

**CALL FOR PAPERS
SPECIAL SESSION ON**

Artificial Intelligence, Security and its application

Session Co-Chairs:

- Boujemaa NASSIRI, Polytechnic School of Agadir, Universiapolis, Agadir, Morocco, boujemaa.nassiri@e-polytechnique.ma
- Sanaa MOUHIM, Polytechnic School of Agadir, Universiapolis, Agadir, Morocco, sanaa.mouhim@e-polytechnique.ma
- Zakariae TBATOU, Polytechnic School of Agadir, Universiapolis, Agadir, Morocco, zakariae.tbatou@e-polytechnique.ma
- Mohamed Salim EL BAZZI, laboratory "image and pattern recognition - Intelligent Systems, Ibn Zohr university Agadir, Morocco, mohamedsalim.elbazzi@e-polytechnique.ma
- Fadwa Lachhab, IRF/SIC Laboratory, FSA, Ibn Zohr University, Agadir, Morocco, fadwa.lachhab@e-polytechnique.ma

Session description:

With the rapid evolution of the industry, the needs of society remain unmet in terms of efficiency and profitability. In front of this situation, intelligent solutions become a requirement for the good continuation of social activities and for the good of the Human being. Artificial intelligence, as a field, including machine learning and deep learning, with a set of categories that covers this field, has had a rapid evolution to respond to problems in different fields and to increase efficiency of practice in many areas such as smart grid, Cloud Computing, IoT, medical area, security, etc. Moreover, this exponential evolution of complex systems brings with it a set of management problems, in particular the secure management of sensitive and confidential data at the levels of calculation, storage, exchange, analysis, processing, and execution, as well as the problem of confidentiality of personal data. The applications used are always a concern for users regarding the use and confidentiality of their personal data as well as their privacy. The objective of this special session consists in discussing the scientific challenges, the needed improvements related to Artificial Intelligence, and its application and the security issues related to this topic. We aim at treating during the same session problems including, but not limited to, integrated smart solution based on both machine and deep learning algorithms, security issues in complex systems, including privacy and trust relationship between users and services provider. Following this purpose, below are the potential topics for this special issue but not limited to:

- Artificial Intelligence,
- Machine learning,
- Deep learning,
- computer vision,
- Natural Language Processing,
- decision-making,
- confidentiality, Integrity, and cryptography,
- Access control,
- data outsourcing,

- IDPs,
- Medical Data Processing and Analysis,
- etc.



Boujemaa NASSIRI

He was born in El Jadida, Morocco on January 1, 1974. He received the master's degree in electronic Systems and the PhD degree in medical data processing in 2015 from Ibn Zohr University, Agadir, Morocco. Currently, He received the Habilitation degree. His research interests include biomedical signal processing, data processing, Deep learning, Machine learning, time-frequency signal processing and he is working on the modeling, filtering. Prof.NASSIRI is the head of the Smart Grid and Artificial Intelligence group (SGIA). including teaching and research, author and co-author of several scientific publications in the logistics field.



Sanaa MOUHIM

She is a professor at the Polytechnic School, Universiapolis Agadir – Morocco where she has held several teaching responsibilities. She holds a thesis in Computer Science in 2014 From Ibn Zohr University. Several papers and articles have been published since. Its orientation research involves several disciplines of computer and Artificial Intelligence. Different themes have been addressed either in publications or in multidisciplinary projects, namely: knowledge engineering, knowledge representation using ontologies, deep learning and machine learning, Real time processing.



Zakariae TBATOU

Received his Ph.D in the security of Computer Science and Distributed Systems in 2018 from Departments of Mathematics and Computer Science, Faculty of Science, University Ibn Zohr, Agadir, Morocco. He is currently lecture researcher within Polytechnic Engineers school of Agadir, and member of Laboratory for Sustainable Innovation and Applied Research, Technical University of Agadir, Morocco. His research interests include Authentication Protocols, distributed systems, cloud computing, Computer and Network Security and Cryptography.



Mohamed Salim EL BAZZI

He got his PHD in computer sciences in Ibn Zohr university Morocco, in collaboration with the University of Rouen, France in 2018. He held the position of a professor in the prestigious international university of Agadir Universiapolis. Today he is a professor in the polydisciplinary faculty of Taroudant in the Mathematics and computer sciences department. He essentially contributes to machine learning, deep learning, data mining and natural language processing.



Fadwa Lachhab

She is Assistant Professor with the department of Computer Science, Ibn Zohr University, Agadir, Morocco Currently, she received her Ph.D from the university of Mohamed V, in National School of Computer Science and Systems Analysis (ENSIAS) and the International University of Rabat (UIR) (Morocco). She holds an Engineer Degree in Computer Science from National School of Applied Sciences in university of Ibn Zohr (September 2014). She is a member of SGIA team from Ecole Polytechnique d'Agadir, she developed an AI Lab for improving energy efficiency and occupant's comfort in smart buildings (2019-2022). She was a member on CASANET (Context-Aware SensorActuator Networks for Energy-Efficient Buildings) project (2016-2018), which is funded by «le Ministère de l'Enseignement Supérieur, de la Recherche Scientifique et de la Formation des Cadres (MESRSFC)» and «le Centre National pour la Recherche Scientifique et Technique (CNRST)». Her main interests are Context-driven control in Energy Efficient Building, Complex event processing of on-fly processing, Internet of Things, Big Data technologies, and occupant's comfort