

HOW DO NEW **FABRICATION** AND **MATERIAL** TECHNOLOGIES AFFECT OUR **DESIGN** METHODOLOGIES ?

fehr 10t

FAST FORM/WORK Casting a Sustainable Future

fehr 10t

In collaboration with faculty and students from the Digital Buiding Technologies Department at ETH Zurich, this workshop will be a hands-on investigation into the future of sustainable building technology. We will be exploring a brand-new building material, recently developed by the Complex Materials group of the ETH, an aerrated foam made of a waste product that would otherwise end up in landfills.

fehr 101

Students will be assessing the properties of this new material and exploring its potential. We will be casting large-scale elements to assemble into a full-scale architectural space. Together with the DBT at the ETH, we will explore various experimental large-scale casting methodologies and geometric concepts in tiling.

fehr 101

FAST FORM/WORK

With guidance from faculty in Zurich, 4 separate groups comprised of students from both **ETH and GSAPP** will explore **fabrication of a large-scale element** using one of the following **experimental techniques:**

FAST FORM/WORK

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METHODS:

1) Direct deposition of foam via 3D printing robotic arm

2) CNC cut composite recyclable folded formwork

3) Large U.V. 3D printed rapid prototype negative/positive forms

4) Integrated 3D printed aerated structural skin

Lead Faculty

Nina Baier-Bischofberger

Nina Baier-Bischofberger graduated from Columbia GSAPP in 2000. In 2005, she founded a practice in Zurich with her husband, Florian.

Their practice explores the complex intersection between fabrication and design methodologies, in the creation of built work.





Trevor Watson

Trevor founded PLAY TEST MAKE in 2007, an experimental research, design, and fabrication studio, now based in Stockholm, Sweden.

He developed and taught 'Transitional Geometries' at Columbia GSAPP from 2016-2018.







Partner Faculty

Prof. Benjamin Dillenburger, Digital BuildingTechnologies (DBT)

ABB

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Prof. André Studart, Complex Materials, ETH Zurich





APPLY & JOIN US!

Zürich, Switzerland June 30 - July 20 2019

