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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	Advances in Computers, Electronics and Mechatronics; Preface and Conference Organization; Table of Contents; Chapter 1: Information Technologies and Intelligent Decision Making System in Industry, Management and Education; Design and Implementation Virtual Reality Systems for Vocational Education; Electrical Marketing Application System Training's Auxiliary Means that Based on VBA; Passenger Flow Prediction of Exhibition Based on ARMA; The New Media Influence Ranking of Provincial Satellite TV Based on Fuzzy Math Method Information-Based Entrepreneurship Related Fields of Research to Promote the Development of Strategic Emerging IndustriesThe Research and Application of Intimacy in Microblog; Similarity Detection's Application Using Chi-Square Test in the Property of Counting Method; Realization of Email Address Register Validation on Engineering Machinery Service Platform; Design and Implementation in Project Based Case Learning System for Education in Software Engineering; Research of Information Integration for the Grid Panoramic Information Platform Based on SOA Research on the Construction of Library Knowledge Service

PlatformResearch on Performance Evaluation of Finance Transportation Projects Based on Fuzzy Neural Network; An Improved Independent Component Analysis with Reference; The Research of BIM Theory Applied in Decision Making of Commercial Building Green Retrofit; Study of Crew Scheduling System for High-Speed Railway; Key Technologies for High-Speed Railway Timetable Parameter Design Based on Train Operation; Study on High-Speed Railway Train Scheduling Based on Integration of Management and Control Similarity Measure between Vague Sets Based on ProductsThe Decision-Making Method of Web Services Composition Based on Action Patterns of Open Fuzzy Petri Net; Barcode-Based Service-Oriented Material Flow Technology for Complex Product Assembly; Research on the Influence of Combination Information-Sharing on Supply Chain Performance; Design of Logistics Management System Based on Workflow; Research on the Change of Automobile Marketing Mode with Development of Mobile Internet
Research and Development of Power Dispatching Management System Based on Transmission, Distribution and Marketing Data Integration PlatformChapter 2: Computer Networks, Communications Technology; A Dynamic Load Balancing Method with Available Bandwidth Information; An Effective Multicast Stream Scheduling Mechanism in Passive Optical Networks; An Improved TCP Congestion Control Algorithm in High Speed Satellite Links; Distributed Potential Field Based Routing with Priority Connection Probability for NDN; Domain Names Based on Fault Tree Analysis
Performance Evaluation of Ethernet Passive Optical Network for Smart Grid

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 International Forum on Computers, Electronics and Mechatronics (IFCEM 2014), August 27-28, 2014, Zhuhai, China. The 82 papers are grouped as follows: Chapter 1: Information Technologies and Intelligent Decision Making System in Industry, Management and Education; Chapter 2: Computer Networks, Communications Technology; Chapter 3: Software Development; Chapter 4: Technologies and Methods of Data and Signal Processing; Chapter 5: Sensors, Testing, Detection, Measurement and Monitoring Technologies; Chapter 6: Modern Technology in Electro
