



Dissimilar Materials Brazing and Diffusion Bonding

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Compared with fusion welding, brazing and diffusion bonding have the evident advantages of promoting the structural adaptability, welding deformation and dimensional accuracy of welds. Therefore, dissimilar materials brazing and diffusion bonding have been extensively employed in aerospace, automobile manufacturing, nuclear power facilities and other fields. During the brazing and diffusion bonding process, the microstructure evolution behavior of the bonding interface and bonding layer is directly related to the performance of the joints, and has received extensive attention. The aim of this Special Issue is to introduce the latest advances in dissimilar materials brazing and diffusion bonding, including bonding materials design, parameter control, microstructure and property characterization, failure behavior analysis, and non-destructive testing and evaluation. Experimental and numerical modelling/simulation studies on all relevant aspects of this multidisciplinary subject are welcome. We look forward to your contributions to this Special Issue.

Dr. Jian Yang
Guest Editor





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Message from the Editor-in-Chief

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