New Frontiers in Advanced Manufacturing

Guest Editors:

Dr. Carter Hamilton
Mechanical and Manufacturing Engineering Department, Miami University, Oxford, OH 45069, USA

Prof. Dr. Hanbin Xiao
School of Transportation and Logistics Engineering, Wuhan University of Technology, Wuhan 430063, China

Dr. Xinyi Xiao
Mechanical and Manufacturing Engineering Department, Miami University, Oxford, OH 45069, USA

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Message from the Guest Editors

Dear Colleagues,

Advanced manufacturing is entering a new frontier that has the potential to revolutionize every facet of design, process, and product quality. However, it is facing many challenges, such as heavy material waste, low repeatability/reproducibility, and heavy human intervention under uncertainties. To solve the aforementioned issues, new computational models that help to identify the process–product relationships further enhance advanced manufacturing processes in autonomous planning under uncertainty, quality management, assurance, real-time monitoring, prediction, and control need to be developed.

Dr. Carter Hamilton
Prof. Dr. Hanbin Xiao
Dr. Xinyi Xiao
Guest Editors

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Special Issue

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.

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