

ROBOTS in ARCHITECTURE

Digital Innovations in Architecture,
Engineering and Construction

Pierpaolo Ruttico *Editor*

Coding Architecture

Designing Toolkits, Workflows, Industry

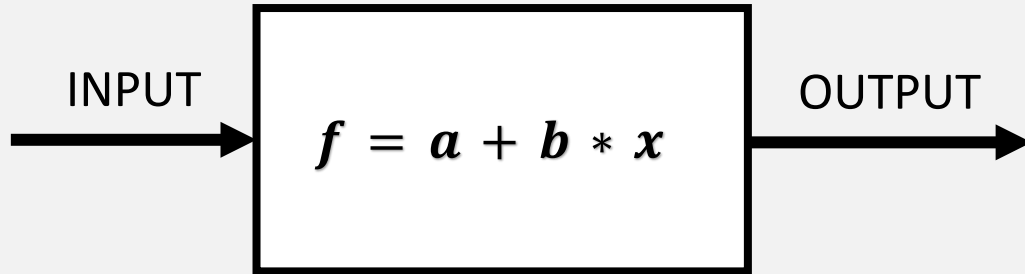
 Springer

2008

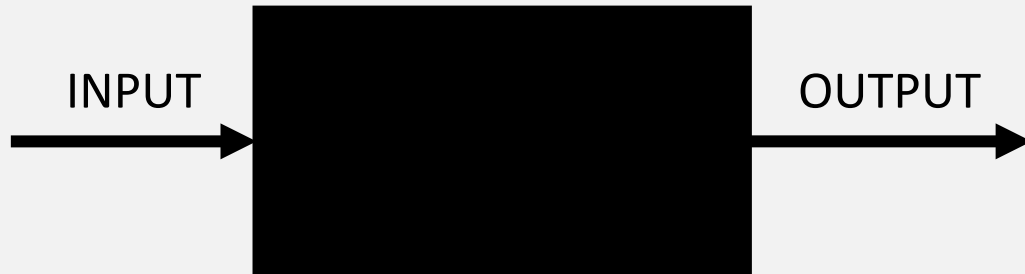
Algorithmic Aided Design

2022

