



Manufacturing Industry 4.0: Trends and Perspectives

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Message from the Guest Editors

Today, the massive use of digital and information technologies such as cyberphysical systems, the Internet of Things (IoT), machine to machine (M2M) communication, big data, and cloud computing represent what it is called the fourth industrial revolution. The names are different all over the world: “Industry 4.0”, “Internet Factory”, “Smart Plant”, “Digital Factory”, “Integrated Industry”, “Innovative Factory”, “Intelligent Manufacturing”, “e-Factory”, or “Advanced Manufacturing”, but the concepts are the same. Modern information and communication technologies seem a solution to increase productivity, quality, and flexibility within the industry.

This Special Issue on “Industry 4.0 : Trends and Perspectives” intends to present some methodologies, tools, and applications for Industry 4.0. Topics include but are not limited to:

- Smart manufacturing;
- Cyberphysical systems;
- Digital twins;
- Cybersecurity and safety;
- Virtual commissioning;
- IIoT;
- Smart robotics;
- Maintenance 4.0;
- Education 4.0.





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Message from the Editor-in-Chief

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