

10th IFAC Conference on Manufacturing Modelling, Management and Control.  
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**MALIOT-APPS INVITED SESSION PROPOSAL ON  
Machine Learning and IOT Applications (MALIOT-APPS '22)**

**Session Organizers:**

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**CALL FOR PAPERS**

Machine Learning (L) and Internet Of Things (IOT) are used to describe many technologies and applications. Generally, the term describes computer systems that replicate human intelligence. AI systems are in their beginning, but the technology promises to change almost every aspect of our lives in the coming decades. Machine learning will drive most of the changes we will see in the next few years. The fundamental change in the use of ML is the transition from a human command-driven tool to a machine inference engine that applies logical rules to a data set to infer new information. This change is extremely important because it results in the software being increasingly able to develop and refine their own instructions to perform tasks without the limiting factor of a human being to provide decisions. Indeed, the limitations of traditional application design are beginning to be affected, and new applications can be met. The aim of this session is to review the concept of applications, designing as an open innovation strategy and address the importance of them in revolutionizing knowledge towards applications sustainability. The main objective is to discuss why the concepts of **ML and IOT** have become increasingly important and presents some of the top key applications and technologies to implement intelligent systems. Also, high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of ML and IOT applications and innovation are cordially invited for presentation. Suggested topics include,

but are not limited to, the following:

- Smart Agriculture and Internet of Things
- Smart water resources management
- ML Models & Convolutional Neural Networks
- Innovative Business Models in Industry 4.0
- Image Analysis and Computer Vision
- ML and IoT in Supply Chain Management
- Social media analytics
- Medical Informatics and Biomedical
- Clinical decision support
- Methodologies for innovations to handle Big Data

**SUBMISSION:**

**link:**

**DEADLINES:**