AI-driven Design



WHITE - BOX

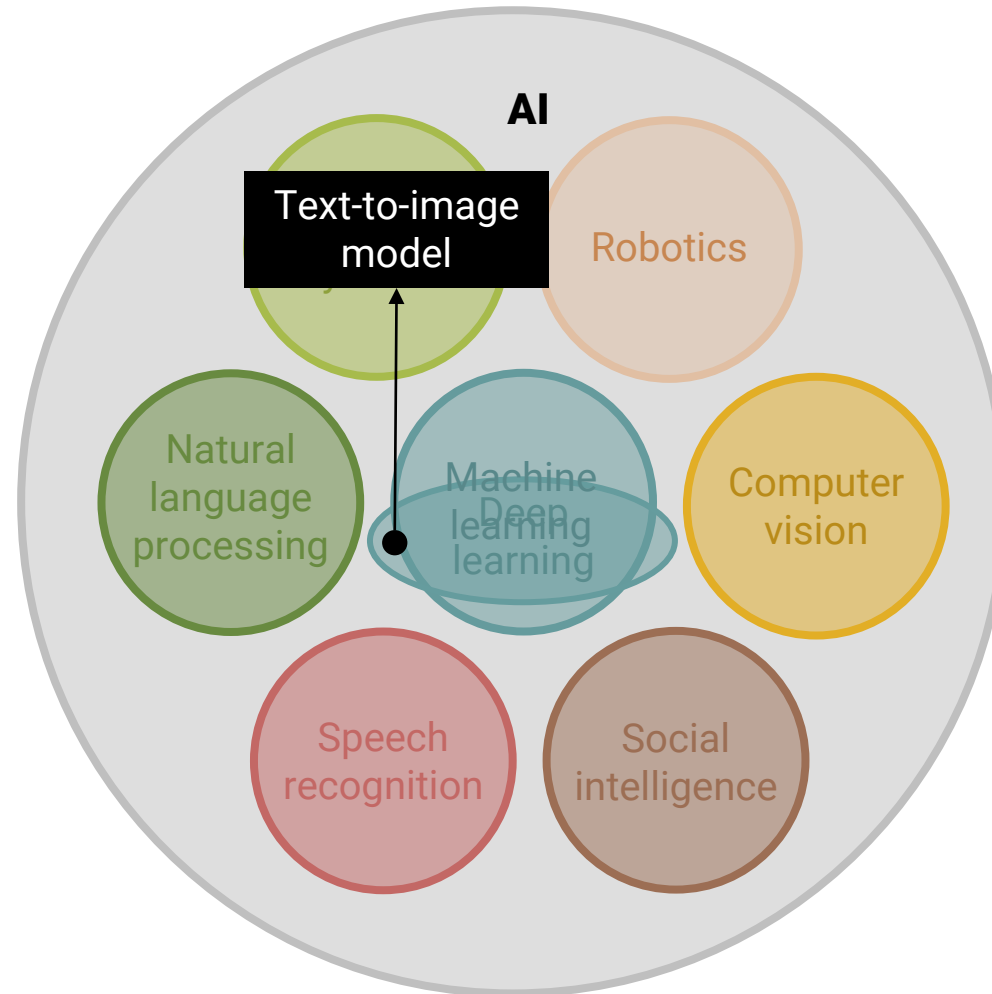


BLACK - BOX



AI IMAGE GENERATION

Text-to-image models



AI IMAGE GENERATION

Text-to-image models

Initial state



Final state



Diffusion
models

Pure noise

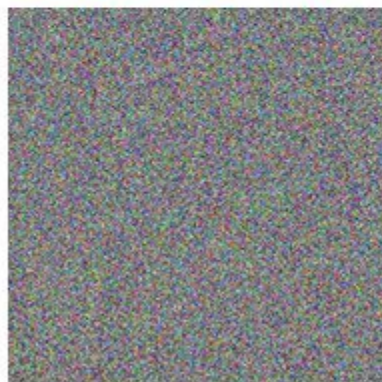


Image generation



Text prompt

Fuji Mountain

