Special Issue

Fabrication and Machining of Metal Matrix Composites

Message from the Guest Editor

This Special Issue will focus both on the traditional and special methods of fabrication, surface modification, and machining of metal matrix composites (MMCs), as well as the evolution of their microstructure and properties after applied processes. Descriptions of different “net shape” or “near net shape” fabrication methods, which to a large extent allow the elimination or reduction of the difficult machining of metal-ceramic composite products, and thus reduce both wastes and production costs, are particularly sought after. Moreover, theoretical and model manuscripts regarding various manufacturing processes, surface structure modification, design of characteristic properties, as well as test results related to conventional and novel machining operations for different kinds of MMCs are also welcome. Original research papers are desirable on recent developments in the field of different kinds of metal matrix composite processing, their machining, joining, characterization of structure and properties, as well as articles and reviews of new MMCs applications are also invited. I kindly invite you to submit a manuscript(s) for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

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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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