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Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Advanced Manufacturing and Industrial Engineering; Preface and Conference Organization; Table of Contents; Chapter 1: Structural Dynamic Analysis, Optimization and Control; Analysis and Optimization of Bracket of Slag Well Based on ABAQUS; Deformation and Stress Analysis of Flapping Wing Aerial Vehicles Based on Composites Model; Numerical Investigation on the Fatigue Behavior of the Multi-Planar Tubular DX-Joint under Combined Loads; Research on the Effect of Seasonal Environmental Loads on Bohai Bay Offshore Platform; Research on Transonic Wind Tunnel Flutter Test for a Wing Model Modeling and Analysis of Wire Rope in the Drilling Device Using ANCF Method Review on Damage Identification and Diagnosis Research of Civil Engineering Structure; Structure Design of Car Overpass in the Urban Rail Construction; A Three-Dimensional Distribution Model of Pressure on Inner Surface of Elbow Pipe Based on FLUENT; An Agricultural Vehicle Frame Load Characteristic Agricultural Experimental Research; Analysis of Seismic Isolation Device for Earthquake Resistant Building Structure Reinforcement; Rise Steel Wind-Induced Response Analysis Different Types Cross Section Columns Combination of Multi-Layer

Steel Frames Optimum Design Analysis
Strength Calculation Based on Contact Nonlinear Analysis of Coupler Bolt with Three Methods;
Chapter 2: Oil, Gas and Mineral Exploration Engineering; Analysis on Water Abundance of Loose Aquifer and Quality Evaluation of Overburden Strata during Mining under Loose Aquifer; Coal Mine Land Reclamation Measures - Open-Pit Coal Mine of Baofa Coal Co., LTD; Research on the Water Absorbent Laws of Injection Wells Formation Study of Experiments on Dosage of the Flocculating Agent of Pure Minerals for the Overflow of Concentrate of the Before Mineral Processing of Strong Magnetism
Technical Research of Composite Blockage Remover Technology in Dongrengou Oil Region of Dingbian Oilfield; The Application in Calculation of the Horizontal Wells' True Thicknesses - An Example of Penglaiba Formation in the Northern Tarim Basin; The Evaluation of Potential of Shale Oil Resources in K1qn1 Formation of Southern Songliao Basin; Water Absorption Technology of Gas Drilling
Application of Tracer Test in Survey of Hydraulic Connection between Water Gushing and Fracture Water in Karst Tunnel - Taking Zhongjiashan as an Example
Research on the Characteristics of Electromagnetic Radiation in the Impact Damage Process of Coal;
Chapter 3: Heat, Fluid and Flow Engineering, Thermodynamics Manufacturing Applications; Analysis and Numerical Simulation of Flow Field in Centrifugal Pump; The System of Water Pressure Detection; Analysis and Troubleshooting of the Hydraulic System about Bicycle Assembly Line
Dynamic Characteristics Investigation on Hydraulic System of Power-Slipway for Combined Machine Tools

Sommario/riassunto

Collection of selected, peer reviewed papers from the 4th International Conference on Advanced Engineering Materials and Technology (AEMT 2014), June 14-15, 2014, Xiamen, China. The 238 papers are grouped as follows: Chapter 1: Structural Dynamic Analysis, Optimization and Control, Chapter 2: Oil, Gas and Mineral Exploration Engineering, Chapter 3: Heat, Fluid and Flow Engineering, Thermodynamics Manufacturing Applications, Chapter 4: Innovative Mechanical Design and Systems Dynamics, Chapter 5: CAD / CAM / CAE, Chapter 6: Advanced Manufacturing and Industry Engineering, Manufacturing Producti
