
- o RGBD Analysis
- o Color Processing

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We hope you will join us to ensure a productive exchange of ideas and a lively interaction among the participants.
We look forward to seeing you in El Oued! The AI-CSP Organizing Committee