

Special Issue

Artificial Intelligence and Control Systems for Industry 4.0 and 5.0

Message from the Guest Editors

The use of Artificial Intelligence (AI) is continuously growing. AI is present in industrial digitalization and the transformation of industrial systems, uniting the principles of Industry 4.0 with the human-centered and sustainable vision of Industry 5.0. This Special Issue explores the fundamental role of AI in enabling next-generation industrial systems, covering topics such as intelligent robotics, adaptive automation, distributed control, evolutionary computing and secure communications networks. Contributions focusing on the integration of AI in these domains are particularly welcome, as they highlight the potential of AI in Industry 4.0/5.0. We encourage submissions about the following subjects:

- AI-based control systems for smart and sustainable production;
- Integration of edge and cloud computing, 5G/6G networks and augmented reality in industrial environments;
- Intelligent automation, collaborative robotics and cyber-physical systems (CPS);
- Advanced industrial communication and cybersecurity protocols;
- Evolutionary and natural computing applications in adaptive and self-organizing systems.

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About the Journal

Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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