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Titolo	Selected Proceedings from the 2nd International Conference on Intelligent Manufacturing and Robotics, ICIMR 2024, 22-23 August, Suzhou, China : Advances in Intelligent Manufacturing and Robotics / / edited by Wei Chen, Anwar PP Abdul Majeed, Andrew Huey Ping Tan, Fan Zhang, Yuyao Yan, Yang Luo, Long Huang, Chenguang Liu, Yuyi Zhu
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Disciplina	629.8
Soggetti	Automatic control Robotics Automation Artificial intelligence Production engineering Signal processing Nanotechnology Computational intelligence Control, Robotics, Automation Artificial Intelligence Process Engineering Signal, Speech and Image Processing Nanoscale Design, Synthesis and Processing Computational Intelligence
Lingua di pubblicazione	Inglese
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Nota di contenuto	Experimental Investigation on Rheological Characteristics of Aerated Fine Powders -- Reinforcement Learning Algorithm for two-leg robot with DDPG and TD3 -- Research on abrasive-workpiece interaction mechanism in 2.5D needle-punched-Cf/C-SiC composites scratching tests -- A bio-Inspired Metaheuristics Algorithm for Reduction of

Coverage Holes in Optimizing the Performance of Next Generation Wireless Network (NGWN) -- Advancing In-Situ Bioprinting through Ant Colony Optimisation: Resolving Dead Zone Challenges in Path Planning -- Autonomous Real-Time Human-Robot Emotional Interaction through Facial Recognition -- Machine Learning for Predictive Risk Analytics in Industry 4.0: A Comprehensive Random Forest Evaluation -- Enhancing Deepfake Detection: A Weighted Summation Model of CNN Approach with Local and Global Analysis -- Virtual Streamer Features: Unveiling the Influence on Online Purchase Intentions in the TikTok Era -- Green Threads and Digital Dreams: Exploring the Influence of AI-Mediated Experiences on Purchase Intentions in Sustainable Apparel Markets -- The Implications of Platform Algorithms on Platform Worker's Job Security.

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## Sommario/riassunto

This book presents proceedings from the 2nd International Conference on Intelligent Manufacturing and Robotics, ICIMR 2024 Held on 22 and 23 August in Suzhou, China. This proceedings deliberates on the key challenges, engineering and scientific discoveries, innovations, and advances on intelligent manufacturing and robotics that are non-trivial through the lens of Industry 4.0. In this book, traditional and modern solutions that are employed across the spectrum of various intelligent manufacturing and robotics contexts are presents. The readers are expected to gain an insightful view on the current trends, issues, mitigating factors as well as proposed solutions from this book.

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