

# OFFICIAL SIDE EVENT

9 > 12  
JUNE  
2022

OF THE

# THE FESTIVAL

of the New European Bauhaus



QR CODE FOR:  
NEB POLIMI



QR CODE FOR:  
FREE REGISTRATION



Photo credit: Nurshat Atawla & Carlotta Mazzola

The initiative aims to promote the experimental activities of PhD candidates, post-doc and researchers from the Lab Unit TAN - Textile Architecture Network at Politecnico di Milano, ABC Dept. together with the international network Tensinet's design and engineering societies, SMEs, Research institutes.

The event, consisting of citizens' engaging research workshop and disseminating videos, aims to enhance the state of the art and the most recent advancements of the membrane architecture. The consolidation of public engagement through the initiative is envisaged for strengthening both the DABC academic visibility, the enhancement of research activities through the activation of networks. The proposed research topics are innovative with respect to the state-of-the-art of membrane architecture and lightweight constructions. Tasks are organized through multidisciplinary sessions:

1. Design Optimization and Structure Efficiency,
2. Sustainability (Re-Up),
3. Clean Energy,
4. Water Management.

**Day 1:** 9th of June 2022, from 18:00 until 20:00

**Day 2:** 10th of June 2022, from 18:00 until 20:00

Organizer



**POLITECNICO  
MILANO 1863**



Politecnico di Milano - Textiles Hub - DABC Textile Architecture Network

Program

## Workshops

**WORKSHOP A:** Form Finding of Minimal Surfaces - MINIMAL NATURAL SOAP FILMS

**WORKSHOP B:** Programmable textiles for 3D printing - BIOMIMETIC TEXTILE SHAPES

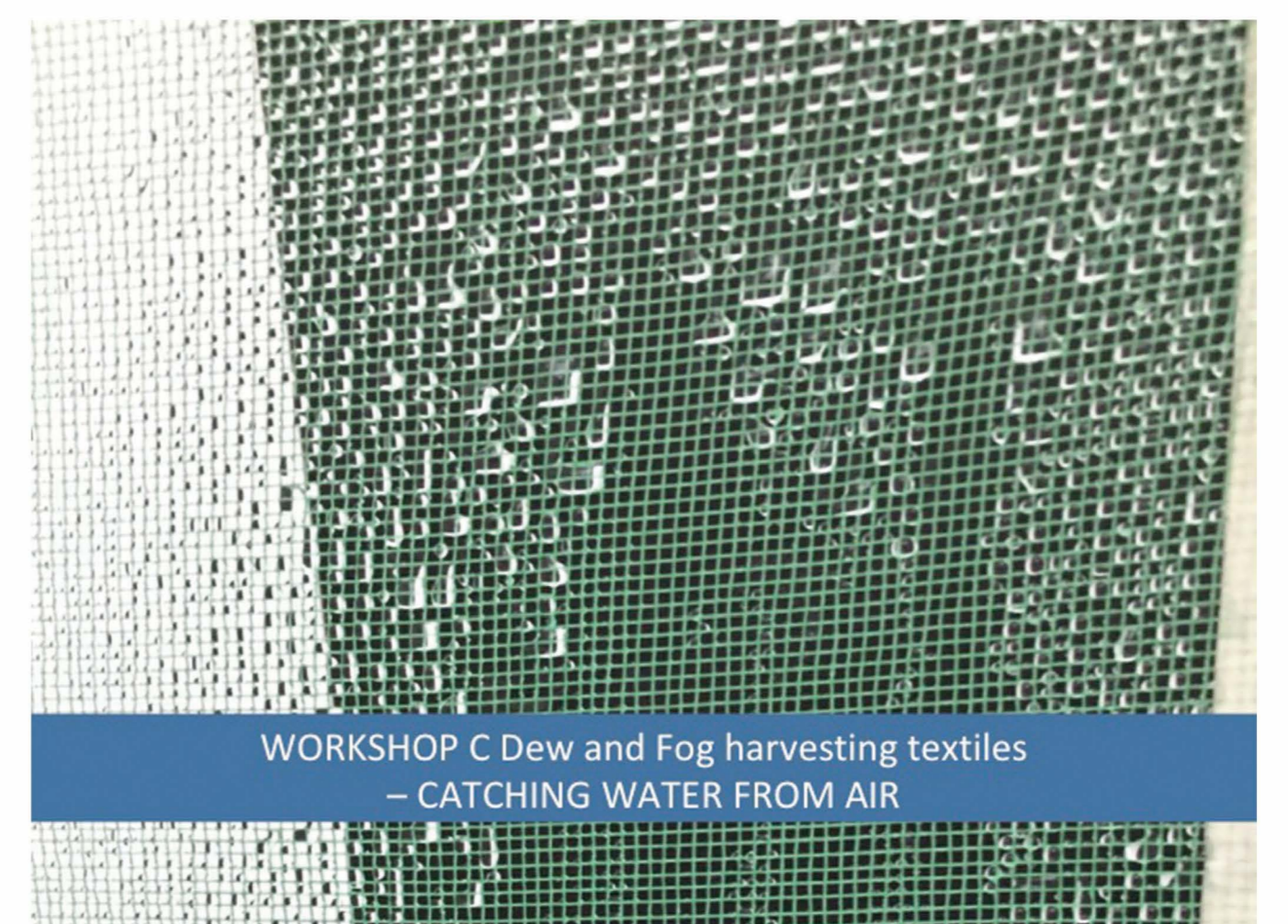
**WORKSHOP C:** Dew and Fog harvesting textiles - CATCHING WATER FROM AIR



