



Short and Ultra-Short Laser Materials Processing – Advantages and Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Short and ultra-short lasers have been widely used as advanced tools for precise and efficient fabrication of micro/nanostructures with unique optical, thermo-mechanical, and chemical properties, surface microprocessing, and micromachining in transparent bulk materials.

- Nano-/microprocessing of solid materials by short and ultra-short lasers;
- Micromachining in transparent bulk materials;
- Laser-induced melting and ablation of solid targets;
- Laser-induced nanoparticle production and synthesis;
- Nano-/microstructuring of dielectric, semiconductor, and metallic surfaces;
- Optical, thermo-mechanical, and chemical properties of laser-processed materials;
- Theoretical and computational modeling of laser-induced modifications.





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Editor-in-Chief

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Message from the Editor-in-Chief

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