

1. Record Nr.	UNINA9910460316403321
Titolo	Research in engineering and management of advanced manufacturing systems : selected, peer reviewed papers from the 4th International Conference on Management of Manufacturing Systems (MMS 2014), October 1-3, 2014, High Tatras, Slovakia // edited by Vladimir Modrak, Pavol Semanco and Michal Balog
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : TTP, , 2015 ©2015
ISBN	3-03826-762-7
Descrizione fisica	1 online resource (257 p.)
Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volume 718
Disciplina	620.0042
Soggetti	Engineering design Engineering design - Research Engineering Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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	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 Industry Selected 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

---