WORKSHOP A Form Finding of Minimal Surfaces  
- MINIMAL NATURAL SOAP FILMS



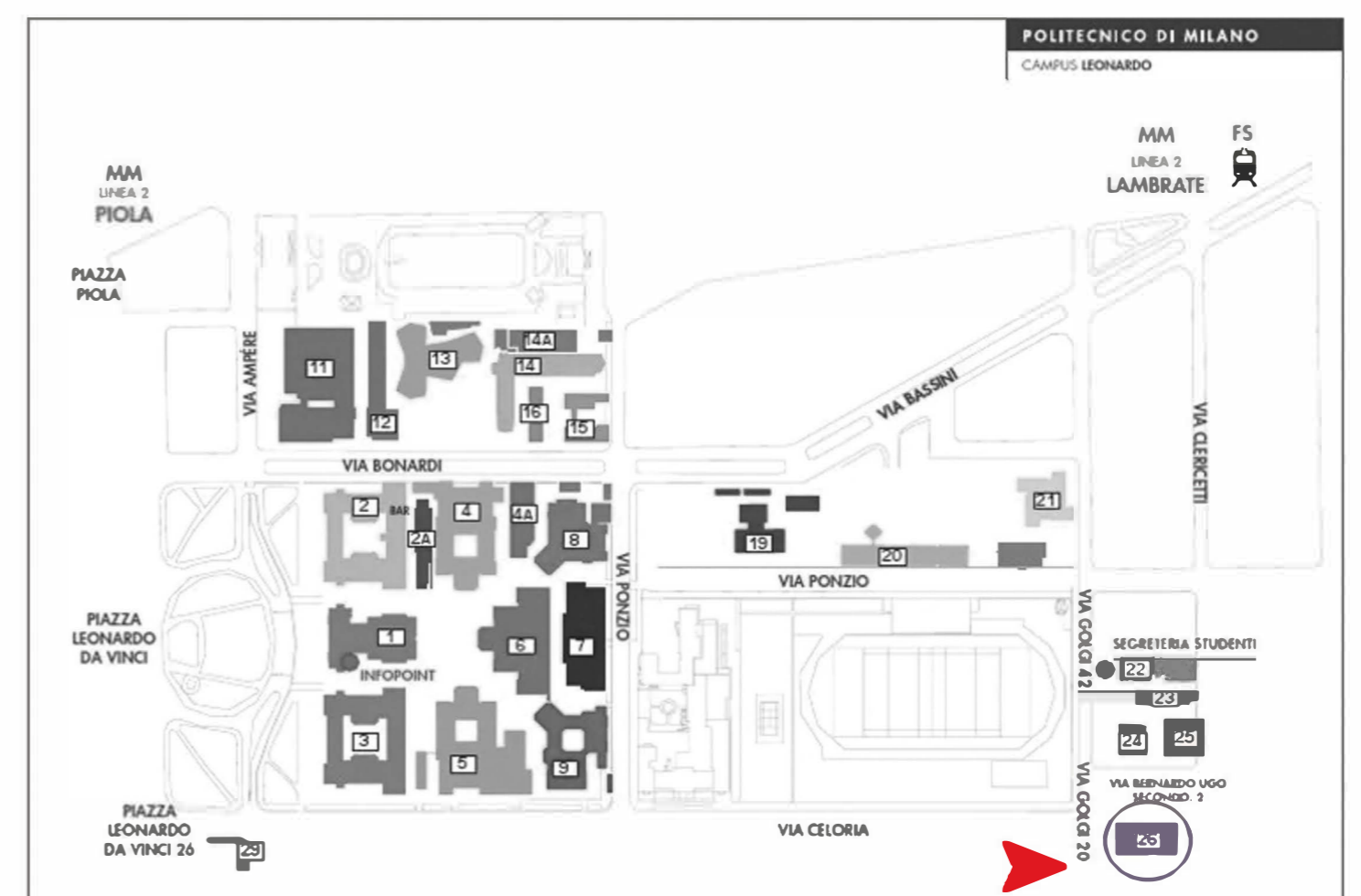
WORKSHOP B Programmable textiles for 3D printing  
- BIOMIMETIC TEXTILE SHAPES



WORKSHOP C Dew and Fog harvesting textiles  
- CATCHING WATER FROM AIR

TemporActive

TemporActive Pavilion, a temporary open space in PoliMi - Campus Leonardo. It is a 100 sqm transparent foils membrane supported by GFRP bending-active arches, developed to demonstrate the fast assemblage potential of the ultra-lightweight building system, Concept Design by Arch. PhD Carlotta Mazzola, project manager Alessandra Zanelli, with the economic support of TensiNet Association (Belgium) and with the technical support of Form-TL (Germany) for the structural analysis and Canobbio Textile Engineering (Italy) for the membrane manufacturing and the installation; installed in Piazza Leonardo da Vinci, Milan the 3-5 June 2019, as the main entrance of the International TensiNet Symposium "Softening the Habitats", Politecnico di Milano, Milan.



TemporActive Pavilion, PoliMi, Campus Leonardo, via Golgi 20, building 26

Location Map