No-code programming

PROMPTED CONSTRUCTION

C:\Users\pierp\Videos\AI-FANUC\IMAGES

PROMPT

Fuji mountain

pixel art illustration

grayscale

512

GO!

Button

 **Button**

Click here to toggle the Button state

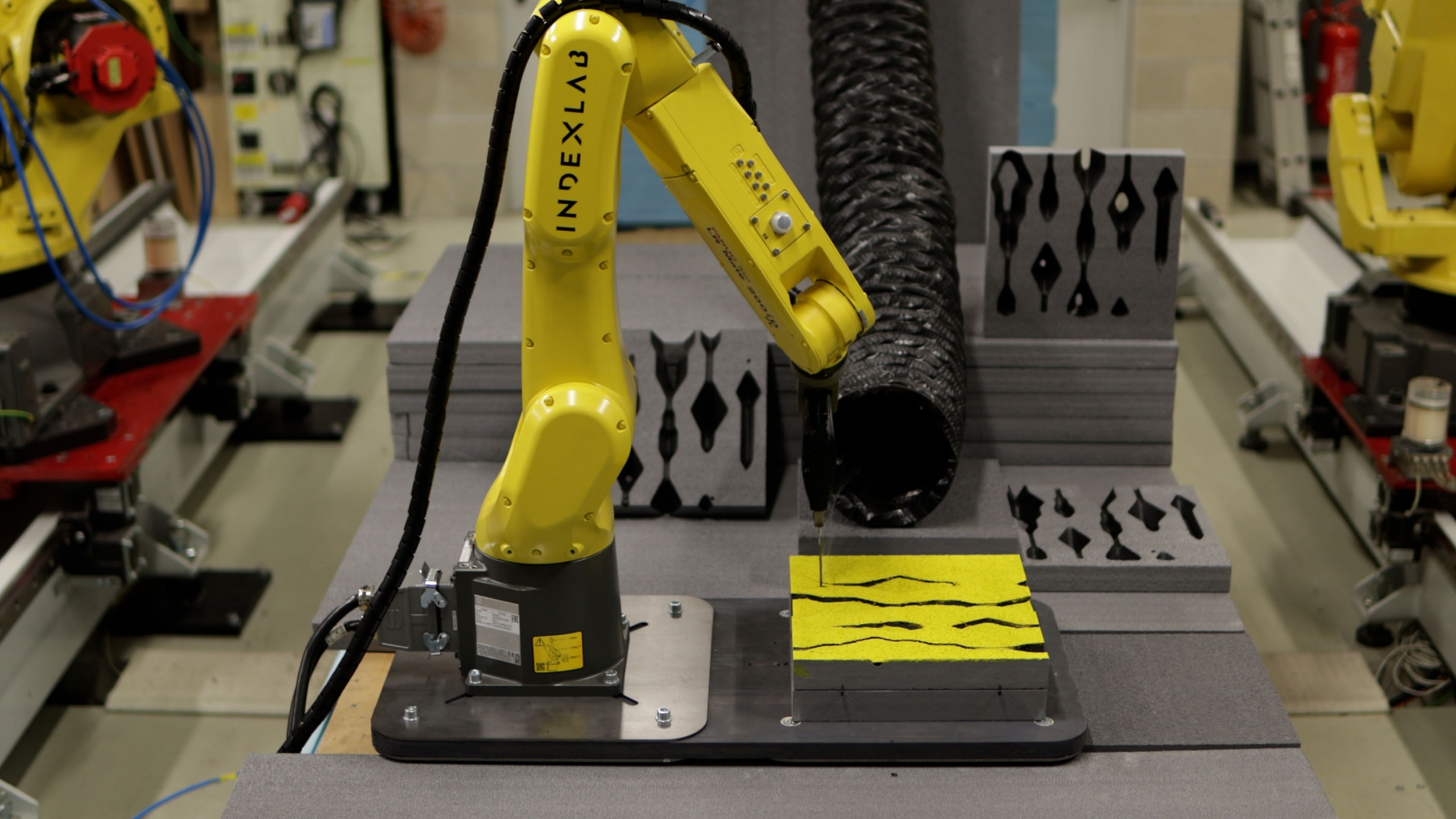
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Pressed: True

