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Collana	Lecture Notes in Mechanical Engineering, , 2195-4356
Disciplina	621
Soggetti	Thermodynamics Heat engineering Heat transfer Mass transfer Fluid mechanics Automotive engineering Aerospace engineering Astronautics Computer-aided engineering Manufactures Engineering Thermodynamics, Heat and Mass Transfer Engineering Fluid Dynamics Automotive Engineering Aerospace Technology and Astronautics Computer-Aided Engineering (CAD, CAE) and Design Manufacturing, Machines, Tools, Processes
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Nota di contenuto	Recent Development in Virtual Cellular Manufacturing System -- IoT Integration in Industry - A Literature Review -- Defect Reduction in Manufacturing Industry Using Lean Six Sigma Approach -- Modeling the Interrelationship of Critical Success Factors Adoption of Sustainable Lean Manufacturing Using DEMATEL Approach -- Green Supply Chain Management: Evolution of the Concept, Practices and Trends -- Human

Upper Limb Joint Torque Minimization Using Genetic Algorithm -- A Low-Cost Cold Chain Suggestion for Indian Fruit and Vegetable -- Optimization of Cutting Parameters of Machinability Aspects during Dry Turning -- Total Interpretive Structural Modelling of Critical Factors of Sustainable Oriented Innovation for Indian Manufacturing Msmes -- Cloud Computing In Industries: A Review -- Numerical and Experimental Investigations on Film Cooling Performance of Trench Model Embedded with Compound Angle Film Hole Jets -- Identifying and Modelling of Constructs for Innovation Management of Msmes: An ISM Approach -- Investigation of Drivers towards Adoption of Circular Economy: A DEMATEL Approach -- Simulation Based Analysis of Performance Parameters of Thrust Pad Bearing Under Thin Film Lubrication with Chamfered Inlet -- Workplace Safety Improvement through Quality Control Circle Approach in Heavy Engineering Industry.

Sommario/riassunto

This book presents the selected peer-reviewed papers from the National Conference on Advances in Mechanical Engineering (NCAME 2019), held at the National Institute of Technology Delhi, India. The book covers different areas of mechanical engineering from design engineering to manufacturing engineering. A wide range of topics are discussed such as CAD/CAM, additive manufacturing, fluid dynamics, materials science and engineering, simulation and modeling, finite element analysis, applied mechanics to name a few. The contents provide an overview of the state-of-the-art in mechanical engineering research in the country. Given the scope of the topics covered, the book will be of interest for students, researchers and professionals working in mechanical engineering.
