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## IoT, AI, and Digital Twin for Smart Manufacturing

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

Digital Twin, which plays a significant role in Smart Manufacturing (SM), is seen as the simulation of a physical system. More than a simulation, a twin system can behave according to near real-time data coming from an actual physical counterpart. Currently, the capabilities of digital twins are only promoted to optimize the industrial process when important issues in manufacturing are solved by applying artificial intelligence (AI) and Internet of Things (IoT) technology. Moreover, digital twins are based in the cloud, and the massive amounts of data being collected and utilized are drawn from numerous endpoints that lead to new security threats. The aim of this Special Issue is to highlight innovative developments with respect to the current challenges and opportunities for the applications of an “IoT, AI-Based Digital Twin for Smart Manufacturing”. Topics include, but are not limited to:

- Digital twins integrated with IoT and AI
- Smart applications of an IoT, AI-based digital twin
- Data-driven scenarios based on digital twins
- Blockchain and security for digital twins with AI
- Cognitive digital twins



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# Special Issue



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## Message from the Editor-in-Chief

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