ETH zürich

Background Information

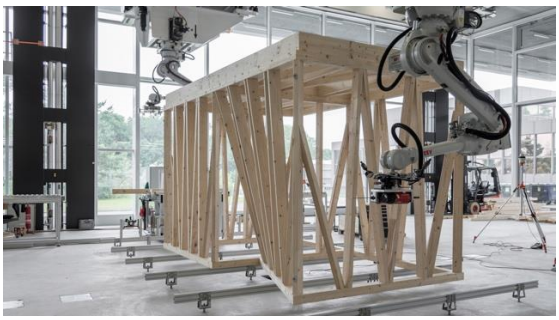
Image material and captions

Spatial Timber Assemblies

Zurich, 22 March 2018

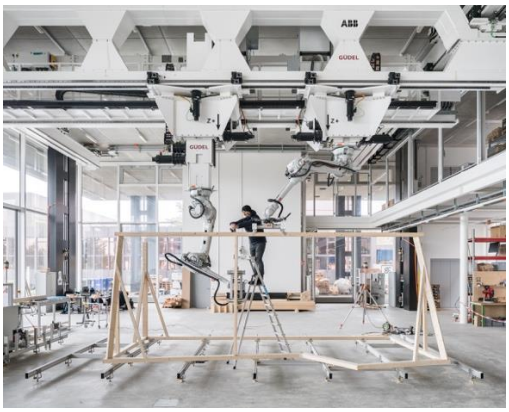
The following images and video footage can be downloaded free of charge:
http://bit.ly/SpatialTimberAssemblies →

Computer generated visualisation of the DFAB HOUSE on the modular research and innovation building NEST of Empa and Eawag in Dübendorf.



One of a total of six spatial, geometrically unique timber modules prefabricated with the novel robot-based building method “Spatial Timber Assemblies”.

Background Information



A project member manually bolts the timber beams together that have been jointly preplaced by the two robots.

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The Robotic Fabrication Laboratory of ETH Zurich is the world's first research platform for large-scale robotic prefabrication in architecture.

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Highly precise robotic positioning of a timber beam according to the computational design.

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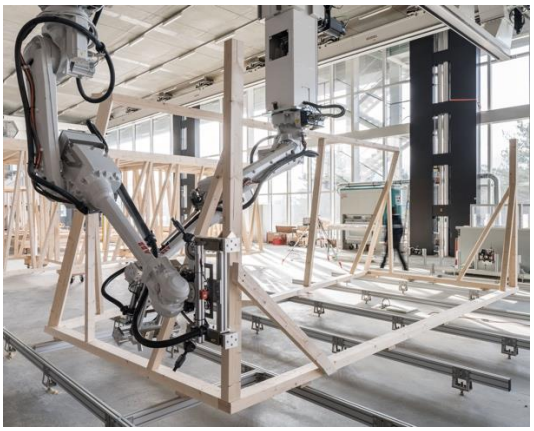

The two cooperating robots precisely position the timber beams in the spatial arrangement predefined by the computational design without colliding.

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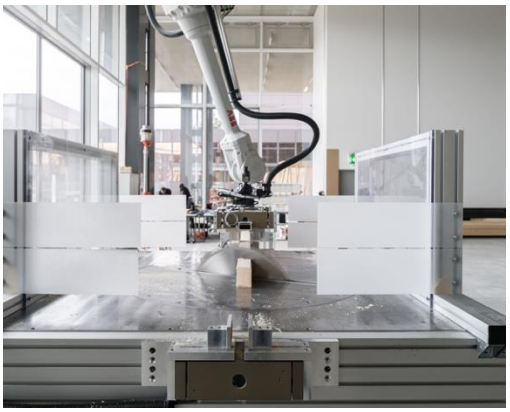

One of the robots taking a timber beam to the saw in order for it to be cut to size.

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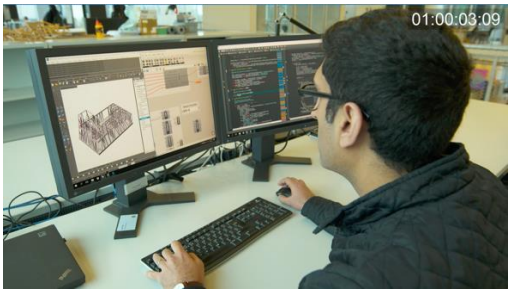

Video footage about the whole design and fabrication process of «Spatial Timber Assemblies».

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