

PhD Studentships in Cement and Concrete Research at The Hong Kong Polytechnic University

PhD studentships are available in the Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University. The successful applicants will join a dynamic research team led by Prof. Jin-Guang Teng and Prof. Chi Sun Poon and contribute to a major research project on the use of fiber-reinforced polymer (FRP) composites and seawater sea-sand concrete (SSC) to construct sustainable marine infrastructure which has recently been funded by the Hong Kong Research Grants Council (www.polyu.edu.hk/web/en/media/media_releases/index_id_6564.html). Within this project, there are opportunities for research into many different issues, including the understanding of sea water and sea sand on the hydration and microstructure of cement and concrete, exploring the nanostructure of sea water hydrated cement by advanced instrumentation and molecular simulations, and assessing the durability of sea water and sea sand concrete. Abundant opportunities exist for international collaboration and exchanges. Successful applicants are expected to commence the PhD program at The Hong Kong Polytechnic University as soon as possible and not later than September 2019.

Applicants must possess the following qualifications/attributes:

- (a) A bachelor degree in Civil Engineering/Material Science or a closely related area with academic results being within the top 10% of the class from a reputable university.
- (b) A master degree is a desirable attribute but not an essential qualification.
- (c) A strong interest in pursuing an academic/research career.
- (d) For other general admission requirements (TOEFL, IELTS, GPA, etc.), please refer to <http://www51.polyu.edu.hk/eprospectus/rpg/admission-requirements>

Applicants with relevant research experience will be given preference. Research publications will be an important criterion for assessing the research experience and achievement of an applicant.

For details of what a PhD studentship offers, please refer to the information at the following link:

<http://www51.polyu.edu.hk/eprospectus/rpg/research-studentships>.

If you meet the above requirements and are interested in the opportunity, please email (1) a brief cover letter, (2) a CV, and (3) a short personal statement explaining why you are interested in joining the research group, in a single PDF file, to Prof. C. S. Poon at cecspoon@polyu.edu.hk (with the email subject of 'Application for PhD Position') by 31 January 2019. Short-listed candidates will be invited to attend a web-based or phone interview.