

Manufacturing Review

Call for papers

Special Issue on 'Emerging applications of laser'

Guest Editors

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Background

Laser processes offer a very wide range of applications which are rapidly evolving both in the academic world and in their industrial implications. The emergence of new processes and technological advances require regular synthesis of knowledge in terms of laser processes from CW to femtosecond and on all materials types (dielectrics, metals, ceramic plastics, composites and organic) in order to update knowledge of the community of students, engineers, researchers and end users.

Aim and Scope of the Themed Issue

The objective of this special issue is to bring together recent information and advances from the French community of laser users on the state of the simulation, the physical modeling, the material consequences of processes such as: Surface texture, Laser Additive Manufacturing, Joining and Machining, Laser Chemical Activation and Machine Learning in Laser Processing.

The progress of both academics and industrialists in these fields is rapid and concerns manufacturing processes and application materials. The transformation of material by laser generates defects whose appearance must be limited to guarantee the proper use of the manufacturing parts. Thus, advances in laser materials and processes will be considered for publication.

The articles will be based on the communications presented during the French Laserap 2022 autumn school organized by the UTBM and the Arts et Métiers in Saumur-en-Auxois from October 10 to 14, 2022.

Submissions

All relevant papers (only in English) will be carefully considered, reviewed by a distinguished team of international experts, and published in accordance to the Journal's standard policies. Full research papers and comprehensive review articles can be submitted online via the journal's submission and peer review site and choose, during the submission, the special issue: **'Emerging applications of laser'**.

Submission deadline – October 31st 2022

Charges

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2. *For Authors not belonging to case 1:*

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