Special Issue

Advanced Technologies in Laser Materials Processing

Message from the Guest Editor

Dear colleagues, Since the advent of the laser in 1960, laser materials processing has occupied an important role in the manufacturing industry and economy. To date, laser manufacturing technologies encompass micromanufacturing technology (e.g., surface engineering, welding, cutting, marking, laser additive manufacturing), micromanufacturing technology (e.g., precision cutting and drilling, laser ablation), and micro/nanomanufacturing technology (e.g., femtosecond laser direct writing, two-photon polymerization, laser-induced surface micro/nanostructures). Laser manufacturing has become an outstanding processing technology in advanced manufacturing. As such, with the continuous evolution of the traditional manufacturing industry, new requirements have emerged for the fast-growing field of laser manufacturing. This Special Issue, “Advanced Technologies in Laser Materials Processing”, seeks high-quality works focusing on cutting-edge research in laser materials processing. Topics of interest include, but are not limited to:

- Modeling for laser materials processing;
- Advanced laser processing;
- Laser applications;
- Laser-based additive manufacturing.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2023)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/114437

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Editor-in-Chief

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