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Titolo	Mechanical, electronic and information technology engineering : selected, peer reviewed papers from the 2015 International Conference on Mechanical, Electronic and Information Technology Engineering (ICMITE 2015), March 21-22, 2015, Chongqing, China / / edited by X. Q. Zeng, Y.N. Chen and B. Xu
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Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volume 743
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Soggetti	Materials - Mechanical properties Information technology Electronic books.
Lingua di pubblicazione	Inglese
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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	Mechanical, Electronic and Information Technology Engineering; Preface; Table of Contents; Chapter 1: Mechanical Engineering; The Design and Characteristic Analysis of the Steering System of Balanced Rocker Wheeled Chassis; Design and Optimization of Clutch Hydraulic Shift Control System in Automatic Transmissions with Failure Protection Function; The Common Fault Analysis and the Solution of CKA6140 NC Lathe; Singularity and Dexterity Analysis of the Test Tilter for the Optical Landing Aid System Analysis on Current Technical Status and Development of Tumbler Screening Machines in China and Abroad Fuzzy Multiple Attributes Decision-Making Hybrid Model for Selecting Aircraft Baseline Scenario; Design of a Horizontal Axis Turbine Marine Energy Generation System; Adaptive Optimization Design of Machining Center Tool Changing Manipulator; Fatigue Damage of a Cutter Used for Cutting Cashew Nut under Random Load; Key Technologies Research of Helicopter Transmissions; Structure Strength and Stability Analysis on the Truss under the Operation of Lifting

Modeling and Simulation on the Gas/Water Two-Phase Ballistics of Trans-Media Aircraft Kinematic Error Analysis of Parallel Machine Tool Based on Rigid Body Dynamics; Simulation of Frictional Thermal Effect during Blade-to-Case Full Annular Rub; Influence of Micro-Morphology on Thermal Elastohydrodynamic Lubrication of Water-Lubricated Tenmat Bearing; Analysis to the Depth of Subgrade Workspace of the Heavy-Loaded Traffic Main Road in Shanghai; A Study on the Influence of Sun Gear Misalignment on Planet Load Sharing and Lifetime of Planetary Gear Using MSC.ADAMS

Nonlinear Behavior Analysis of a Flapping-Wing Mechanism with Clearance Joint Analysis on Shear Stress Design Index of Long-Life Asphalt Pavement under Complex Traffic Conditions; Design and Research on the Split Pipe-Jacking Structure; Chapter 2: Mechatronics, Automation and Control, Intelligent Systems; Co-Simulation of an Integrated Braking System Based on Dual-Motor Drive by Using ADAMS and SIMULINK; Study on the Mechanism of Magnetic Paraffin Control of Crude Oil Based on the Reorientation of Paraffin Crystals Induced by Magnetic Field

An Approach for the Implementation of Intelligent PID Controller Based on Fast Genetic Algorithm Research of Large Erecting Control System Based on Fuzzy PID Control Algorithm; An Investigation of Undulating Shape Adaptation Characteristics of a Hydraulic-Driven Bionic Undulating Robot; Wireless Monitoring and Controlling Marine Navigation Parameters; Research on PCS Real-Time System Based on Integrated Control and Simulation; Rapid Design of DC Motor Speed Control System Based on MATLAB

Research on Integrated Control and Simulation of Three-Phase Voltage Source PWM Rectifier Based on 64-bit RTW

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2015 International Conference on Mechanical, Electronic and Information Technology Engineering (ICMITE 2015), March 21-22, 2015, Chongqing, China. The 156 papers are grouped as follows: Chapter 1: Mechanical Engineering; Chapter 2: Mechatronics, Automation and Control, Intelligent Systems; Chapter 3: Electronic and Embedded Systems; Chapter 4: Applied Mathematics, Computational Methods and Algorithms, Data, Image and Signal Processing, Identification; Chapter 5: Information Technology and Computer Science, Networks; Chapter 6: Instrumentatio
