Special Issue

Cutting Process of Advanced Materials

Message from the Guest Editor

Advanced structural materials play a significant role in the manufacturing technology of machine parts, particularly in sectors such as aerospace, automotive, and tooling industries, and the manufacture of casting molds. The practical use of these materials in industry is closely related to the need to develop new and improve existing manufacturing technologies. Progress in this area is measured mainly by the increase in accuracy and quality of machined surfaces obtained by various types of machining, such as turning, milling, or grinding, and by using hybrid machining processes. This Special Issue intends to present the latest developments in the machining of advanced structural materials, in particular the CNC machining, the use of modern cutting tools, modeling and computer simulation of machining, and analysis of physical phenomena occurring in the decohesion zone of the machined material. Please feel free to submit original, high-quality research, short messages, and the latest reviews to this Special Issue.

Guest Editor

Dr. Łukasz Ślusarczyk
Mechanical Faculty, Cracow University of Technology, Al. Jana Pawła II 37, 31-864 Kraków, Poland

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Message from the Editorial Board

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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1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma
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