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Nota di contenuto	Research in Engineering and Management of Advanced Manufacturing Systems; Preface and Committees; Table of Contents; Chapter 1: Modern Trends in Manufacturing Management; Deriving an Economic Model for the Production of New Materials; Innovative Model of Economic Development in the Region; Cluster Policy and its Influence on Economic Competitiveness; Knowledge Model of Corporate Governance; Mathematical Methods in Planning Production Capacity as Exemplified by Enterprises of the Footwear Sector; Linking Management Levels of the Production Process; Qualitative Problems in Enterprises Risk Assessment Using the AHP Method in the Automotive IndustrySelected Directions in Analysis of Innovative Activities in Enterprises; Case Study of Production Diversification Strategy in an Industrial Company; Chapter 2: Machines and Equipments of Manufacturing Systems; Measurement of the Distance between Axes of Holes with the Roundtest RA-120; Non-Destructive Testing of Inhomogeneity of Wood Plastic Composite; Product Quality Improvement Using Simulation Tools; Simulation of Robot Motion

Operating in the Workcell to Specify Servomotors in its Individual Joints
Study the Quality of Welded Joints of Steel S235The Comprehensive Comparison of the Selected Cutting Materials with Standard ISO 3685 in Machining Process of Steel C60; The Principles of Fixtures Design and their Application at Virtual Modelling in CAD/CAM System; The Shift towards Smart, Green and Integrated Raw Materials Efficiency; The Comparison of Durability Ceramic Cutting Tools in Turning Process of Steel 80MoCrV4016; Upgrade of the Function Quality of the Machine Tools by the Oscillations Compensation; The Simulation as a Tool for Technical Devices Design and Optimization
Chapter 3: Logistics and RFID in Manufacturing SystemsEPCIS Implementation and Customization for Automotive Industry; Applying RFID for Synchronization of Factory Floor Documentation in Robotic Manufacturing Cells; Application of RFID Technology in Public Transport Company; Application of RFID and ICT in Reverse Logistic in Poland; Logistic of Building Simulation Model of Healthcare Facility for Further Performance Management - Case Study; Opportunity of RFID Using for Intermodal Transport in Security of Goods; Supply Chain Management in Condition of Production Company
Comparison of Reading Speed of Bar Codes and RFIDTransport Effectiveness in Distribution of Steel Products; Chapter 4: Researching and Designing of Industrial and Manufacturing Systems; Production-Oriented Cell Formation Methods and Performance Indicators: Taxonomic Review and Trends; Design Policies in Virtual Cellular Manufacturing Systems by Multi-Domain Simulation Environment; Approach to Creating Structures of Production Systems; Possibilities of Production Simulation in Software Product Tecnomatix - Plant Simulation at Wood Processing Example
Practical Requirements on Production Systems

Sommario/riassunto

Collection of selected, peer reviewed papers from the 4 th International Conference on Management of Manufacturing Systems (MMS 2014), October 1-3, 2014, High Tatras, Slovakia. The 40 papers are grouped as follows: Chapter 1: Modern Trends in Manufacturing Management; Chapter 2: Machines and Equipments of Manufacturing Systems; Chapter 3: Logistics and RFID in Manufacturing Systems; Chapter 4: Researching and Designing of Industrial and Manufacturing Systems