

Special Issue

Design, Analysis, Control, and Optimization of Sustainable Industrial and Manufacturing Processes, 2nd Edition

Message from the Guest Editors

We encourage the submission of studies that cover aspects related to industrial and manufacturing processes, including, but not limited to, the following topics:

Smart manufacturing, design, analysis, control, and optimization of processes;
Special technologies in manufacturing: Additive Manufacturing, Laser, Plasma, Ultrasonic, Ion, and Electron Beam, Water Jet, Chemical and Electrochemical Machining, etc.;
High-precision manufacturing techniques and their adaptation toward sustainability;
Techniques for improved manufacturing efficiency and throughput, ranging from foundational methodologies like Lean Manufacturing and Total Productive Maintenance (TPM) to advanced technical approaches such as in-process monitoring, adaptive control, high-speed automation, hybrid manufacturing, and Digital Twin-driven optimization;
Industry 4.0 and its main technologies: the Internet of Things (IoT), Cyber-Physical Systems (CPS), Big Data, Simulation, Emulation, Digital Twins, Virtual Commissioning, Advanced Robotics (Cobotics, Humanoid Robotics, Mobile Robotics, etc.), Augmented Reality, Artificial Intelligence, Machine Learning, etc.;

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About the Journal

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.

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