



Recent Developments in Non-conventional Welding of Materials

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Message from the Guest Editors

Welding technologies are currently used to join the most diverse materials, from metallic alloys to polymers, composites, or even biological tissues. Despite the relevance and wide application of traditional welding technologies, these processes do not meet the demanding requirements of some industries. This has driven strong research efforts in non-conventional welding processes, such as laser welding, ultrasonic welding, impact welding, friction stir welding, diffusion welding, and many other welding technologies. Important studies have been recently developed all over the world on the application of these processes to the joining of cutting-edge materials and material combinations, enabling the production of joints with improved properties.

This Special Issue will present the most recent developments in the non-conventional welding of materials. Experimental and numerical modelling/simulation research on all aspects related to this multidisciplinary subject are welcome. Original research and review papers addressing innovative developments in non-conventional welding processes and process applications are valuable scientific contributions.





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Message from the Editor-in-Chief

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