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Manufacturing Processes: Materials, Applications and Challenges -- An Overview of The Untapped Potential of Soft Robotic Arms with Integration of Machining Tools -- Life Cycle Assessment of Abrasive Flow Machining Of 3D Printed Parts: A Comparative Analysis -- Modelling And Simulation of Wire DED Additive Manufacturing Process -- An Overview of The Recent Advances in Additive Manufacturing, And Its Scope for The Benefit of Research & Development In Commercial Vehicle Industries -- Design And Development of Customized Helmet for Military Personnel.

Sommario/riassunto

The book presents the select proceedings of International Conference on Production and Industrial Engineering (CPIE) 2023. It covers the current and latest research in machining and additive manufacturing. The topics covered include micro-, nano-, and non-conventional machining, additive manufacturing, casting and forming, joining processes, vibrations and acoustics, materials and processing, product design and development, industrial automation, CAD/CAM and robotics, and sustainability in manufacturing. The book is useful for researchers and professionals working in manufacturing and production engineering and other allied fields.
