

Special Issue

Artificial Intelligence: A Key Role towards Industry 5.0

Message from the Guest Editors

Industry 5.0 complements and extends Industry 4.0. It places the wellbeing of the worker at the center of the production process and uses new technologies to build more resilient supply chains and adopt more sustainable methods of production. Artificial intelligence (AI) plays a key role in the cooperation between man and machine with intelligence. The aim of this Special Issue is to discuss how AI can improve the quality of manufacturing, such that people, processes, and machines are better integrated to impact the overall economical productions. The topics of interest for this Special Issue include, but are not limited to:

- AI in supply chain;
- AI in green technologies;
- AI in manufacturing process;
- AI in industry data analysis;
- Image classification, denoising, segmentation, object detection, and tracking;
- Video surveillance, video object detection, and video object tracking;
- Speech recognition and speech synthesis;
- Edge intelligence;
- Deep learning models for real-time applications;
- Human-computer Interaction applications;
- Other Artificial Intelligence applications.

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