



Industry 4.0 and Energy-Efficient Production Planning

Guest Editors:

Dr. Ivan Ferretti

Department of Mechanical and Industrial Engineering Università degli Studi di Brescia, I-25123 Brescia, Italy

Dr. Beatrice Marchi

Department of Mechanical and Industrial Engineering Università degli Studi di Brescia, Via Branze, 38, I-25123 Brescia, Italy

Deadline for manuscript submissions:

closed (31 May 2020)

Message from the Guest Editors

The link between the concepts of Industry 4.0 and energy-efficient production planning is the focus of this Special Issue.

From these considerations, some questions arise and need to be answered. What is the relationship between Industry 4.0 solutions and the implementation of energy-efficient production planning? Can Industry 4.0 technologies be leveraged to enhance energy-efficient production planning? What is, if any, the actual gap in technologies that limits the implementation of energy-efficient production planning?

Our aim with this Special Issue is to encourage research that helps answer some of these questions by means of review studies or research papers providing evidence of the relationship between Industry 4.0 technologies and energy-efficient production planning.

Keywords

- Energy-efficient production planning
- Industry 4.0
- Simulaton
- Decision support systems
- Manufacturing execution systems
- Big data





systems



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. William T. Scherer

Chair, Department of Systems and Information Engineering, University of Virginia, Charlottesville, VA 22904, USA

Message from the Editor-in-Chief

Systems is a leading venue for the quick and global dissemination of results of cutting-edge research in various areas of systems science and systems-related fields. An increasing number of researchers are realizing the enormous potential of systems thinking in managing the many unprecedented and complex issues in all areas of need. The *Systems* journal provides a home of exceptional quality for the manuscripts of these researchers who often find it difficult to publish their work in conventional discipline focused journals.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SSCI (Web of Science), dblp, and other databases.

Journal Rank: JCR - Q1 (Social Sciences, Interdisciplinary) / CiteScore - Q2 (*Modeling and Simulation*)

Contact Us

Systems Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/systems
systems@mdpi.com
X@Systems_MDPI