



The Hong Kong Polytechnic University

Department of Land Surveying & Geo-Informatics

Research Associate Post

The Hong Kong Polytechnic University (PolyU) is a dynamic institution with a proud and illustrious history. The PolyU is the largest tertiary institution in Hong Kong funded by the Government's University Grant Council in terms of the number of registered in-school students. The PolyU's ultimate aim is to equip students with not only professional competency but also the ability of independent thinking, good communication skills and a global outlook.

The Hong Kong Polytechnic University, a top university in Hong Kong, has demonstrated its strength and excellence in scientific and engineering research and applications in both Hong Kong and the World. In 2009, the PolyU is proudly ranked the 195th among the World's top universities by U.K.'s "Times Higher Education-QS World University Ranking 2009" of the Times Higher Education Supplement (THES). The Department of Land Surveying & Geo-Informatics of PolyU is the only department in Hong Kong that offers a range of opportunities for education, training and research in the field of Land Surveying & Geo-Informatics (LSGI). The research and teaching accomplishment of LSGI is not only ranked No. 1 in Hong Kong in its field, but also positioned at the top in the World. The statistics from U.S.A.'s Thomson Reuters show that during 2003-2008, the number of SCI papers averagely published by each LSGI faculty and researcher and the number of citations averagely received by each LSGI faculty and researcher are ranked as top 1 or top 2 among the peer departments in the World.



Group Research Interest:

This research group has a great interest in the ionosphere and space weather, and space geodesy. Currently the primary research is to study the coupling relationship of solar wind-magnetosphere-ionosphere using high precision GPS-inferred ionospheric data. More specifically the work includes global especially low-latitude and mid-latitude ionospheric characteristics, ionospheric irregularities and structures, ionospheric scintillation, monitoring of ionosphere and space weather, ionospheric modeling, methodology of using GPS to measure the ionosphere, and solar flare effects on ionosphere. The ultimate goal of this research group is to reveal the relationship between the change of ionosphere and space weather and the change of other geophysical signals, and the impact on human being activities.

Qualification Requirement

The selected applicant should have a Master or PhD degree in Space Physics or related disciplines, with a good command of written and spoken English. The applicant should be able to program using computer languages (e.g. C++, MATLAB®) and perform scientific data analysis. The applicant, as a mature person, should have demonstrated the capability to independently conduct scientific research in a team-work environment.

Remuneration

The selected applicant will be offered competitive remuneration commensurate with qualification and experience. The applicants should state their current and expected salary in the application.



Period of Employment

This initial period of employment at this post is 12 months with a possibility of extension depending on the availability of fund and applicant's performance. This post is vacant since December 01, 2009 until it is filled.

Contact

The interested applicants are encouraged to contact Dr. George Zhizhao Liu at Department of Land Surveying & Geo-Informatics, The Hong Kong Polytechnic University.

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