Special Issue

The Role of Engineering Education in Industry 4.0 Era

Message from the Guest Editor

The "fourth industrial revolution" also called "Industry 4.0" is transforming a wide range of industrial sectors from design to manufacturing to construction, including both of their connected supply chains. This will create an increased technical and organizational complexity of industrial processes and therefore an increase in demand for qualified staff at all organizational levels. The entailing increased degree of digitization and automation requires a dramatic change for engineering education. The required competencies of future engineers consist of advanced hard skills consisting of an integration of industrial engineering with mechatronics and informatics engineering competencies. Such skills are needed to re-engineer processes with the support of information technology and automation to increase interconnection and collaboration among machines and human operators. This Special Issue represents a collection of pioneering first applications of learning factories in the era of Industry 4.0 as well as innovative ideas for future engineering education.

Guest Editor

Dr. Patrick Dallasega

Free University of Bozen-Bolzano, Faculty of Science and Technology, Industrial Engineering and Automation (IEA), University of Technology, Universitätsplatz 5, 39100 Bolzano, Italy

Deadline for manuscript submissions

closed (30 June 2019)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/19839

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

