Special Issue

Recent Advances in Processes and Design Methods for Additive Manufacturing

Message from the Guest Editor

The evolution and consolidation of the additive manufacturing (AM) processes is leading to the first industrial applications and commercial solutions as reliable alternatives to traditional processes. In the coming years, there is expected an evolution of AM technology towards larger markets and more applications. The requirements and constraints established by the next generation of users will require the merging of design for additive capabilities and process knowledge. Furthermore, the available AM materials are increasing in number, including those with functional properties. The aim of this Special Issue is to collect scientific contributions in the areas of design tools and methodologies applied to the AM production method, multifunctional design supported by AM, the validation and evolution of AM processes, the investigation of innovative AM processes, and the use of innovative materials in AM. **Keywords**

- design for additive manufacturing (DFAM)
- multifunctional design
- smart structures
- powder-based AM processes
- laser-based AM processes
- extrusion-based AM processes
- finite element method (FEM)
- topology optimization
- lightweight design
- lattice structures

Guest Editor

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Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (*JMMP*)(ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP.*

Editor-in-Chief

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