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## Joining of advanced and specialty materials VII: proceedings from materials solutions 2004 on joining of advanced and specialty materials, October 18–20, 2004 columbus, Ohio

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## Abstrak

Contents :

- Recent Developments in Weldability Testing for Advanced Materials
- Reactive Air Brazing for High-Temperature Electrochemical Applications
- The Effect of High-Temperature Dual Reducing/Oxidizing Gas Conditions on
- Silver-Based Filler Metal Compositions
- Development of Hyper-Interfacial Bonding Process of Ultra-Fine Grained High Strength Steels
- Important Lessons Learnt in the Design of Consumables for Welding High Strength Steels
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- Micro Electron Beam Welding in an SEM
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- Designing Sealing Glasses for Solid Oxide Fuel Cells
- Glass-Ceramics for Sealing Solid Oxide Fuel Cells
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- Effects of Surface Microstructure of Copper on Surface Energy after Pulse Nd:

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- Damage Control of Soldering Iron Tip for Lead-Free Solder
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- YAG Laser and TIG Arc Hybrid Welding Phenomena
- Effect of Joint Design on Mechanical Properties of AL7075 Weldment
- Properties of Weld Joints of Bake-Hardening Steel for Automobile
- Lead-Free Soldering of a Hybrid Microcircuit Package Assembly: A University-Industry Design Project Collaboration
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