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Collana	Lecture Notes on Multidisciplinary Industrial Engineering, , 2522-5030
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Soggetti	Coatings Tribology Corrosion and anti-corrosives Manufactures Computer-aided engineering Corrosion Machines, Tools, Processes Computer-Aided Engineering (CAD, CAE) and Design
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Nota di contenuto	Performance of Coconut Oil Based Nano Cutting Fluids in Turning of AISI1040 Steel -- Analysis and Optimization of Tool Wear Rate in Magnetic Field Assisted Powder Mixed Electrical Discharge Machining of Al6061 Alloy using TLBO -- Process Capability Index for Geometrically Distributed Quality Characteristics -- Numerical Simulation and Experimental Validation of A-TIG Welding of 2.25Cr-1Mo steel -- Effect of Sequential Drilling Process on In-situ Bone Temperature -- Numerical Simulation and Experimental Validation of A-TIG Welding of 2.25Cr-1Mo steel -- Finite Element Analysis of Semi-Elliptical Surface Cracks in Horizontal Type Pressure Vessel -- Effect of Process Parameters of Plasma Arc Preheating on Low Carbon Steel -- Application of Expert System with Fuzzy logic and Artificial Intelligence (AI) for Recognizing Alzheimer -- On Estimation of Scallop Height from CNC Part Programs -- Investigation on Dimensional Accuracy for CFRP Antenna Reflectors using Autoclave and VARTM Processes --

Investigations on the Influence of Radial Run-out On Cutting Forces for Serrated Cutters -- Influence of Pouring Temperature on Fluidity of Al-Cu Cast Alloy: Analyses using Casting Simulation Software.

Sommario/riassunto

This volume presents a selection of papers from the 2nd International Conference on Computational Methods in Manufacturing (ICCMM 2019). The papers cover the recent advances in computational methods for simulating various manufacturing processes like machining, laser welding, laser bending, strip rolling, surface characterization and measurement. Articles in this volume discuss both the development of new methods and the application and efficacy of existing computational methods in manufacturing sector. This volume will be of interest to researchers in both industry and academia working on computational methods in manufacturing.
