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| Nota di contenuto | Evaluation of Road Blocks of Industry 4.0 Adoption in SMEs -- Automatic underground water pipeline fault detection with control in IOT -- Applying python programming to the traditional methods of job sequencing -- Stress detection and performance analysis using IOT based monitoring system -- Development of smart vehicles using visible light communication -- Mapping and visualization of constrained internal spaces using a 2-DoF robotic system -- Distributed Energy-Awareness and Coverage With Firefly Algorithm -- In Preserving the Energy Consumption for Wireless Sensor Networks -- A critical review of the usage of auxiliary drones in passenger aviation |

safety systems -- Implementation of underground cable fault detection using IOT -- Implementing IIoT in Garment Production Line: A Case study of a Full-Sleeve Shirt -- Mechanical Performance of friction stir welded AA6063 plates with variation in tool pin profile -- Recent Advances in Magnetorheological Damping Systems for Automotive Technology -- Enhancement of Turning by Low Frequency Vibration -- Design of Multi-angle Welding Fixture -- Optimal Disassembly Sequence Generation Using Tool Information Matrix.

Sommario/riassunto

This book presents the select proceedings of the 4th International Conference on Innovative Product Design and Intelligent Manufacturing System (IPDIMS 2022). It covers the latest trends in the areas of design and manufacturing. The main topics covered include Industry 4.0, smart manufacturing, advanced robotics, and CAD/CAM/CIM. The contents of this book are useful for researchers and professionals working in the disciplines of mechatronics, mechanical, manufacturing, production, and industrial engineering.
