

## *Joining Of Advanced Materials*







### **Joining Of Advanced Materials**

Joining of advanced materials is a unique treatment of joining of both conventional and advanced metals and alloys, intermetallics, ceramics, glasses, polymers, and composites with polymeric, metallic, ceramic, intermetallic and carbon matrices in similar and dissimilar combinations.

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PDF | Advanced materials generally require novel joining techniques. Developments in new materials research should be conducted hand in hand with work on weldability and joining capacity aspects.

### **(PDF) Progress in joining of advanced materials**

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The automotive industry is a prime example in applying these advanced but sometimes difficult to weld materials. As auto designs embrace the multi-materials vehicle body and new power train concepts joining of dissimilar materials becomes an important subject in terms of design, processes, efficiency and structural performance.

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Provides a compilation of the primary and secondary options for joining conventional materials in non-conventional ways and advanced materials in conventional and novel ways. The book also provides coverage of adhesive bonding using both organic and inorganic adhesives, cements and mortars.

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