



Laser-Based Manufacturing II

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Message from the Guest Editors

Laser-based manufacturing is currently applied in many different industries to process different kinds of materials, from ceramics to polymers, even up to metals. Advances in laser technology have allowed for the laser processing of virtually any material with unprecedented precision and efficiency. In addition, laser technology has opened the door to previously non-existent processes (mainly for the processing of materials at the micro- and nano-scale).

This Special Issue on “Laser-Based Manufacturing” welcomes contributions addressing novel applications of laser technology for manufacturing purposes. Conventional applications of lasers, such as in laser cutting, welding, drilling, surface treatment, etc., up to more innovative applications, such as laser-based micro- and nano-manufacturing, are addressed in this Special Issue.

Suitable topics include, but are not limited to:

- Laser cutting;
- Laser welding;
- Laser drilling;
- Laser cladding;
- Laser hardening;
- Laser alloying;
- Laser texturing;
- Laser-shock peening;
- Laser-based additive manufacturing;
- Laser micro-manufacturing;
- Laser nano-manufacturing.





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Message from the Editor-in-Chief

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