PHD SCHOLARSHIP

The School of Civil Engineering at The University of Queensland (Brisbane, Australia) is offering a PhD scholarships for a motivated students to contribute to research being undertaken within the Structures Research Group. The successful student will be funded through the Australian Research Council (ARC) project on floating forest. Potential students with an interest in offshore floating structures, and hydrodynamics are strongly encouraged to apply. The scholarships will be for three (3) years and valued at $27,082AUD per year (indexed). Top-up scholarships and international student fee-waivers are also available to exceptional candidates.

PROJECT INFORMATION

Floating large scale fish farms

In this project, we shall develop innovative modular offshore large scale fish farms, supported by recent and on-going ground-breaking scientific research on design and construction of concrete-based very large floating structures To achieve this we have set forward the following specific objectives:

- Identify suitable sites for the offshore floating fish farms within Australian waters;
- Produce innovative structural design concepts for the fish farm that has (a) huge fish cages to hold and protect the fishes from storms and tidal currents, (b) supporting floating platform facilities for workers accommodation, fish feed storage, power and control systems, (c) suitable mooring and foundation systems that are economical, robust and durable and (d) modular for easy construction and relocation if needed;
- Assess suitable construction materials for the fish cages, floating platforms and mooring system that will have mechanical properties for the desired performance in the harsh sea environment;

QUALIFICATIONS

Candidates must hold a relevant undergraduate or Master’s degree in civil engineering specializing on offshore engineering. Candidates with work experience and interest in offshore and floating structures and hydrodynamics are strongly encouraged to apply.

HOW TO APPLY

Interested candidates should submit their scholarship application on the Application for school-based PhD scholarship form, together with your supporting documents on the HDR online application system.

Details on the application for admission and scholarship process can be found at http://www.civil.uq.edu.au/HDR-application-apply.

For further details on the scholarship project, please contact Prof C.M. Wang at cm.wang@uq.edu.au.

Submission due by 15 October 2017