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**CALL FOR ABSTRACTS**

## **Human factor in the smart industry**

### **Description**

Humans' new role needs to be recognized in the highly technological and innovative scenario for Industry 4.0, characterized by a set of enabling technologies and a deep interconnection of resources. In the smart factories, interactions among the socio-technical elements make the organizations more complex even if also easy to be controlled for safety. This session focuses on human factors' role in the new interaction with smart devices and collaborative machines.

### **Motivation**

The increasing development of new technologies that drive innovation and new applications leads to continuously changing workplaces and organization processes, designing a smart worker's new concept in a smart organization.

The new cognitive and physical load work is defined in order to design the new smart industry workplaces and tasks inefficiently and safely way considering the arising needs. Furthermore, the current pandemic condition has provided a reactive boost to working remotely, thanks to digitalization and technology.

## Objective

Different theoretical and practical approaches consider the human factor as a critical role in smart society's design. Several studies concerning all the aspects to define and measure the worker's performance in a more and more complex organization, also focusing on new models about safety and emerging risks, are some topics discussed in this session.

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