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Advances in Laser Welding Techniques

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Message from the Guest Editor

Dear Colleagues,

The constant development of new materials and products also promotes the research and development of laser, joining and hybrid welding technologies as well as additive manufacturing technologies. A successful understanding of these phenomena enables for the development of solutions to overcome these problems. The aim of this Special Issue is to provide a platform for researchers, academicians. engineers. as well as professionals from all over the world to present their research results and development activities in the field of laser welding and joining of both advanced and conventional engineering materials. In this Special Issue, research areas may include (but are not limited to) the following:

- Laser joining technologies;
- Quality of welded joints and welded structures;
- Modeling and simulation of welding processes;
- Mechanical and structural characterization of advanced materials and joints;
- Hybrid welding and additive manufacturing;
- Additive manufacturing processes (DED, powder bed fusion, binder jetting, etc.);
- Repair welding and repair additive manufacturing of products.







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Message from the Editor-in-Chief

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There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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