1. Record Nr. UNINA9910874655703321 Autore Machado Jose **Titolo** Innovations in Mechanical Engineering III / / edited by Jose Machado, Filomena Soares, Justyna Trojanowska, Erika Ottaviano, Petr Valášek, Mallikarjuna Reddy D., Eduardo André Perondi, Yevheniia Basova Cham:,: Springer Nature Switzerland:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 9783031626845 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (433 pages) Collana Lecture Notes in Mechanical Engineering, , 2195-4364 Disciplina 621 Soggetti Engineering design Automation Materials **Engineering Design** Materials Engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Chapter 1. Efficient Integration of Industry 4.0 Technologies in Mobile Industrial and Forestry Machines Fleet Management: Challenges. Opportunities, and Environmental Impacts -- Chapter 2. A concept of a

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Sommario/riassunto

This book reports on innovations and engineering achievements of industrial relevance, with a special emphasis on mechanical engineering developments applied to modeling, simulation, and design of mechanical systems, and synthesis of new materials for advanced manufacturing applications. 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 first 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.