

Sheet Metal 2023

Eds. Marion Merklein, Hinnerk Hagenah, Joost R. Dufflou, Livan Fratini, Paulo Martins, Gerson Meschut, Fabrizio Micari

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The book presents recent advances in the following areas: High speed cutting and forming of sheet metals, Incremental forming, Joining by forming, Material characterization, Modelling, Presses and press tools, Processes, Quality and reliability, Sustainability.

Keyword: Sheet Metals, High Speed Cutting, Forming, Joining, Characterization, Modelling, Presses, Press Tools, Quality, Reliability, Sustainability. Polygon Forming Processes, Fused Filament Fabrication, Pin Caulking, Thermoplastic Composite/Steel Hybrid Joining, Self-piercing Riveting, Plastic Orthotropy on Clinching, Stress-related Fatigue, High-cycle Fatigue, Clinching Process Simulations, Magnetorheological Lubricant, Elastomer Tooling Components, Ultrasonic Vibration Microforming, Laser Heat Treatment, Fiber Reinforced Thermoset Plastics, Customized Classification System, Stainless Steel Deep Drawing, Thermoplastic Organosheets, Friction Drilling of Titanium, Medical Applications, Laser Cut Edges, Industrial Defect Detection, Bayes Filters, Benign Volatile Lubricants, Sheet Hydroforming, Zinc-coated Boron-manganese Steel, Thermoplastic Fibre Metal Laminates

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