1. Record Nr. UNINA990001321330403321

Autore	Benthem, Johan van
Titolo	Language in action : categories, lambdas and dynamic logic / Johan Van Benthem
Pubbl/distr/stampa	Amsterdam [etc.] : North-Holland, 1991
ISBN	0-444-89000-9
Descrizione fisica	x, 349 p. ; 24 cm
Collana	Studies in logic and the foundations of mathematics ; 130
Disciplina	511.3
Locazione	MA1
Collocazione	C-30-(130
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

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Autore	Abdullah Agha Dunia
Titolo	3D Paper Printing for the Built Environment : Optimization of the Material Behavior & Production Process to Reach Quality Integration and Dimensional Accuracy / / by Dunia Abdullah Agha
Pubbl/distr/stampa	Wiesbaden : , : Springer Fachmedien Wiesbaden : , : Imprint : Springer Vieweg, , 2024
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Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (341 pages)
Collana	Mechanik, Werkstoffe und Konstruktion im Bauwesen, , 2512-3246 ; ; 73
Disciplina	691
Soggetti	Building materials Buildings - Design and construction Buildings - Environmental engineering Building Materials Building Construction and Design Building Physics, HVAC
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- State of the Art -- Printing Configuration & Performance -- Assessment of print quality -- Material & Mechanical Characteristics -- 3D Models as Cases Study -- Conclusion and Recommendation.
Sommario/riassunto	This book presents the manufacture and development of products from a novel material formulation as a bio-based paper material using 3D printing for engineering purposes. The approach is to optimize the material behavior and the manufacturing process to achieve a high level of quality and accuracy. A wide range of formulations are investigated to select homogeneous pastes with high 3D printing potential for best outcomes. This is accomplished through customization and optimization under the control of rheological behavior and printing parameters. Mechanical characterization is investigated to identify the adhesion and other properties of the paste

formulation. Potential applications for the built environment in façade construction are presented, which match the material properties and benefit the most from the complexity offered by additive manufacturing technology. The content State of Art Printing Configuration and Performance Quality & Accuracy Assessment Material & Mechanical Behavior 3D Models as a Case Study The author Dunia Abdullah Agha holds a degree in Civil Engineering/specialization in Structural Engineering from the University of Babylon, Iraq. From 2009-2018, she worked as a projects engineer in the Governorate Office of Babylon, Iraq. From 2018-2023, she worked as a research assistant and lecturer at the Institute of Structural Analysis and Design at the Technical University of Darmstadt, Germany, with a grant from the German Academic Exchange Service (DAAD). Since 2024, she works as a projects engineer/structural designer at Krebs und Kiefer Ingenieure GmbH/Darmstadt.