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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Computational Intelligence in Production Managements -- Determination of Operating Parameters and Performance Analysis of Computer Networks with Paraconsistent Annotated Evidential Logic E -- Abstract -- 1 Introduction -- 2 Methodology -- 3 Analysis of the Results -- 4 Conclusion -- References -- Logical Decision-Making Method Relating

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Introduction -- 2 Materials and Methods -- 2.1 Emergency Accounting -- 2.2 Interpreting Law Terms Through the Emergency Approach -- 2.3 Calculation Considerations -- 2.4 Jundiai-Mirim Micro-Watershed -- 3 Results and Discussion -- 4 Concluding Remarks -- Acknowledgments -- References -- Combining Genetic Algorithm with Constructive and Refinement Heuristics for Solving the Capacitated Vehicle Routing Problem -- 1 Introduction -- 2 Theoretical Background -- 2.1 Capacitated Vehicle Routing Problem -- 2.2 Heuristics and Metaheuristic Techniques Employed by Proposed Approach -- 3 Methodology -- 4 Proposed Strategy for CVRP Optimization -- 5 Results and Discussion -- 6 Conclusions and Outlook -- References -- Container Crane Controller with the Use of a NeuroFuzzy Network -- Abstract -- 1 Introduction -- 2 Theoretical Bases -- 2.1 Container Crane -- 2.2 Fuzzy Logic -- 2.3 Artificial Neural Networks -- 2.4 Neuro Fuzzy Network -- 3 Materials and Methods -- 4 Results of Computational Experiments -- 5 Conclusions -- References -- Agility Challenges in Finnish Manufacturing Companies - Manufacturing Operations Management Viewpoint -- Abstract -- 1 Introduction -- 2 Research Method -- 3 Background - Enablers of Agility -- 4 Analysis of the Agility Challenges -- 4.1 Identified Challenges and Their Interconnections -- 4.2 Analysis of Critical Challenges -- 4.3 Actions for Improving Agility -- 5 Conclusions -- Acknowledgements. References -- Improving Process Management in a Water Treatment Plant Using Control Modelling -- 1 Introduction -- 2 Methodology -- 3 Results and Discussion -- 4 Conclusions -- References -- An Integrative Model of Productivity and Logistic Objectives -- 1 Introduction -- 2 Productivity and Logistic Objectives -- 2.1 Labor Productivity -- 2.2 Logistic Objectives and the Manufacturing Control Model -- 3 Linking Capacity, Productivity and Output -- 4 Integrating Productivity into the Manufacturing Control Model -- 5 Interaction of Productivity and Logistic Objectives -- 6 Summary -- References -- Pursuit of Responsiveness in SMEs Through Dynamic Allocation of Flexible Workers: A Simulation Study -- 1 Introduction -- 2 Worker Flexibility -- 3 Case Company -- 4 Control Logics for Adaptive Decision-Making and Simulation Design -- 5 Simulation, Analysis and Results -- 6 Conclusion -- References -- Effectiveness of Production Planning and Control (PPC) in a Baby Fashion Cluster, Under the Prism of Paraconsistent Logic -- 1 Introduction -- 2 Literature Review -- 2.1 Production Planning, Programming and Control -- 2.2 Paraconsistent Logic Annotated -- 2.3 Competitive Clusters -- 2.4 Baby Fashion Cluster -- 3 Methodology -- 4 Results and Discussion -- 4.1 Planning Premises -- 4.2 Considerations on Intraorganizational Network -- 4.3 Planning Functions -- 4.4 Intersectional Factors -- 5 Conclusions -- References -- Dynamic Seed Genetic Algorithm to Solve Job Shop Scheduling Problems -- Abstract -- 1 Introduction -- 2 Proposed Methodology -- 2.1 Representation Mechanism -- 2.2 Dynamic Seed Genetic Algorithm -- 3 Experiments -- 3.1 Performance Related to the Quality of the Solution -- 4 Conclusions and Suggestions -- Acknowledgements -- An Improved Computer-Aided Process Planning Method Considering Production Scheduling -- 1 Introduction. 2 Overview of Conventional Method -- 3 Improved Integrated Method of CAPP and PS -- 4 Case Study -- 5 Conclusion -- References -- Modelling of Business and Operational Processes -- Strategic Portfolios for the Integral Design of Value-Added Networks -- 1 Importance of Portfolios for Strategic Planning -- 2 Modelling of the Value-Added Network at the Strategic Level -- 3 Portfolios for the Network Design in Different Areas -- 3.1 Production Network Design -- 3.2 Transportation Network Design -- 3.3 Distribution Network Design --

3.4 Retail Network Design -- 4 Integration of the Portfolios -- 5
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4 Performance Analysis Using Simulation Model -- 5 Conclusions --
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with Using ADOxx© -- 3.1 Modelling Language -- 3.2 Mechanisms and
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Discussion -- 4 Conclusions -- References.
The Profile of High-Tech Start-Ups: An Approach by the Prism of
Graphical Analysis of Network Relations.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2016, held in Iguassu Falls, Brazil, in September 2016. The 117 revised full papers were carefully reviewed and selected from 164 submissions. They are organized in the following topical sections: computational intelligence in production management; intelligent manufacturing systems; knowledge-based PLM; modelling of business and operational processes; virtual, digital and smart factory; flexible, sustainable supply chains; large-scale supply chains; sustainable manufacturing; quality in production management; collaborative systems; innovation and collaborative networks; agrifood supply chains; production economics; lean manufacturing; cyber-physical technology deployments in smart manufacturing systems; smart manufacturing system characterization; knowledge management in production systems; service-oriented architecture for smart manufacturing systems; advances in cleaner production; sustainable production management; and operations management in engineer-to-order manufacturing. .
