



Digital Twin Applications in Smart Manufacturing

Guest Editors:

Prof. Dr. Jiafu Wan

School of Mechanical &
Automotive Engineering, South
China University of Technology,
Guangzhou 510641, China

Dr. Yuqian Lu

Department of Mechanical
Engineering, The University of
Auckland, Private Bag 92019,
Auckland 1142, New Zealand

Prof. Dr. Sang Do Noh

Department of Systems
Management Engineering,
Sungkyunkwan University,
Suwon-si 16417, Republic of
Korea

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editors

This Special Issue “Digital Twin Applications in Smart Manufacturing” will cover intelligent perception and information fusion, intelligent modeling and analysis, intelligent collaborative optimization control, intelligent analysis and optimization decision-making, and precise execution and service for DT in smart manufacturing. This Special Issue will focus on (but not be limited to) the following topics:

- Reference architecture of DT in smart manufacturing
- High-performance intelligent perception and comprehensive cognition of manufacturing data for DT
- Dynamic intelligent modeling with deep integration of mechanism model and data model in DT
- Implementation, operation, and optimization of DT in smart manufacturing
- Multi-layer decision and optimal control method of end-edge-cloud based on DT
- New smart manufacturing scheduling using DT
- DT and big data-driven preventive maintenance in smart manufacturing
- DT-based dynamic adjustment and control service
- Distributed DT system and its applications in smart manufacturing





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Editor-in-Chief

**Prof. Dr. Antonio J. Marques
Cardoso**

CISE—Electromechatronic
Systems Research Centre,
University of Beira Interior,
Calçada Fonte do Lameiro, P -
6201-001 Covilhã, Portugal

Message from the Editor-in-Chief

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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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Machines Editorial Office
MDPI, St. Alban-Anlage 66
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