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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

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
