



Industrial Informatics and Digital Twin

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Message from the Guest Editors

This Special Issue solicits articles relating to the automation area for digital twins, and concentrates on digital twin models, digital twin informatics, and digital twin behavior in automatic systems to develop research on self-decision making, self-adaptation, and automatic evolution of automatic systems. Topics of interest include but are not limited to the following areas:

1. Methodologies for digital twins of automation system

System architectures for digital twins;

Representation and modelling for digital twins.

2. Industrial informatics for digital twins

Industrial knowledge graph of digital twins;

Graph neural networks for industrial knowledge graph;

Verification techniques for digital twins.

3. Digital Twin-Driven Approaches for automation system

Integrating digital twins with existing industrial approaches such as Industry 4.0;

Augmented reality and virtual reality;

Informatics-based and digital twin-enabled industrial services.





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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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