USI Mendrisio, Switzerland 5-7 November

## **Programme**

Workshops

Tuesday, 05.11.24

10:30 - 17:30

Workshop 1
Turconi 1

Future Earth\* Sacha Cutajar, USI

\*This workshop spans over two days and starts on Monday, November 4

FMAA Lab Em

Ema Krakovska, TU Munich

Joschua Gosslar, TU Braunschweig

Workshop 2

Blumer Lab

From Waste to Resource

Beril Onalan, Eleftherios Triantafyllidis & Ioanna Mitropoulou, ETH Zurich

Workshop 3 Villa Argentina 0 V0.03 (Sala Riunioni) Preserving Knowledge & Data in Digital Fabrication Adrian Pöllinger, Laurence Crouzet & Li Cheng, ETH Zurich

Workshop 4
Canavee +3

FMAA Lab

Galleria

V 1.07

Architecture and Al

Pierre Chèvremont, Lidor Gilad, Stefano Hu & Andrea Suardi, Itten+Brechbühl AG

Workshop 5

**Augmented Carpentry** 

Andrea Settimi, EPFL

Workshop 6
Villa Argentina +1

Learning from "Failure"

Kim Nørgaard Helmerson, ETH Zurich Anastasia Bedova, USI Startup Centre

Workshop 7
Turconi 1
TAM Teatro

Scaling New Materials for Net Zero

Sacha Čisar, Radicant AG Nabila Pranoto, Holcim Group Thibault Demoulin, Oxara AG

Chrissie Muhr, Experimental Foundation

Kika Brockstedt, revalu Götz Hilber, Rematter Earth

Workshop 8
Canavee 0

Galleria

Collaborative Structure

Yves Ebnöther, Konrad Graser, David Jenny & Edurne Morales, ZHAW

Workshop 9 Canavee 0 Atelier Mateus Undo: Human-Robot Reconfiguring Timber

Eleni Skevaki, Marirena Kladeftira, Ziqi Wang, Jingwen Wang, Sihui Wu & Stefana Parascho, EPFL

17:30 Welcome Reception





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# **Programme**

Symposium Day 1		Wednesday, 06.11.24
09:00 - 09:30	Introduction to Future of Constructio Ena Lloret-Fritschi, USI & Silke Lange	
09:30 - 09:45	Welcome Luisa Lambertini, Rector USI Walter Angonese, Dean, Accademia di a	architettura USI
Session 1	Activating Building Cultures	
09:45 - 10:30	Keynote Stuart Smith ARUP / Holcim Foundation for Sustainable	Living in a Material World e Construction
10:30 - 11:00	Talks Jacqueline Pauli, ZPF Ingenieure / ETH 2 Matthias Brenner, ETH Zurich	Zurich The Future of Structures High-Tech Heritage: WAAM for Façade Repair
11:00 - 11:30	Coffee Break	
11:30 - 12:00	Industry Insights BETONSUISSE, Patrick Suppiger RE-WIN, Martina Bischof Quadra Ligna, Jochen Ganz	Concrete Award 2025: Tradition & Future Reuse, Resilience and Reconstruction Robots in Preservation
12:00 - 12:45	Panel Discussion moderated by Konrad Graser, ZHAW & Valens Frang	ez, Halter
13:00 - 14:45	Lunch Break and Poster Session	
Session 2	Digitizing Processes	
14:45 – 15:15	Talks Ana Anton, ETH Zurich Robert Flatt, ETH Zurich	Tor Alva: Bridging Tradition and Innovation Sustainability of (Digital) Concrete
15:15 - 15:45	Industry Insights European Cultural Centre, Hadi El Hage Foldcast, Fabio Amicarelli &	Venice: Platform for Novelty in Construction
	Müller-Steinag, Cédric Domon LAYERED, Eliott Sounigo	Foldcast SlabX: from Research to Industry LAYERED: Spray-based mobile plaster printing
15:45 - 16:30	Panel Discussion moderated by Birgitta Schock, SIA & David Jenny, ZI	HAW
16:30 – 17:15	Keynote Mario Carpo UCL Bartlett  Al Tecto	onics, or the culture wars of building technology
17:30 – 18:00	Closing Day 1   Poster Awards Ena Lloret-Fritschi, USI & Silke Langenberg, ETH Zurich Handover to NCCR DFAB and Design++ for Future of Construction 2026	
18:00	Opening Party	

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# **Programme**

# Symposium Day 2

Thursday, 07.11.24

09:30 - 09:45	Welcome Selen Ercan Jenny, USI & Orkun Kasap, ETH Zurich	
Session 3	Defining Materials	
09:45 - 10:30	<b>Keynote Roger Boltshauser</b> Boltshauser Architekten / ETH Zurich  Material Based	
10:30 - 11:15	Talks Tsz Yan Ng, University of Michigan Viviana Pozzoli, Equipo de Arquitectura Fabio Gramazio, ETH Zurich  Hygroscopic Envelope-Building Enclosures Down to Earth Malleable Bricks	
11:15 - 11:45	Coffee Break	
11:45 - 12:15	Industry Insights T2CM, Claudia Eugenin Soto Design ++, Anton Savov Zukunft Bauen, Birgitta Schock  Circular Economy: Tailings as Construction Material What is Design++ Forum Future of Construction	
12:15 - 13:00	Panel Discussion moderated by Kathrin Dörfler, TU Munich & Bernd Bickel, ETH Zurich	
13:00 - 14:45	Lunch Break	
Session 4	Changing Traditions	
14:45 – 15:15	Talks Maik Ilmer & Felix Thies, Ilmer Thies Quintus Miller, Miller & Maranta / USI  As found is a small affair: it's about being careful	
15:15 – 15:45	Industry Insights Holcim, Clemens Woegerbauer Scandens, Kuba Szczesniak irmos, Yves Reuland  Turning in Circles - and loving it! Digital Transformation in Renovation Planning Data in the Debris: Insights to Preserve Buildings	
15:45 - 16:30	Panel Discussion moderated by  Muck Petzet, Muck Petzet Architekten / USI & Ludovica Molo, Studio we / BSA	
16:30 - 17:15	<b>Keynote Annette Gigon</b> open end Gigon Guyer Architekten	
17:30 – 18:00	Closing Day 2 Ena Lloret-Fritschi, USI & Silke Langenberg, ETH Zurich	
18:00	Closing Apéro	

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### **Workshop Sponsors**







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