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Altri autori (Persone)	GaolFord Lumban
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Applied Mechanics and Industrial Technologies; Preface and Committees; Table of Contents; Synthesis and Light-Emission Properties of Manganese-Doped Calcium Zirconate Phosphor and Manganese-Doped Strontium Zirconate Phosphor; Biomechanical Assessment of Unconstrained Elbow Prosthesis after Total Elbow Replacement: A Finite Element Analysis; Study on the Photocatalytic Degradation of Methylene Blue Dye on Titanate Nanotube Powders Prepared by Methanol-Thermal Process; Transient Analysis of Inlet Fogging Process for Gas Turbine Systems An Assessment of Wet Compression Process in Gas Turbine Systems with an Analytical Modeling Assessment of Hole Quality and Thrust Force when Drilling CFRP/Al Stack Using Carbide Tools; Multi-Objective Optimization of Filament Wound Composite Pressure Vessels Based on Weight and Matrix Cracking/ Burst Pressure Using Imperialist Competitive Algorithm; In Situ Laser Build-Up Welding of Shipboard Crankshafts; Stress and Deformation Analysis for Caster Segment Based on ANSYS; Instable Crack Propagation Analysis with PDS-FEM; Reducing the Manufacturing Cost by Using Combination Die

Effect of Aluminium Alloy and Mild Steel on the Productivity in Sheet Metal Forming Processes; Exergetical Performance Assessment of Organic Rankine Cycle with Superheating; Effect of Machining Parameters on Cutting Force when Turning Untreated and Sb-Treated Al-11%Si-1.8%Cu Alloys Using PVD Coated Tools; Numerical Investigations of Steel Beam-to-Column Connections with Reinforcing Plates; Seismic Performance Assessment of a Non-Ductile RC Building Retrofitted by Steel Bracing or Fiber-Reinforced Polymers; Seismical Protection Properties of High Damping Rubber Bearing and Lead Rubber Bearing Base Isolation Systems for Multi-Storey RC Buildings; Dynamic Nonlinear Analysis of a Hybrid Base Isolation System with Viscous Dampers and Friction Sliders in Parallel; Optimization Data Processing Result of Integrated Media Plan System (IMPLANS) to PT. CS Media Customer Satisfaction; Performance Evaluation of CRM System Based on Cloud Computing; Optimization Performance Measurement of Managed Service Division in ITIL Framework Using Statistical Process Control; Keywords Index; Authors Index

Sommario/riassunto

The proceedings of the International Conference on Applied Mechanics and Manufacturing Technology (AMMT'12) focus on applied mechanics and its application to manufacturing technology emphasize the role which these conferences play as a forum where researchers and engineers can exchange results and experiences in these fields. Review from Book News Inc.: The 21 papers explore applied mechanics and its application in manufacturing. Among the topics are the transient analysis of inlet fogging process for gas turbine systems, the multi-objective optimization of filament wound composite pressure ve
