

ARC Training Centre for Next-Gen Architectural Manufacturing_
Talk Series 05_Moritz Mungenast

3D PRINTED FUTURE FACADE - From Research to Application

Prof. Dr. Moritz Mungenast

FULL PROFESSOR FOR ARCHITECTURAL DESIGN, IU INTERNATIONALE
HOCHSCHULE

19th March 2024
12:30-2:00pm AEDT

Why should we print building envelopes? What are the potentials of Additive Manufacturing in architecture to resolve our pressing challenges in the construction sector to reduce the CO2 footprint and to establish the circular use on building materials? How can we use AM in a way that we create more value in comparison to other production methods? How can we design smart geometries to fulfil the different functions of building envelopes by using the full potential of 3D printing? What does it mean for the architectural design aesthetics?

These research questions are the focus in this lecture and will be illustrated based on the research project '3D Printed Future Facade' and the first applications by Moritz Mungenast.

The Gallery
Anita B Lawrence
Centre, School of Built
Environment, UNSW

