FH MÜNSTER
University of Applied Sciences

MSA FB Architektur
Münster School of Architecture

Midjourney / Augmented Construction, SoSe2022

Master

Summer 23

ma.wm.2 Elective Module

course

Dominik Nüssen MA, Martin Schulte MA

lecturer

from Artificial Intelligence to Augmented Fabrication

title

Artificial Intelligence has become widely available through image generation tools like Midjourney and Dall-E. These tools can produce complex, intriguing and otherworldly architectural visualizations, which are flooding social media channels nowadays.
Besides the visual hype, the question arises how this technology can be used beyond a purely aesthetical context. Can we actually use AI to design three dimensional spaces? And how can an AI-generated designs be built?
After a first exploration phase we will choose one design and prepare it for on-site augmented-reality-supported production. The planning- and building process will be framed by a to be defined set of re-used materials.
In a final workshop of several days the structure will be fabricated and assembled by the students to continue the series of 1:1 prototypes at the MSA campus.

topic

Dall-E - https://openai.com/blog/dall-e-now-available-in-beta
Midjourney - https://www.midjourney.com/home/
ChatGPT - https://openai.com/blog/chatgpt
Twinbuild - https://twinbuild.com/
HdM DT - https://www.herzogdemeuron.com/topics/design-technologies/

recommended reading