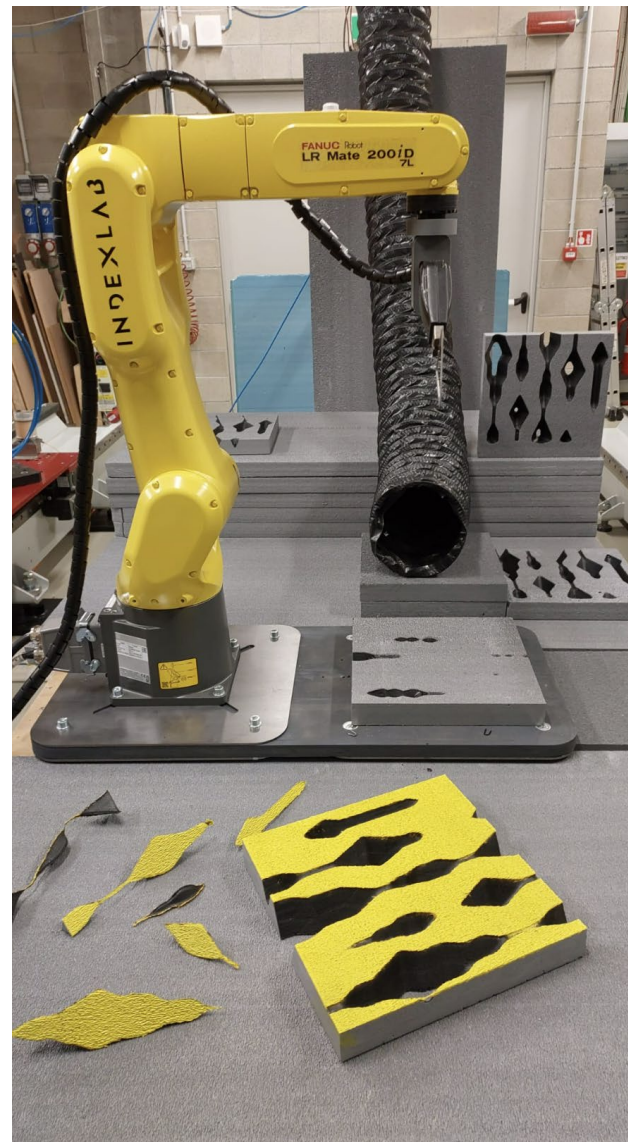
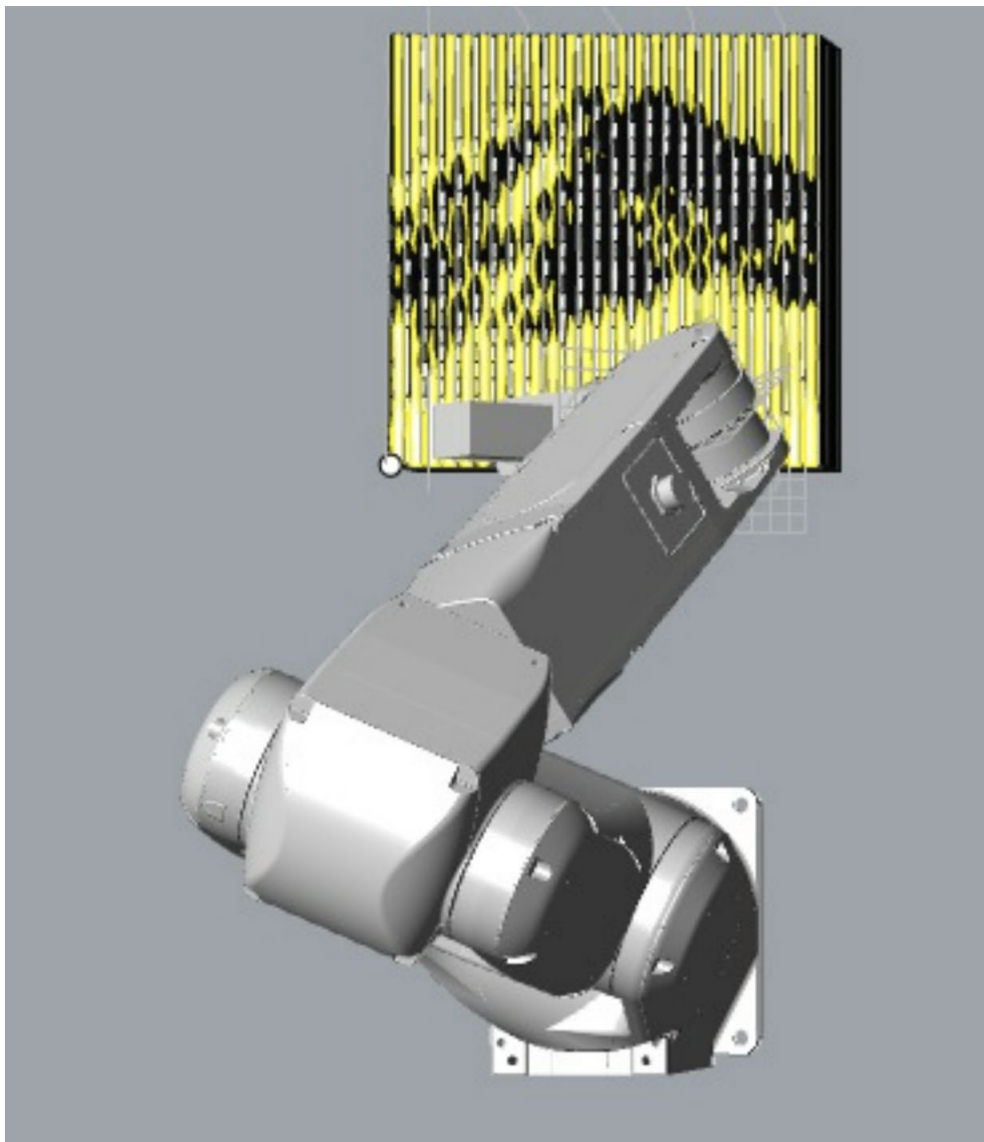


