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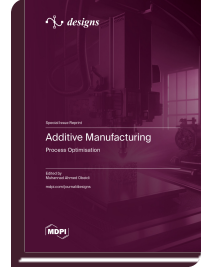
Additive Manufacturing – Process Optimisation

www.mdpi.com/books/reprint/9206

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ISBN 978-3-7258-1031-4 (Hardback)

ISBN 978-3-7258-1032-1 (PDF)



Additive Manufacturing (AM), often known as 3D printing, is a vast discipline with a wide range of applications and approaches, all of which provide unique contributions to the development of this rapidly evolving field. This Special Issue, a carefully chosen selection of twelve articles, provides an in-depth examination of AM, highlighting its numerous applications in a variety of industries. The compilation offers a scholarly conversation that examines the complex subtleties and technological developments in AM. It explores the fundamentals of design, material innovation, and process optimization, highlighting the influence and versatility of the area. The papers showcase the depth and breadth of additive manufacturing (AM), ranging from industry applications in aerospace and medical domains to research-focused endeavours in material discovery and prototyping. They were chosen based on their contribution to the body of knowledge. The group highlights AM's importance in the present and future technology environments by showcasing its current status as well as offering insights into its changing tendencies. When taken as a whole, these articles offer a comprehensive understanding of AM, highlighting its adaptability, versatility, and potential to revolutionize a range of industries. The combination of additive manufacturing (AM) with cutting-edge technologies like machine learning and bio-inspired design holds the potential to open up new possibilities in both manufacturing and design.



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