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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Innovation Manufacturing and Engineering Management; Preface, Committees and Reviewer; Table of Contents; Chapter 1: Manufacturing Technology and Applications; Configuration Synthesis of Micro/Nano-Positioning Stage Based on Graph Theory; RFID-Enabled Manufacturing Executing System for Flexible Assembly Line; Harmonious Development of Coastal Ports and Port City Manufacturing Technology Economy in China; Dynamic Stresses Concentrations of SH Wave by Circular Tunnel with Lining; Supplier Selection in B2B Manufacturing Commerce Using AHP-DEA; Dynamic Simulation of Harmonic Drives Based on FEM Application of DNA Genetic Algorithm in Manufacturing System Scheduling Optimization Soft-Sensor for Estimation of Lead Slices Thickness in Continuous Casting Process; Hydrodynamic Mathematical Modeling of the Yangshan Deep-Water Harbor Waters, China; Multidisciplinary Design Method Taking Traditional Manufacturing Factors into Account; Research on the Seed-Fertilizer Box for a Ridge-Till and No-Till Seeder; Research on the Investment Decision-Making on the Application of Advanced Manufacturing Technologies in Enterprises; Zigbee-Based Data Acquisition System for Manufacturing Solder Selection of Lead-Free Reflow Soldering and Optimization of Craft Curve Low Reflectivity ErAlO Film on Si as Anti-Reflecting Coating

in Solar Cells; Genesis Analysis of Common Defects of Reflow Soldering and Research for Solutions; Key Parameter Optimization in Wave Soldering; A Dynamic Clustering Querying Algorithm Based on Grid in Manufacturing System; Design of Accelerator in Wind Power Generator with Creative Mechanical Design Methodology; Analyze of Traditional Clothing Manufacturing Technology and Five Traditional Colors Based on Management Principle

Modified Mechanical Model of Normal Penetration of Rigid Projectiles into an Aluminum Target; Design and Implementation of Mandarin Air Pressure Corpus Processing Manufacturing Platform; A Study on Intelligent Network Manufacturing Model Based on Cloud Computing; A Non-Intrusive on Line Detection Device Based Wireless Network Electromagnetic Valve; Design of Anti-Radiation Notebook Computers; Application of CMAC Neural Network & PID Control on Hydraulic Speed Servo System; A Study of the Installation and Adjustment Analysis Approach for Shaft Coupling Device with CAD

Chapter 2: Innovation Engineering Management; Construction and Expression of Database for Computer-Aided Welding Fixture Design (CAWFD) Systems; Study on Self-Evolutionary Game in Co-Operative Knowledge Sharing Manufacturing Network; A Case Library Creating Method Based on Risk Control of Tunnel Engineering; An Electronic Components Screening Quality Control Method; Fuzzy PID Temperature Control in Manufacturing Engineering; Research on Management Information System of the Logistics Supply Chain of Liaoning Agricultural and Mechanical Products; Research and Design of Data-Interpreting Expert System for Geographical Prospecting of Dike Hazard

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#### Sommario/riassunto

The main themes and trends covered by this volume are Manufacturing Technology and Applications and Innovation Engineering Management. Both inward-looking research (core areas of Materials and Manufacturing Technology) and outward-looking research (multi-disciplinary, inter-disciplinary and applications) are reviewed. The work will provide invaluable guidance to those interested in these subjects. Review from Book News Inc.: Fifty papers from the October 2011 conference propose new approaches to manufacturing processes, scheduling, logistics, cost management, data processing, and port construc

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