Special Issue

Laser Surface Processing: From Fundamentals to Applications

Message from the Guest Editor

In today's evolving manufacturing landscape, achieving precise and reliable control over material properties is a top priority. Laser surface processing, an advanced class of techniques that harnesses high-intensity laser beams, has emerged as a powerful solution to meet this need. By focusing laser energy onto the surface of a material, engineers can induce rapid heating, melting, or even vaporization—leading to controlled changes in a material's microstructure and properties. Whether strengthening steel components or creating microtextures for biomedical implants, laser surface processing is driving innovation across many industries.

Guest Editor

Prof. Dr. P.J. Bryanston-Cross

School of Electronic, Electrical and Computer Engineering, University of Birmingham, Birmingham CV4 7AL, UK

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

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Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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