



## Application of Laser-Ultrasonics in Metal Processing

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Deadline for manuscript  
submissions:

**closed (30 April 2023)**

### Message from the Guest Editors

Since the development of the laser ultrasonic (LUS) technique in the 1980s and 1990s, the field has matured significantly. The key advantage of LUS is the unique feature of being able to measure material properties in a truly contactless manner with a working distance up to meters. This attractive feature has enabled commercialization in a broad range of areas and today there are available LUS systems for several industrial applications, e.g., wall thickness gauging for the extrusion of seamless pipes, real-time grain size monitoring in thermomechanical simulators, and the detection of defects in large components for the aviation industry. This research field contains a myriad of applications where laser ultrasound is a key enabler for understanding material processing and process behavior.

This Special Issue concerns the application of laser ultrasonics in metal processing and we invite the whole laser ultrasonics community to submit contributions on this topic.





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## Message from the Editor-in-Chief

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