

1. Record Nr.	UNINA9910787026203321
Titolo	Computer-aided design, manufacturing, modeling and simulation IV : selected, peer reviewed papers from the 4th International Conference on Computer-Aided Design, Manufacturing, Modeling and Simulation (CDMMS 2014), September 13-15, 2014, Chongqing, China // edited by Maode Ma and Xilong Qu
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : TTP, , 2014 Enfield, New Hampshire : , : Trans Tech Publications Ltd, , [date of distribution not identified] ©2014
ISBN	3-03826-535-7
Descrizione fisica	1 online resource (1169 p.)
Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volumes 608-609
Disciplina	620.00420285
Soggetti	Computer-aided design
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 and index.
Nota di contenuto	Computer-Aided Design, Manufacturing, Modeling and Simulation IV; Preface, Committees and Reviewers; Table of Contents; Chapter 1: Advanced Developments of CAx, Modelling and Simulation Technologies in Manufacturing; Weld Seam Edge Detection Based 2D Maximum between-Cluster Variance and Genetic Algorithm; Solid Modeling and Optimization Design of Crank Rocking Flying Shear; Research on the Separation Performance of Deoiling Hydrocyclones; Design of Hydraulic Descaling Computer Control System; Object-Oriented Program Tailoring Based on Model Research of Collaborative Simulation Modeling of High-Speed Machine Tools Research on Modeling Design in Composite Molding; Study on Form Process of Resin Composite Material and Graphic Artist Designer; Simulation on Mechanic Behavior of Steel and Concrete Composite Beams; Research on Structure and Lightweight of Automobile Seats; Research on Integrated Simulation of Space Robot Mission; Numerical Simulation Analysis of Smoke Control and Flow for Large Building Fire; Analysis of Numerical Simulation and Performance Prediction in Centrifugal Pump for Warship

Analysis on Stamping Forming Simulation and Springback Control of High-Strength Steel Auto-Body Panels; Study on the Processing and Simulation of End-Gear Based on CNC Theory; Numerical Simulation of Heat Pipe Heat Exchanger in Dedicated Ventilation System; Simulation Research on Nonlinear Vehicle Handling Inverse Dynamics; Chapter 2: Advanced Technologies in Modeling, Simulation, Analysis and Design of Various Modern Industries; Numerical Analysis and Research on the Profile Bending; Improved Clustering Algorithm of Spatial Data Structure Based on Matlab Simulink
Real-Time Monitoring System for Moving Object Model Based on Matlab Simulation; Simulation and Prediction of Signal Processing in Communication Terminal Based on Grey Algorithm; Chaotic Modeling Design of LOCKSS Digital Resources Based on Neural Network Model; Key Technology of Physical Dynamic Simulation Based on Virtual Reality; Mold Design and Processing Simulation Software Engineering Based on Creative Industry Pattern; Emergency Supplies Demand Forecasting Model; Research on Seismic Design and Modeling of City Viaduct
Research on Integration Model of Urban Spatial Layout and Traffic Demand; Analysis on Financial Support Efficiency of Strategic Emerging Industries Based on DEA - Tobit Model; Watch the Performance of Traffic Rules from a Microscopic Perspective; Storage Functions of Motion Sensing Images Based on the Environment of Cloud Computing; Simulation Experiment of Physical Energy Based on Data Mining Technology; Platform Development of Wushu Data Mining Based on B/S Architecture; Acquisition System Construction of Travel Information Based on Wireless Sensor Network
Research on Service Capability Based on Data Mining

Sommario/riassunto

Collection of selected, peer reviewed papers from the 4th International Conference on Computer-Aided Design, Manufacturing, Modeling and Simulation (CDMMS 2014), September 13-15, 2014, Chongqing, China. The 227 papers are grouped as follows: Chapter 1: Advanced Developments of CAx, Modelling and Simulation Technologies in Manufacturing, Chapter 2: Advanced Technologies in Modeling, Simulation, Analysis and Design of Various Modern Industries, Chapter 3: Information System Design and Development, Networks Applications, Modern Methods of Intelligent Automation, Data Mining and Processing, Chapter
