



Novel Materials and Technologies in Foundry Engineering

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Message from the Guest Editors

Dear Colleagues,

The production of high-quality castings that meet the highest requirements in the fields of surface quality, dimensional accuracy, microstructure, and related mechanical and functional properties, requires extensive knowledge in the field of materials engineering. The use of modern materials, technology, and design and simulation tools supporting engineering work is the key to the high competitiveness of the foundry. The human aspect, namely the highly qualified engineering staff, is also important. Like other industries, foundries are undergoing the next stage of industrial transformation—Industry 4.0. Thanks to the use of advanced technology, it is possible to meet customer expectations, while increasing the quality and efficiency, and maintaining or even reducing production costs.

This Special Edition of *Applied Science*, titled "Novel Materials and Technologies in Foundry Engineering", aims to be a place for the exchange of knowledge and experience between researchers, as well as practitioners, who use the latest advanced production systems on a daily basis.

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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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