The two day symposium Robots that Build. The Extensions of Man. examines robotic fabrication within the framework of craft, craft-anchored techniques and multi-material systems. Under the paradigm of process efficiency and optimisation, robotic fabrication is extensively employed to primarily diminish manual labour and minimise margins of error or waste. Yet, robotic use can be also viewed as a means to translate, adapt and advance craft-anchored manufacturing techniques.

Nearly 25 years after the publishing of McCullough's "Abstracting Craft. The Practiced Digital Hand.", the symposium is set out to test the current state and correlation between robotic fabrication and what is conventionally understood as craft.

The event brings together experts from leading research institutes and architecture schools in the fields of architecture, robotic fabrication. computational design and innovative material systems. Themes to be discussed are the robotic translation of craft-anchored techniques, the relationship between tool, material, designer, and control of robotic processes.

The talks explore the past, present and future of robots and robotic fabrication in architecture through the lens of multi-materiality, the design of process and hybridised practices. The relationship between low-tech and high-tech in construction and the intelligence of systems - analogue vs digital — are key aspects we interrogate.

Innovative practices, current and future challenges of robotic fabrication, experimental material use and circular strategies are addressed and examined.





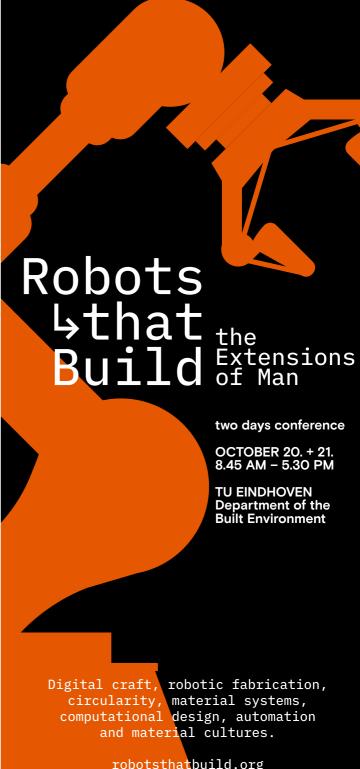
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DAY 1, 20.10.2022	<b>հ</b> Corona Zaal, LUNA	DAY 2, 21.10.2022	→ De Zwarte Doos Filmzaal, VERTIGO
08:45 - 09:00	Registration & Coffee	08:45 - 09:00	Registration & Coffee
Welcome Talk 09:00 - 09:05	Department of the Built Environment	Welcome Talk 09:00 - 09:05	Department of the Built Environment
Welcome Talk 09:05 - 09:15	Cristina Nan & Sergio M. Figueiredo	Welcome Talk 09:05 - 09:15	Cristina Nan & Sergio M. Figueiredo
Talk 1 09:15 - 10:00	Martin Tamke ROYAL DANISH ACADEMY	Talk 1 09:15 - 10:00	Martyn Dade-Robertson NEWCASTLE UNIVERSITY
Talk 2 10:00 - 10:45	Roberto Naboni SOUTHERN DENMARK UNIVERSITY	Talk 2 10:00 - 10:45	Moritz Dörstelmann KARLSRUHE INSTITUTE OF TECHNOLOGY
10:45 - 11:00	Comfort Break	10:45 - 11:00	Comfort Break
Talk 3 11:00 - 11:45	Felix Amtsberg UNIVERSITY STUTTGART	Talk 3 11:00 - 11:45	Lidia Ratoi HONG KONG UNIVERSITY
Talk 4 11:45 - 12:30	Oliver Tessmann TU DARMSTADT	Talk 4 11:45 - 12:30	Alex Dubor  IAAC CATALONIA
12:30 - 13:30	Lunch Break	12:30 - 13:30	Lunch Break
Talk 5 13:30 - 14:15	Remo Pedreschi UNIVERSITY OF EDINBURGH		<b>հ Trappenzaal, VERTIGO</b>
Talk 6 14:15 - 15:00	Fabio Gramazio ETH ZURICH (online)	Talk 5 13:30 - 14:15	Niccolo Casas NICCOLO CASAS ARCHITECTURE
15:00 - 15:15	Comfort Break	Talk 6	Manuel Jimenez
Talk 7 15:15 - 16:00	Cristina Nan TU EINDHOVEN	14:15 - 15:00	BARTLETT SCHOOL OF ARCHITECTURE
16:00 - 16:45	Panel Discussion Q&A	15:00 - 15:15	Comfort Break
	♭ Plaza, VERTIGO	Talk 7 15:15 - 16:00	Mariana Popescu
Exhibition OP. 17:00 - 17:30	Cristina Nan & Sergio M. Figueiredo	16:00 - 16:45	Panel Discussion Q&A
open ended	Drinks & Dinner	16:45 - 17:00	Closing