



designs

CITESCORE
4.8

Special Issue Reprint

Design Process for Additive Manufacturing

www.mdpi.com/books/reprint/11582

Edited by
Paweł Turek

ISBN 978-3-7258-5287-1 (Hardback)

ISBN 978-3-7258-5288-8 (PDF)



This Reprint presents eleven contributions related to the design process for Additive Manufacturing (AM), gathered during the 2024–2025 period from experts in engineering and science from Germany, the USA, Hungary, Italy, China, Indonesia, Poland, and Ireland. It includes four articles that focus on traditional CAD modeling, four that explore Reverse Engineering (RE) design, and two that analyze the optimization processes involved in 3D printer construction and the materials used. Additionally, this Reprint contains a review that provides information about 4D printing. The articles presented here discuss essential aspects of AM. They emphasize that the AM process, which involves layer-by-layer material deposition, requires careful optimization during both the design and manufacturing stages to achieve the desired properties in the final model, such as strength, accuracy, and surface quality.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/11582

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.