



Industry 5.0.: Current Status, Challenges, and New Strategies

Guest Editors:

Prof. Dr. Dragan Perakovic

Department of Information and
Communication Traffic, Faculty
of Transport and Traffic Science,
University of Zagreb, Vukelićeva
4, 10 000 Zagreb, Croatia

Dr. Lucia Knapčíková

Department of Industrial
Engineering and Informatics,
Faculty of Manufacturing
Technologies, Technical
University of Košice, Bayerova 1,
08001 Prešov, Slovakia

Deadline for manuscript
submissions:

closed (1 November 2022)

Message from the Guest Editors

Dear Colleagues,

Industry 4.0 introduced automation technologies, smart manufacturing and IoT; Industry 5.0, however, offers the possibility of collaboration between machines and humans.

Although Industry 4.0 aimed to give priority to automation processes, we now see the opposite trend. Industry 5.0 aims to show us how humans and machines could collaborate. Machine–human interactions offer benefits from a range of different aspects.

However, the impact of each industrial revolution was to generate more effective processes, and Industry 5.0 will offer even better business models.

This Special Issue aims to explore part of the human–computer interaction, digital manufacturing, machine–human interaction and the latest automation technologies.

Prof. Dr. Dragan Perakovic

Dr. Lucia Knapčíková

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)