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Collana	Topics in Mining, Metallurgy and Materials Engineering, , 2364-3307
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Chapter 1. An Efficient Inverse Method for Determining the Material Parameters and Coefficient of Friction in Warm Rolling Process -- Chapter 2. Incremental Sheet Forming (ISF) -- Chapter 3. Effect of Yield Strength, Pre-strain and Curvature on Stiffness and Static Dent Resistance of Formed Panel -- Chapter 4. Formability Prediction and Springback Evaluation of Adhesive Bonded Steel Sheets -- Chapter 5. Feasibility Study of Thermal Autofrettage Process -- Chapter 6. Numerical Analysis of Warm Deep Drawing for Ti-6Al-4V Alloy -- Chapter 7. Springback and Formability Studies on Friction Stir Welded Sheets -- Chapter 8. Prediction of Formability of Bi-axial Pre-strained Dual Phase Steel Sheets Using Stress Based Forming Limit Diagram -- Chapter 9. Size Effect on Mechanical Behaviour of SS304 -- Chapter 10. Prediction of Weld Induced Angular Distortion of Single Sided and Double Sided Fillet Joint by Saw Process -- Chapter 11. Optimization of Process Parameters in Submerged Arc Welding Using Multi-Objectives Taguchi Method -- Chapter 12. Monitoring of Weld Quality in Friction Stir Welding Based on Spindle Speed and Motor Current Signals --

Chapter 13. Coupled Electromagnetic Structural Simulation of Magnetic Pulse Welding -- Chapter 14. Numerical Analysis of Heat Transfer of Arc Welded Plate -- Chapter 15. Development and Analysis of Butt and Lap Welds in Micro Friction Stir Welding ( $\mu$ FSW) -- Chapter 16. Numerical Modeling of Impact and Solidification of a Molten Alloy Droplet on a Substrate -- Chapter 17. Hybrid Friction Stir Welding of Similar and Dissimilar Materials -- Chapter 18. Solid State Joining by Roll Bonding and Accumulative Roll Bonding.

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Sommario/riassunto

This edited book contains extended research papers from AIMTDR 2014. This includes recent research work in the fields of friction stir welding, sheet forming, joining and forming, modeling and simulation, efficient prediction strategies, micro-manufacturing, sustainable and green manufacturing issues etc. This will prove useful to students, researchers, and practitioners in the field of materials forming and manufacturing.

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