

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF BUILDING AND REAL ESTATE

Post Specification

Research Associate / Research Assistant (two posts) (Ref. 16032108)

[Appointment period: each for eighteen months]

Duties

The appointees will assist the project leader in the research project – “A new method for simultaneous plastic waste treatment and electricity generation using high performance direct waste solid oxide fuel cells (DW-SOFC)”.

Qualifications

Applicants for the **Research Associate** post should have a master’s degree in Mechanical Engineering, Chemical Engineering, Material Science or an equivalent qualification, or a good honours degree in the said disciplines with three or more years of research/relevant work experience. Applicants for the **Research Assistant** post should have a good honours degree or above in the said disciplines or an equivalent qualification.

Applicants should also:

- (a) have hands-on work experience in one or more of the following areas: fuel cell modeling and simulation, heat and mass transfer, fabrication, characterization and testing of fuel cells;
- (b) have a good command of both written and spoken English and Chinese; and
- (c) be mature and competent to work independently.

Preference will be given to those with a demonstrable record in research publications.

A suitably qualified appointee who is able to propose an MPhil or PhD research topic in consultation with the project leader will be encouraged to register for a research degree in The Hong Kong Polytechnic University.

Applicants are invited to contact Prof. Meng Ni at tel no. 2766 4152, fax no. 2764 5131 or email bsmengni@polyu.edu.hk for further information.

Remuneration

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

Revised on 15 August 2016