1. Record Nr. UNINA9910855365403321 Autore Fera Marcello Titolo Advances in Remanufacturing: Proceedings of the VII International Workshop on Autonomous Remanufacturing / / edited by Marcello Fera, Mario Caterino, Roberto Macchiaroli, Duc Truong Pham Cham:,: Springer Nature Switzerland:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 9783031526497 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (549 pages) Collana Lecture Notes in Mechanical Engineering, , 2195-4364 Altri autori (Persone) CaterinoMario MacchiaroliRoberto PhamDuc Truong Disciplina 670 Soggetti Manufactures Robotics Virtual reality Augmented reality Operations research Management science Machines, Tools, Processes Robotic Engineering Virtual and Augmented Reality Operations Research, Management Science Operations Research and Decision Theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Development of Sustainable Remanufacturing Systems: Literature Review -- Artificial Intelligence in remanufacturing contexts: current status and future opportunities -- Robotic Disassembly Sequence Planning and Line Balancing - Research Trends Review and Bibliometric Analysis -- The Role of Simulation-Based Optimization in Remanufacturing and Reverse Logistics: A Systematic Literature Review -- Exploring Industry 5.0 for Remanufacturing of Lithium-Ion Batteries in Electric Vehicles -- Remanufacturing Decision-Making Tools: A State

of the Art.

## Sommario/riassunto

This book features the papers presented at IWAR 2023. The overall objective of the event was to bring together international scientists and engineers to bridge the academic and industrial worlds in the field of remanufacturing. Various themes related to remanufacturing, including methods for operations management, methodologies for quality assessment and life cycle assessment, the integration of robots in remanufacturing, and the use of modern I4.0 technologies in a remanufacturing context among others were addressed. This book is intended for academics, graduate students, researchers, as well as industrial practitioners engaged in the field of remanufacturing.