Fuji mountain pixel art illustration grayscale

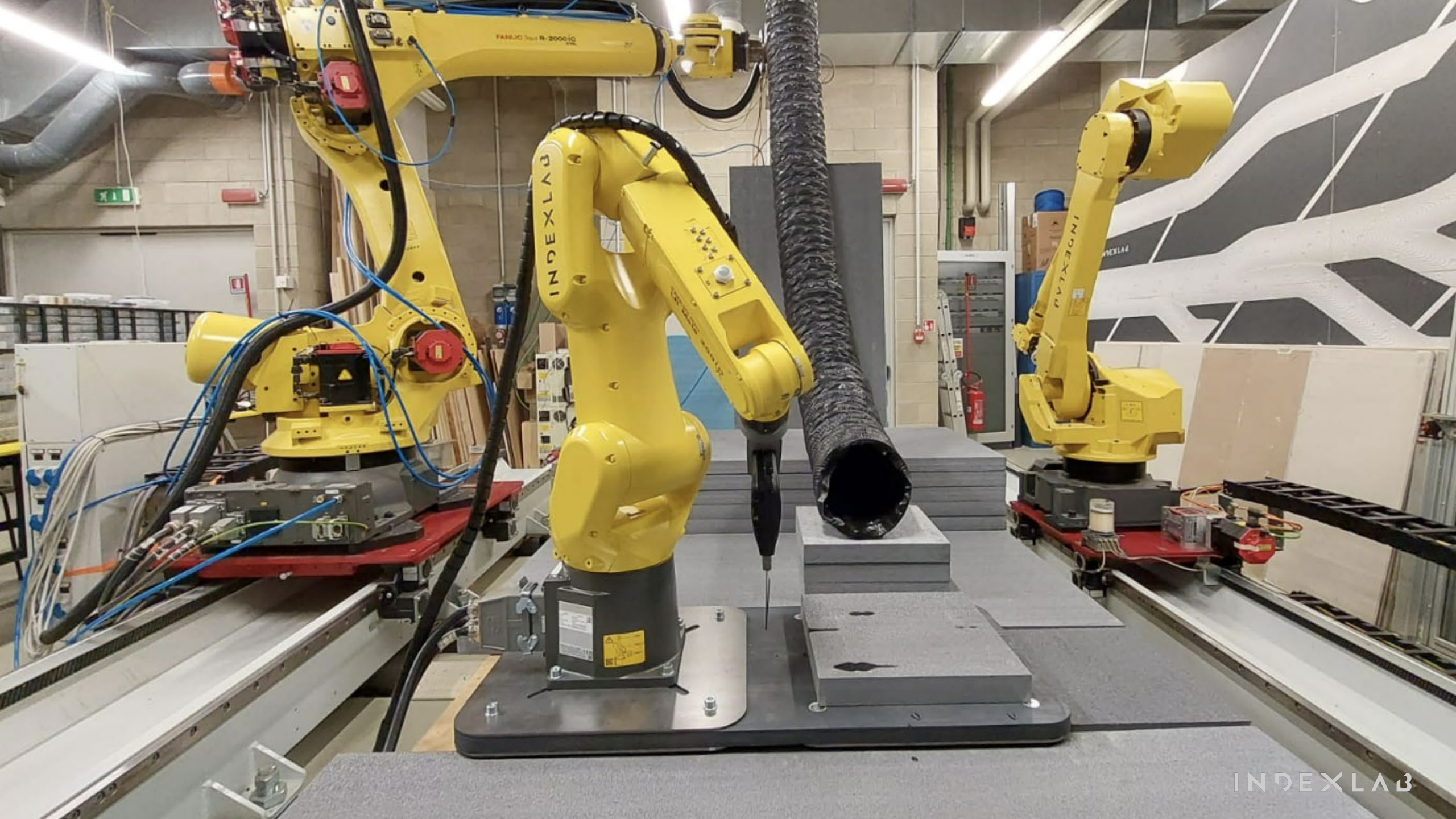
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PROMPTED CONSTRUCTION

14-16 Febbraio 2024

Fanuc + Indexlab @ Automation & Testing (Torino)



<https://www.aetevent.com/>

INDEXLAB

PROMPTED CONSTRUCTION

20-21 Marzo 2024

Indexlab @ AI in AEC (Helsinki, Finland)



<https://www.ril.fi/media/2024/ai-in-aec-2024/ai-in-aec-2024-program.pdf>

INDEXLAB

PROMPTED CONSTRUCTION

PRESS: [indexlab.it/240118](https://www.indexlab.it/240118)

**Questa presentazione e altre informazioni saranno caricate su questa pagina
(<https://www.indexlab.it/240118>) entro le ore 24 di oggi 18 gennaio 2024.**

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