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Nota di contenuto	Chapter 1. Design and Implementation of a Supplier Kanban System in the Automotive Sector: An Empirical Study -- Chapter 2. System dynamics in manufacturing processes modelling and analysis -- Chapter 3. Underwater Inspection: Design Issues and Experimental Activity with a Rover -- Chapter 4. Leveraging the ISO 23247 Framework for the Development of Digital Twins of Stacker Cranes -- Chapter 5. Digital Product Passport Implementation Based on Hyperledger Fabric Technology -- Chapter 6. Product Mix Optimization of a Footwear Company using Activity-Based Costing Information -- Chapter 7. Measurements of geometric quantities in an automatic line

for the verification of large-size rings and rims -- Chapter 8. Model-Based Agile Design Approach: Toward Innovation in Product-Service Systems -- Chapter 9. Study of the impact of the Shingo Model and the EFQM Model on Occupational Safety in Portuguese Organizations -- Chapter 10. Advancing Resilience in Manufacturing Strategy: A Systematic Literature Review and Future Research Directions -- Chapter 11. Industry 4.0 Integrated with Different Management Paradigms: A Bibliometric Analysis -- Chapter 12. Experimental Analysis of Pose Estimation Based on ArUco Markers -- Chapter 13. Analysis and Improvement of Setup Times at a Metalworking Company -- Chapter 14. Transformative Roles of Robotics in Rehabilitation and Education -- Chapter 15. Development of layout proposals for the future textile processing section of a textile company -- Chapter 16. Machine Learning algorithms for quality control problem -- Chapter 17. Integration of Environment, Social and Governance practices into project management through Automation -- Chapter 18. The Future of Entrepreneurship: Bridging the Innovation Skills Gap through Digital Learning -- Chapter 19. Inquiring Minds: The Transformative Influence of Qualitative Methods in Engineering Education -- Chapter 20. Psychological and pedagogical evaluation of the learning outcomes of engineering students in times of pandemic transformations -- etc...

Sommario/riassunto

This book reports on innovations and engineering achievements of industrial relevance, with a special emphasis on industrial engineering developments aimed at improving the quality of processes and products in the context of a sustainable economy. It gathers peer-reviewed papers presented at the 3rd International Conference "Innovation in Engineering", ICIE 2024, held on June 26-28, 2024, in Povoação, São Miguel Island, Azores, Portugal. All in all, this third volume of a three-volume set, provides engineering researchers and professionals with a timely snapshot of technologies and strategies that should help shaping different industrial sectors to improve production efficiency, industrial sustainability, and human well-being.
