



SPATIAL TIMBER ASSEMBLIES: ARCHITECTURE, ROBOTICS, AND CRAFTSMANSHIP

Posted on April 25, 2018 by content



Categories: [Audio&visual](#), [ETH Zürich](#), [No Density](#), [Senseable Technologies](#), [Technology and fabrication](#)

Tags: [Audiovisual](#), [Design-based research](#), [Digital fabrication](#), [Digital technologies](#), [Emergent technologies](#), [Experimental Fabrications](#), [Responsive technologies](#), [Robotics](#), [Switzerland](#), [Technological Approach](#), [Technology](#), [Timber](#), [Zurich](#)

urbanNext Lexicon

Spatial Timber Assemblies: Architecture, Robotics, and
Craftsmanship

<https://urbannext.net/spatial-timber-assemblies-report/>

The Robotic Fabrication Laboratory (RFL) is the world's first research platform for large-scale robotic fabrication in architecture. The RFL is a ceiling-mounted gantry system that spans the entire laboratory hall and is able to work across a total volume of 45 x 17 x 6 metres using four cooperating industrial robots. This allows it to carry out experiments in the field of robotic fabrication in architecture on a scale previously unknown and also opens up new fields of research. The RFL is an integral component of the new Arch_Tec_Lab at the Institute for Technology in Architecture (ITA).

ISSN : 2575-5374

urbanNext Lexicon

Spatial Timber Assemblies: Architecture, Robotics, and
Craftsmanship
<https://urbannext.net/spatial-timber-assemblies-report/>

ISSN : 2575-5374