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Nota di contenuto	Part 1: Design for Aesthetics, Ergonomics and Sustainability -- Chapter 1. Strategies of Affective Instructional Design for Elderly -- Chapter 2. Design of an awareness model to develop proper sanitary habit among the rural people of Jharkhand -- Chapter 3. Design and Evaluation of Speed Forms for Design of an Amphibious Vehicle -- Chapter 4. Design and Analysis with Optimization of Car Radiators using Nanofluids -- Chapter 5. Design & Cost Analysis of Mini Tiller-cum-Basin-Maker for Coconut Trees -- Chapter 6. Computer-Aided Ergonomic Analysis for Rubber Tapping Workers -- Chapter 7. Participatory Approach for Ergonomics Intervention: A Review -- Chapter 8. Creating products from textile waste generated during fabric cutting stage in the garment production process -- Chapter 9. Forced Draft and Superheated Steam for Design and Development of Community Smoke Less Chulha to Help Women in Rural Areas -- Chapter 10. Lightweight Materials for Engine Cylinder Blocks/Liners –A Critical Review -- Chapter 11. Selection of Suppliers by Weighted Aggregated Sum Product Assessment (WASPAS) Method -- Chapter 12. Design of an Impact Attenuator for a Formula Type Race Car -- Chapter 13. Design Optimization and Static Force Analysis Of L-Type Rotary Tiller Blade -- Chapter 14. Influence of vegetable oil based lubricants with Nano particles on surface roughness of AISI 1020 and AA 2024 alloy -- Chapter 15. Experimental

investigation, parametric optimization and cost analysis in EDM of Aluminium-Silicon Carbide metal matrix composite.

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Sommario/riassunto

This book comprises select papers presented at the Conference on Innovative Product Design and Intelligent Manufacturing System (IPDIMS 2020). The book discusses the latest methods and advanced tools from different areas of design and manufacturing technology. The main topics covered include design methodologies, industry 4.0, smart manufacturing, and advances in robotics among others. The contents of this book are useful for academics as well as professionals working in the areas of industrial design, mechatronics, robotics, and automation. .

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