

# The University of Hong Kong



Dec 09, 2008

## Post-doctoral Fellow in Theoretical Condensed Matter Physics

Applications are invited for appointment as the postdoctoral fellow in the Department of Physics at The University of Hong Kong for a period of 2 to 3 years, on or before July 31, 2009.

This position is supported under the Post-doctoral Fellow Scheme by the University (<http://www.hku.hk/local/rss/rappdf/112-1108.htm>). The appointed fellow will work under the supervision of Assistant Professor W. Yao in one of the following directions, depending on the fellow's research background and interest,

- (1) Optical and electrical control of dynamics of single spins in semiconductor nanostructure, and the interplay of single spins with the nuclear spin environment, with emphasize on quantum applications;
- (2) Optical control of transport phenomena in semiconductor heterostructure and new carbon based material (e.g. graphene), with emphasize on spintronics applications.

A competitive salary commensurate with qualifications and experience will be offered. Annual leave and medical/dental benefits will be provided. More information about the Physics Department and Dr. W. Yao's research activities can be found at <http://www.physics.hku.hk/> and <http://www.physics.hku.hk/~wangyao/>.

Enquiries or Applications with a C.V. may be sent to Dr. W. Yao, Department of Physics, The University of Hong Kong, Pokfulam Road, Hong Kong (e-mail: [wangyao@hkucc.hku.hk](mailto:wangyao@hkucc.hku.hk)). Review of applications will continue until the post is filled.