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Autore	Mizuyama Hajime
Titolo	Advances in Production Management Systems. Cyber-Physical-Human Production Systems: Human-AI Collaboration and Beyond : 44th IFIP WG 5.7 International Conference, APMS 2025, Kamakura, Japan, August 31 - September 4, 2025, Proceedings, Part II // edited by Hajime Mizuyama, Eiji Morinaga, Tomomi Nonaka, Toshiya Kaihara, Gregor von Cieminski, David Romero
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Altri autori (Persone)	MorinagaEiji NonakaTomomi KaiharaToshiya von CieminskiGregor RomeroDavid
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Nota di contenuto	-- Smart Manufacturing Evolution: Integrating AI and the Digital Twin for Human-centric, Circular and Collaborative Production Systems. -- Adapting to Technological Change: A Case Study on AI Implications for Shop-Floor Level Worker. -- Skeletal and Positional Based Individual Identification Method in Manufacturing Shop floors. -- Purpose-Driven Digital Twins for Production Systems: Mapping Decisions, KPIs, and Users. -- Federated Learning for Smart Manufacturing: Evaluating Deep Learning Architectures for Time Series Forecasting in a Collaborative Framework. -- Human-centered Service Engineering and Digital Transformation for Sustainable Service Industries. -- Comparative Refinement of AR-based Inspection via a VR-based

Prototyping Cycle - Towards Accelerated Consensus Building in Pharmaceutical Wholesaling. -- Modeling Consumer Outing Behavior Using Lifestyle Analysis and Mobility Data. -- Exploring System Architecture for Food Transformation (FX): Advancing Recipe Design with Alternative Proteins. -- A transportation scheduling method using integer programming. -- Shaping Human Capital for Industry 5.0: Skills, Knowledge and Technologies for Human-centric, Resilient, and Sustainable Manufacturing. -- Competence development for the twin transition: a socio-technical perspective. -- Circular Economy Upskilling: A Course on Digital Transition and Transformation. -- Gap analysis of Industry 5.0-driven Product Lifecycle Management. -- Exploring the Influence of Operator Features on the Performance of Maintenance Tasks: Insight from Industry Experts. -- Experiential Learning in Engineering Education. -- A Systematic Approach to Evaluate Player Experience in Project Management Serious Games. -- Gamifying Project Management: Insights from the Titan Mall Serious Game. -- Reflections on the usage of a COTS Game in Teaching Logistics. -- Suggestion and Evaluation of Unified Modeling Language Diagram Creation Tool using AR Technology. -- The Contribution of Cyber-Security for improving the Resilience of Supply Chains – The Need of Employee Training. -- Gamification of Decision Making for Performance Management of Multi-Echelon Supply Chains. -- Theoretical and Practical Advances in Human-centric, Resilient, and Sustainable Supply Chain Management. -- Designing Sustainable Blood Distribution Networks: A Simulation Approach from the Bergamo Province Case Study. -- Local Explanation Method for Ordering Policy in Perishable Inventory Management Problem Using LLM and LIME. -- A Multi-Period Multi-Objective Model for Sustainable Supply Chain Optimization using MILP Framework. -- Inventory Control Using a Lévy Process for Evaluating Total Costs under Intermittent Demand. -- Shorter and more agile supply chains in Industry 5.0: Case studies provide insights into manufacturing management theory. -- Industry 5.0 – How to measure?. -- A proposal for a closed-loop production planning method to deal with carbon emission reduction. -- Predicting Mental Stress Induced by Interaction in Collaborative Order Picking Using Dynamic Bayesian Networks and Personality Traits of Worker. -- Efficiency Classification of Picking Methods in Warehouses Using Dynamic Programming Considering Temporary Storage and Picker Capacity Constraints. -- Maintenance and Asset Lifecycle Management for Sustainable and Human-centered Production. -- Research Avenues for Maintenance Operations in Battery Production. -- Addressing Requirements for Maintenance Performance Indicators During the Ramp-up of Battery Production. -- Lifecycle Extension of industrial assets: A framework for feasibility assessment and strategy selection. -- Extended Quality Control: Suppliers' Tooling Lifecycle Management. -- Incorporating energy efficiency in the definition of maintenance strategy: bibliometric analysis and road mapping. -- A Comprehensive Methodology for Assessing and Quantifying the Criticality of Component Obsolescence. -- Digital Twin For Building Asset Management: Challenges And Opportunities. -- Anomaly Detection in Wind Turbines Using Variational Autoencoders and Isolation Forest. -- Methods and Tools for Assessing the Value of Digital, Sustainable and Servitized Offerings of Manufacturing Companies. -- Total Cost and Total Value of Ownership in PSS: A Model for Economic and Environmental Sustainability. -- Enabling Circular Business Models and Digital Transformation for Sustainable Value Creation in European Manufacturing SMEs. -- Exploring the pairing of Circular Manufacturing data categories and Rebound Effect factors. -- Use

