Digital Fabrication with Timber Studio

14 - 16 JANUARY 2013
The UTAS School of Architecture and Design is continuing its long tradition in excellence in timber design and in learning-by-making with the 2013 Digital Fabrication with Timber Studio (DFTS).

The DFTS uniquely offers hands-on experience of the cutting edge digital design and fabrication process in timber from design conception to erected structure.

The studio is structured to develop an appreciation of 3D parametric modeling, digitally driven fabrication, rapid prototyping, and the design of geometrically complex structures in timber.

Prior to the workshop on-line learning tools will be used to ensure participants are familiar with the software tools and processes to be adopted during the studio, architectural and engineering precedents, and the use of engineered wood products.

During the three day studio participants will design, prototype, fabricate, and construct a timber structure. Participants will be encouraged and supported to make full use of the facilities available including a well equipped timber workshop, laser cutters, CNC routers, 3D modeling software, and parametric design tools.

Hands-on tutors for the DFTS include leading building industry professionals with international experience of timber in building design, skilled 3D parametric modelers, technical CAD-CAM operators, and those skilled in carpentry and joinery.

The DFTS has a lecture and social program. Lectures by internationally experienced practitioners will provide participants with a detailed insight into using timber in geometrically complex buildings.

The program should appeal to those with an interest in cutting edge 3D modeling tools, parametric design, the use to CAD-CAM fabrication, and the design of complex forms with timber.

LOCATION: School of Architecture and Design, University of Tasmania, Launceston, Tasmania

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