



materials



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Laser Materials Fabrication and Joining

Guest Editor:

Prof. Dr. Giuseppe Casalino

Department of Mechanics
Mathematics Management,
Polytechnic University of Bari,
70125 Bari, Italy

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Message from the Guest Editor

The use of lasers in manufacturing has increased dramatically over recent years, leading to a position in the processing of old and innovative materials. This Special Issue on “Laser Materials Fabrication and Joining” aims to provide a revised, updated and expanded overview of processes and applications of industrial lasers in materials processing. Innovative aspects of laser techniques and process, such as joining, hybrid welding, materials deposition, additive, coating, etc., will be included.

The subjects of the papers cover fundamental theory, technology and methods, traditional and emerging applications and potential future directions. Mathematical modeling, simulation, optimization and control of those laser processes and resulting material properties are also welcomed.



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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

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

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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Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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