

AI applications in the digital industry

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Artificial intelligence has become a key element in the digital industry and is playing an important role, offering infinite possibilities for improving efficiency, productivity and profitability, as well as enabling businesses to make more informed decisions.

Today, artificial intelligence in industry is revolutionising all areas: maintenance, supply chain, production and others. AI has a wide range of industrial applications. AI can be used to optimise industrial performance, reduce failures and simplify simulations. It can automate quality control. It is a powerful decision-making tool, processing and analysing large quantities of data in real time. All sectors of industry are in the process of moving towards a digital industry. The deployment of artificial intelligence in industry is also making it possible to automate repetitive tasks with little added value, allowing employees to concentrate on more important tasks.

This session aims to share the most recent contributions in this area. Researchers and professionals are invited to present their work in the following or related fields:

- Digital Industry /Smart Manufacturing/ Industry of the future
- Artificial Intelligence (AI)
- Industry 4.0 / Industry X.0 /Digital technologies
- Supply Chain/Resilience
- Maintenance Predictive/Smart Maintenance/Maintenance 4.0
- Lean Manufacturing /Lean 4.0
- Production system/ E-health
- Modeling and Simulation/Digital Twins

Keywords: Digital Industry, Industry X.0, AI, decision support system, predictive maintenance, Lean 4.0, modeling and simulation.