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Nota di contenuto	Effect of Angular Orientation of Continuous Fibers on the Extensional Properties of Carbon Fiber Composites -- Simulation of Nanowires on

C-Si Surface for Reflectance Reduction -- Investigation of Surface Roughness of Miniature Spur Gears Fabricated Using WEDM by RSM Approach -- Multi-Objective Analysis of Nd-YAG Laser Welding on Dissimilar Metals -- Fabrication and Tensile Testing of DHAK Fiber Reinforced Polyester Composites -- Solving Unequal Area Facility Layout Problems with Flexible Bay Structure by Simulated Annealing Algorithm -- Mechanical characterization of Polycarbonate-Graphene oxide (PCG) Nano Composite -- Optimal Selection of Circular interpolation for CNC Turning Centers -- Comparative Experimental Analysis of Machining Parameters for Inconel 825 on Cryogenic Treatment -- Optimizing Gas Injection Stir Casting Process Parameters for Improving Ultimate Tensile Strength of Hybrid Mg/ (Sicp+Al2O3p+Grp) Through Taguchi Technique.

Sommario/riassunto

This book comprises the select proceedings of the International Conference on Emerging Trends in Mechanical and Industrial Engineering (ICETMIE) 2019. The conference covers current trends in thermal, design, industrial, production and other sub-disciplines of mechanical engineering. This volume focuses on different industrial and production engineering areas such as additive manufacturing, rapid prototyping, computer aided engineering, advanced manufacturing processes, manufacturing management and automation, sustainable manufacturing systems, metrology, manufacturing process optimization, operations research and decision-making models, production planning and inventory control, supply chain management, and quality engineering. The contents of this book will be useful for students, researchers and other professionals interested in industrial and production engineering.