The six-volume set IFIP AICT 764-769 constitutes the refereed proceedings of the 44th IFIP WG 5.7 International Conference on Advances in Production Management Systems, APMS 2025, held in Kamakura, Japan, from August 31st to September 4th, 2025. The 227 full papers presented in these proceedings were carefully reviewed and selected from 247 submissions, which cover a broad array of research and technological developments on the present and future of “Cyber-Physical-HUMAN Production Systems”. They were categorized under the following topical sections: Part I: Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains; AI-Driven Decision Support and Human-AI Collaboration for Smart and Sustainable Supply Chains; Digital Twins and AI for Dynamic Scheduling and Human-Centric Applications. Part II: Smart Manufacturing Evolution: Integrating AI and the Digital Twin for Human-centric, Circular and Collaborative Production Systems; Human-centered Service Engineering and Digital Transformation for Sustainable Service Industries; Shaping Human Capital for Industry 5.0: Skills, Knowledge and Technologies for Human-centric, Resilient, and Sustainable Manufacturing; Experiential Learning in Engineering Education; Theoretical and Practical Advances in Human-centric, Resilient, and Sustainable Supply Chain Management; Maintenance and Asset Lifecycle Management for Sustainable and Human-centered Production; Methods and Tools for Assessing the Value of Digital, Sustainable and Servitized Offerings of Manufacturing Companies. Part III: Digital Transformation Approaches in Production and Management; Digital Technologies in Manufacturing and Logistics: Exploring Digital Twin, IoT, and Additive Manufacturing; Enhancing the Value Creation Mechanisms of Manufacturing Value Chains through Digital Platforms, Circular strategies, and Servitization Principles. Part IV: Enhancing Value Chain Resilience through Digital Technologies; How Supply Chain Can React to Internal and External Disruptions?; Mechanism Design for Production, Service and Supply Chain Management; Transforming Engineer-to-Order Projects, Supply Chains, and Systems; Designing Next Generation Lean Models Supporting Social, Sustainable, and Smart Production Systems. Part V: Advancing Eco-efficient and Circular Industrial Practices; Upgrade Circular Economy for the Manufacturing Industry; Cyber-Physical System-Based Approaches to Achieve Sustainability; Industrial Data Spaces and Sustainability; Enabling Circularity in Batteries & E-Waste with Digital Technologies: From Production to Recycling; Circular and Green Manufacturing; Sustainable Product Design and Engineering. Part VI: Digital Services and Smart Product-Service Systems; Innovative Approaches and Methods for Developing Industry 4.0 and Industry 5.0 Skills; Scheduling and Production Planning in Smart Manufacturing; Supply Network Planning and Optimization; Artificial Intelligence / Machine Learning in Manufacturing; Cloud and Collaborative Technologies; Simulation of Production and Supply Chains.

2. Record Nr.	UNINA9911053076503321
Titolo	Mapping Tree Species Diversity
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