



## **PhD Scholarship: Timber systems to meet new NCC provisions**

### **Supervisors: Associate Professor Tuan Ngo and Prof Barbara Ozarska**

As part of the ARC Centre for Advanced Manufacturing of Prefabricated Housing (CAMP.H), the University of Melbourne together with Forest & Wood Products Australia is offering a scholarship to support a PhD candidate under the supervision of A/Prof Tuan Ngo and Professor Barbara Ozarska within the Melbourne School of Engineering.

The ARC Centre aims to unlock the potential growth of Australia's prefabricated building industry by creating a sustainable training eco-system between industry and Australian Universities. The ARC Centre was awarded \$4 million in funding by the Australian Research Council. The Centre will, in partnership with industry, prepare the next generation of industry professionals and researchers, and develop the materials, systems and design thinking that will transform the construction industry towards an advanced manufacturing future.

### **PhD project summary**

Timber is experiencing a renaissance in the building industry and has become a key focus for mid-rise residential construction where it is considered a viable alternative to other materials such as concrete and steel. There are a multitude of performance requirements that must be met to comply with the deemed to satisfy provisions of the National Construction Code.

The aim of this project is to investigate design options and develop guidelines for structural and non-structural elements in modern timber framed residential buildings which will lead to the development of Australian design guidelines. Through the ARC Centre's partnership with Forest & Wood Products Australia the PhD candidate will spend time working closely with multiple companies manufacturing various products that supply the residential timber market.

The ideal candidate will hold a tertiary qualification in engineering, construction or a related field and will have a sound understanding of structural design. Experience in design for fire and/or acoustics would be highly desirable.

The successful candidate must meet the entry requirements for entry into the PhD in the Melbourne School of Engineering and receive an offer of admission. This scholarship is available for Australian or New Zealand citizens and Australian permanent residents only.

The scholarship offers an annual tax free stipend of \$31,298 per annum (indexed) for three years.

Visit the [Centre for Advanced Manufacturing of Prefabricated Housing](#) website for more information on the project.

Submissions should include a resume and cover letter and be addressed to Associate Professor Tuan Ngo at [camp-centre@unimelb.edu.au](mailto:camp-centre@unimelb.edu.au).

**Closing date: Friday 14 April 2017**