

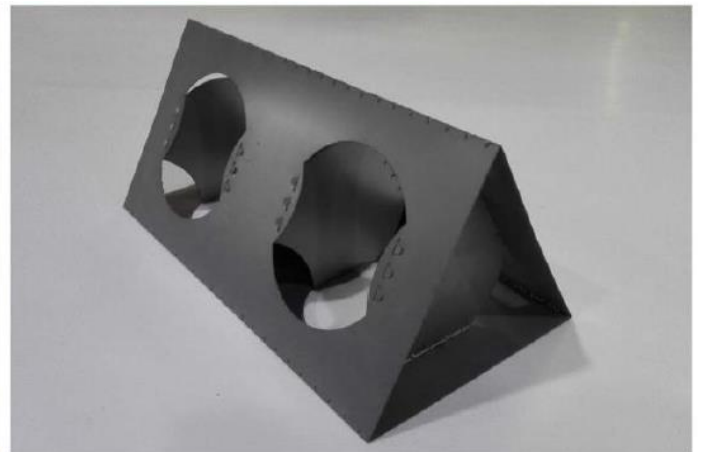
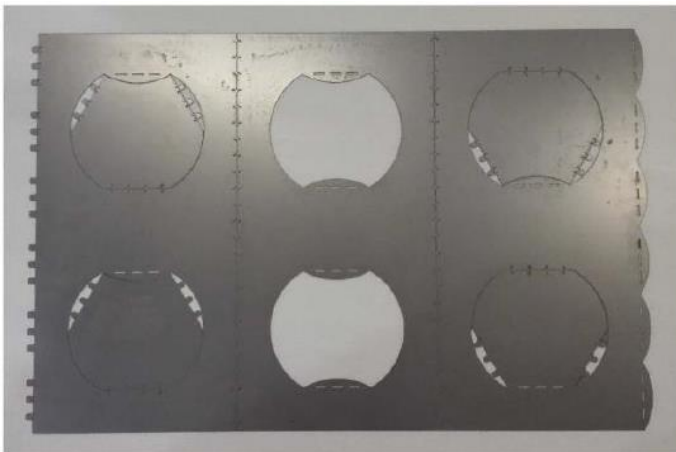
# PHD SCHOLARSHIP

The School of Civil Engineering at The University of Queensland (Brisbane, Australia) is offering a PhD scholarship for a motivated student to contribute to research being undertaken within the Folded Structures Research Group. The scholarship will be for three (3) years and valued at \$26,288AUD per year. Top-up scholarships and international student fee-waivers are also available to exceptional candidates.

## PROJECT INFORMATION

### *Analysis and Optimisation of Digitally-Fabricated Steel Thin-Walled Structures*

Recent research in the field of folded structures has suggested new ways to design and fabricate steel thin-walled sections. Preliminary research has been conducted on a folded triangular truss, however the digital fabrication methods and geometric design methods employed for this structure are expected to be adaptable to a wide range of novel steel thin-walled structures. The purpose of this research project is to design such structures and to analyse their mechanical and structural behaviours during fabrication, assembly, and use. The digital design and manufacturing process can then be extended to include automatic optimization of such structures, including optimization of structural performance and optimization of manufacture speed and effort.



## QUALIFICATIONS

Candidates must hold a relevant undergraduate degree in engineering, mathematics, or architecture. Candidates with skills or interest in thin-walled structures, structural geometry, or digital fabrication are strongly encouraged to apply.

## HOW TO APPLY

Interested candidates should submit their scholarship application on the Application for school-based PhD or MPhil scholarship [form](#), together with your supporting documents on the [RHD online application system](#).

Details on the application for admission and scholarship process can be found at <http://www.civil.uq.edu.au/RHD-application-apply>. For further details on the scholarship project, please contact Joe Gattas at [j.gattas@uq.edu.au](mailto:j.gattas@uq.edu.au).

Submission due by 31/05/2016.