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Altri autori (Persone)	KumarSantosh KarthikG. M SharmaP
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Nota di contenuto	Chapter 1: Investigation on Kinematics in Additive Manufacturing -- Chapter 2: Energy absorption characteristics and Compressive mechanical properties of the Hybrid lattice structure -- Chapter 3: Fabrication of Multi-Material Laminate Structure Using Laser Powder-Bed Fusion In A Laboratory Scale Developed Setup -- Chapter 4: Design and Development of a hybrid strut-based lattice structure -- Chapter 5: Design and Optimization of a Heat Sink for Multi-Material Co-Extrusion in Additive Manufacturing -- Chapter 6: Development of Novel Ti64-Fe-Co-based -Titanium Alloy with Improved Strength and Elongation Properties Using Laser Processing Route -- Chapter 7: Role of Laser Fluence on the Characteristics of AlSi10Mg Track Deposited through DED-L-based Additive Manufacturing Technique -- Chapter 8: Electroformed Copper Pillar structures on Additively Manufactured Template: Modeling and Validation -- Chapter 9: Investigating

	Stringing Defects in 3D Printed PLA Parts: Defect Identification and Optimization using MobileNetV2 CNN Model -- Chapter 10: Deformation behaviour and elastic energy absorption capability of additively manufactured strut-based and Voronoi lattice structures on FDM -- etc.
Sommario/riassunto	This book presents a part of selected proceedings of the 9th International and 30th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2023). It discusses the latest advances in hybrid manufacturing process and technology, composites fabrication, non-traditional and advanced machining processes, energy beam processing, high performance cutting tools, micro and nano machining of glasses and ceramics, concurrent and reverse engineering, modeling of machining processes, intelligent machining, and super finishing technologies, among other areas. The contents of this book are useful for researchers and professionals in the various fields of mechanical engineering.

2.

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