



The Role of Digitalization and Industry 4.0 Technologies for Product and Production Development in the Manufacturing Industry

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Message from the Guest Editors

In the context of product or production development (PPD), the majority of studies focused on the role and impact of Industry 4.0 (I4.0) technologies such as digital twins, CPS, IoT, AI, Big data etc. on operations and manufacturing, e.g., smart factory, smart manufacturing, digital twin-based CPS. However, deeper analysis studies on the role and impact of I4.0 technologies on product or production system design and development, or in combination are still limited. This special issue (SI) aims to provide a forum for researchers and practitioners to provide a comprehensive overview of how I4.0 enabling technologies can be adopted and implemented to support product or production system development, or combinations. The papers are expected to contribute with the latest results on socio-technical and managerial understanding, design processes, the implementation of use cases or demonstrations of specific or combination of I4.0 technologies, and theoretical and methodological conceptualisations. The SI welcomes papers that not only focus on technology aspects but also focus on organizational, managerial and social aspects related to I4.0 in product and production development.





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Message from the Editor-in-Chief

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