Special Issue

Achievements in Foundry Materials and Technologies

Message from the Guest Editors

Foundry is one of the basic branches of production. In every industry of the modern economy, foundry products are used: parts of machines and devices, load-bearing elements, precision elements, etc. Throughout its history, the foundry industry has been constantly developing, introducing new molding materials, casting alloys, processes, foundry tools, quality control systems, energy-saving systems, environmental protection, etc.

This Special Issue covers all foundry technologies and alloys (cast steel, cast iron, and non-ferrous alloys). Due to the topics covered in this Special Issue, articles on modern solutions in the technology of casting production are welcome. Topics covered may include optimization of foundry production, methods of metal preparation, crystallization, electromagnetic mixing of foundry alloys, quality control, printing 3D processes, reverse engineering, etc.

Once again, we invite you to submit your original research papers or review articles that describe the current state of the art within the scope of this Special Issue, “Achievements in Foundry Materials and Technologies”.

Guest Editors

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Prof. Dr. Krzysztof Janerka

Prof. Dr. Jan Jezierski

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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