

1. Record Nr.	UNISALENTO991001550589707536
Titolo	Social theory of modern societies : Anthony Giddens and his critics / edited by David Held and John B. Thompson
Pubbl/distr/stampa	Cambridge [England] ; New York, NY, USA : Cambridge University Press, 1994
ISBN	9780521278553
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Altri autori (Persone)	Held, David Thompson, John B
Disciplina	301.01
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Lingua di pubblicazione	Inglese
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Titolo	Proceedings of the Munich Symposium on Lightweight Design 2023 // edited by Felix Endress, Jasper Rieser, Alexander Horoschenkoff, Philipp Höfer, Tobias Dickhut, Markus Zimmermann
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031646690 9783031646683
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Lingua di pubblicazione	Inglese
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Nota di contenuto	-- 1: Production of Hybrid Lightweight Structures Through Al-Al Compound Casting with Additively Manufactured Lost Sand Moulds. -- 2: Studies Concerning the Fiber Orientation in Thin Walled, Injection-Molded PP Plaques. -- 3: A new concept of collector-ply layer and multilayer design for lightweight CFRP liquid hydrogen tanks. -- 4: Identifying Optimization Potential of a Centrifugal Pump. -- 5: Effect of water absorption on the clamp load of plastic nuts. -- 6: Simulation based determination of the mechanical properties of fiber-matrix composite materials taking production-related scattering into account. -- 7: Influence of manufacturing dependent mechanical properties on the optimization of ribbed LFT structures. -- 8: Braiding of Wooden Veneer Strips – Correlation of Process Parameters and Laminate Properties. -- 9: Design optimization of aircraft cabin panels by additive manufacturing. -- 10: Metal Foam in Lightweight Heat-Exchangers: Innovation and Recycling Imperatives. -- 11: Prediction of

the Bending Collapse of Thin-walled Rectangular Tubes. -- 12: Hybridization of reinforcing nonwoven structures made. -- 13: A Method for the Selective Reinforcement. -- 14: Analytical and Numerical Modeling of Aramid Honeycomb Cores.

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## Sommario/riassunto

This book includes topics like composite structures, SHM, microstructures, material modelling, design for additive manufacturing, numerical optimization and in particular topology optimization in aerospace, automotive, and other industries. Every year, the Technical University of Munich, the Universität der Bundeswehr München, and the University of Applied Sciences in Munich invite researchers and practitioners to join the Munich Symposium on Lightweight Design. Experts from industry and academia discuss design tools, applications, and new developments. The talks are summarized in short articles and presented in this volume.

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