

**3 JUNE 2026**



University of  
East London

ICASA 2026

TRACK 6

University Of East London (UEL) | AVA and DFuel

# INNOVATIVE RESTORATION OF HERITAGE SITES USING ROBOTICS & 3D PRINTING\*

## > Workshop Overview

This one-day intensive workshop explores AI as a collaborative design partner for architectural interventions in heritage and historic ruin contexts. Combining AI-driven image generation, speculative design workflows, and rapid prototyping in the dfUEL Lab, participants develop and physically realise architectural concepts through 3D printing and material fabrication, bridging digital experimentation with tangible design production.

### Workshop Schedule

- Full-day workshop (6–7 hours)
- 10.00 - 13.00: AI design exploration & visualisation AVA Computer Lab
- 14.00 - 16.00: Hands-on prototyping and fabrication dfUEL lab
- 16.00 -17.00: Discussion and design review with industry guests

## > Tutors Visiting Critics & Experts

- Isaac Cobo (UEL Denior Lecturer, Co-founder of Cocoarchitects, St Pancras restoration)
- Edouard Cabay (Advanced Digital Fabrication, Barcelona)
- Daniel Coll (Architect, Co-founder of Cocoarchitects)
- Jordi Truco (Robotic Fabrication Specialist)
- Robert Thum (Material Innovation, Carbon8 Expert)
- Rajat Shodi (3D Scanning and Digital Reconstruction)
- Jan Liebe (Computational Design Expert)
- Arthur Mamou Mani (Architect and Digital Fabrication Specialist)

## > Target Audience

- ICASA conference participants with experience in architecture/design/construction, prospective architecture students and architecture students from other institutions, professionals, engineers, and digital fabrication specialists
- Requirements: No prior experience in robotics required, but familiarity with Rhino, Grasshopper, or digital fabrication is beneficial.

\*The workshop will run subject to sufficient registrations