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Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volume 620
Disciplina	670.42
Soggetti	Industrial engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Industrial Engineering and Applied Research; Preface, Committees and Sponsors; Table of Contents; Chapter 1: Industrial Engineering, Product Design, Numerical Modelling and Simulation; CFD Simulation and Study of Air Pump Loss on Two Kinds of Retarders with Different Turbulent Structures; Study on a Flutter Stability Control Measure of Fabricated Steel Truss Bridge; Thermo-Structural Coupling Numerical Analysis of Rectangular Vessel; A New Redundant-DOF Wearable Master Device with Force Feedback; Finite Element Analysis of Two Wheels Scooter Based on Solidworks Designing and Simulating a Mechatronic Inerter Analysis, Design and Simulation of Transmission System in a Mini Vehicle Weapon System (Unmanned Ground Vehicle); Prediction of the Development of Non-Equilibrium Turbulent Boundary Layers Based on Modified Log-Wake Law; A New Type of Underwater Salvage Dilator with Seawater Hydraulic Drive; The Spiral Space Form of Exhibition Buildings Based on Topology and Bionics; Portable Fire Water Branch Stents Structure Design and Kinematical Simulation; On Surface Continuity in the Proccession of Product Design 3-D Model Reconstruction and Mold Flow Simulation for an Existing Shaped Part Analysis of Surge Shaft Excavation Process Based on 3-

Dimensional Finite Difference Method; Singular Configurations Analysis of a Redundantly Actuated Parallel Manipulator; Two-Machine Flowshop Problem with Release Dates, Rejection and Non-Availability Interval on the First Machine; Internal Flow Field Analysis of Air-Suction Roller-Type Precision Metering Device; The UG Parametric Design of Vertical Horizontal Circular Vibration Drier Chassis  
Instructional Design Integrated with Quality Function Deployment (QFD) and TRIZ40 Structure Design Based on Mechanism and Materials Property; Analysis of the Pressure and the Gas leak of the Piston Ring of a New Double-Rotor Engine; Design Optimization of Hub for 3-Bladed Horizontal Axis Tidal Turbine; A New Method of LCMV Algorithm in GNSS Anti-Interference; Research on Damage Technology of Variable-Structure Following Warhead; Analysis of Geometric Characteristic of Missile Vertical Launching System Guide Rail  
Finite Element Analysis of Magnetization Reversal Effect Based on Ferromagnetic Specimens Design of Electronic Seal Terminal for Tank Vehicles; Parametric Modeling and Analysis of Self-Loading Container Vehicle Based on ANSYS; The Automobile Tension Bar Time-Varying Reliability Sensitivity Analysis; The Applied Research of Ergonomics in Lying Plate of Repair; Virtual Reality Technology Applied in Automobile Modeling Design; Distribution Substation Site Planning Method Summary and Discussion; Research of the Design and Simulation of Ultrasonic Focusing System with Phased Array  
Coanda Effect on the Impact of Distribution Characteristics of Oil-Air Annular Flow

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Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 3rd International Conference on Industrial Design and Mechanics Power (3rd ICIDMP 2014), June 21-22, 2014, Beijing, China. The 94 papers are grouped as follows: Chapter 1: Industrial Engineering, Product Design, Numerical Modelling and Simulation, Chapter 2: Manufacturing Technology and Processes, Chapter 3: Sensors, Controlling and Monitoring Technologies, Chapter 4: Tribology, Vibration and Testing Technologies, Chapter 5: Robotics and Control Systems, Chapter 6: Applied Research in Power Engineering, Chapter 7: Materials Science, Te

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