

Call for Papers

Supplement Issue Deadline:

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A Supplement Issue on Mechanical, Electric and Industrial Engineering
Advances in Mechanical Engineering: Conference Collection MEIE2021

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Guest Editor

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This Special Collection on the System Modeling and Control & Intelligent Manufacturing System welcomes original research articles dealing with operation, reliability, quality analysis, and optimization of any type of systems that can function at different levels. We aim to highlight recent developments and achievements in modeling and controlling multi-unit systems, as well as recent techniques of intelligent manufacturing systems, and to maintain a balance between applications and methodologies.

This Special Collection aims to present state-of-the-art theoretical development and applications in this area, bringing academic and industrial practitioners together to tackle challenges of international concern. Submissions of real-world case studies are strongly encouraged. Application areas of interest include but are not limited to manufacturing, computing, material and power supply, transportation, communication, and defense.

Potential topics for submissions include but are not limited to:

- Production schedule modeling of multi-unit systems;
- Intelligent maintenance modeling of multi-unit systems;
- Quality control modeling of multi-unit systems;
- Secure operation of multi-unit systems;
- Multi-unit systems with multiple performance indices;
- Multi-unit systems with multiple failure modes or criteria;
- New computational techniques applied to multi-unit systems.
- Common cause failures in intelligent manufacturing systems;
- External impacts and vulnerability of intelligent manufacturing systems;
- Simulation and digital twin of intelligent manufacturing systems;
- Failure propagation in intelligent manufacturing systems;
- Design techniques of intelligent manufacturing systems;
- Optimization techniques of intelligent manufacturing systems;
- Measurement techniques of intelligent manufacturing systems;
- Control techniques of intelligent manufacturing systems;

Tips to submit a manuscript to this supplement issue

1. Please send your manuscript (word file) to info@icmeie.com for screening, **not** through the online system.
2. All submissions will go through the standard review process of *Advances in Mechanical Engineering* (ISSN: 1687-8132).
3. All submitted articles should report original, previously unpublished research results, experimental or theoretical. Any act of plagiarism is totally unacceptable

如何投稿到该增刊

1. 请直接通过邮箱发送文章至 info@icmeie.com，写明投稿意向--SCI 投稿。组委会进行预审和进一步沟通。
2. 所有投稿都需经过期刊同行评审。
3. 所有投稿必须原创，拒绝重复发表，一稿多投等学术不端。