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Collana	Lecture Notes in Mechanical Engineering, , 2195-4356
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Soggetti	Manufactures Engineering design Tribology Corrosion and anti-corrosives Coatings Quality control Reliability Industrial safety Manufacturing, Machines, Tools, Processes Engineering Design Tribology, Corrosion and Coatings Quality Control, Reliability, Safety and Risk
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Nota di contenuto	Effect of Process Parameters in Electric Discharge Machining of AZ31 Magnesium Alloy -- Electrolyte and Machining Parameters Optimization of Wire Electro Chemical Cutting of Aluminium/Titanium Di-Boride Composite -- Numerical Simulation and Pressure Prediction by Programme Logic Control Approach on Superplastic Forming in Multi-stage Dome -- Effect of Cryogenic Treatment on High Speed Steel Grade T-1 Single Point Cutting Tool -- Desirability Approach Machining Study on Aluminum Composite through Wire Cut Electric Discharge Technique -- Modeling and Parametric Optimization of Process Parameters of Wire Electric Discharge Machining on EN-31 by Response

Surface Methodology -- Wire Cut Electric Discharge Machining on Nickel Aluminium Bronze Using Brass Wire Electrode -- A Comparative Study on Abrasive Water Jet Machining Characteristics of Entry and Exit Layers of Glass and Basalt Woven Polymer Composites -- Manufacture, Mechanical Properties and Microstructural Characterization of Aluminium and Iron Metal Matrix Composite Manufactured -- Influence of Graphite Particles on Microhardness and Microstructural Behaviour of AA7068 Metal Matrix Composites Processed by Powder Metallurgy.

Sommario/riassunto

This book comprises select papers presented at the International Conference on Mechanical Engineering Design (ICMechD) 2019. The volume focuses on the different design aspects involved in manufacturing, composite materials processing as well as in engineering management. A wide range of topics such as control and automation, mechatronics, robotics, composite and nanomaterial design, and welding design are covered here. The book also discusses current research in engineering management on topics like products, services and system design, optimization in design, manufacturing planning and control, and sustainable product design. Given the range of the contents, this book will prove useful to students, researchers and practitioners.
