

Special Issue

Variability of the Usability of Advanced Innovation Technologies of BIM, AI, VR, IoT in Research and Practice

Message from the Guest Editors

Most industrial sectors are generally considered conservative. Nevertheless, innovations frequently emerge, and new trends in technologies, materials, and construction systems are promoted. In addition to new technologies, individual processes and materials and digitization elements significantly change project preparation, planning, implementation, and realization. All these innovative elements and procedures are tools brought by the fourth industrial revolution, also known as Industry 4.0. The Industry 4.0 concept seeks to digitize industrial processes to create an adaptable large-scale network of production and services. The concept of the industrial revolution embodies digitization, automation, and increased use of information and communication technologies in all sectors. The construction industry in particular uses technologies for efficiency and sustainability within the individual phases of the project, such as BIM, AI, VR, IoT, etc. This Special Issue aims to present new ideas and experimental results in the field of using innovative technologies in all industry sectors

Guest Editors

Dr. Annamária Behúnová

Faculty of Mining, Ecology, Process Control and Geotechnologies,
Institute of Logistics and Transport, Technical University of Košice, Park
Komenského 19, 042 00 Košice, Slovakia

Dr. Lucia Knapčíková

Faculty of Manufacturing Technologies, Technical University of Košice,
08001 Prešov, Slovakia

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

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

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