The Hong Kong University of Science and Technology

Department of Mathematics and Croucher Lab

<u>A Half Day Workshop on Applied PDE</u>

2:00-2:45	Prof. Xinfu Chen, Univ. of Pittsburgh	Mean time of a Brownian motion particle escape from tiny windows
2:45-3:00	Prof. Xianmin Xu, Chinese Academy of Science	Analysis of wetting and contact angle hysteresis on chemically patterned surfaces
3:00-4:45	Prof. Weizhu Bao, National University of Singapore	Modeling, analysis and simulation for degenerate dipolar quantum gas
3:45-4:00	Prof. Shuyang Dai, HKUST	A continuum model for core relaxation of incoherent twin boundaries based on the Peierls-Nabarro framework

Tea Break

4:30-5:15	Prof. Aaron Yip, Purdue University	Renormalized Ginzburg-Landu Energy and Location of Near Boundary Vortices
5:15-5:30	Mr. Min Gao, HKUST	Numerical methods for a diffuse-interface model for moving contact line problem with large density ratio
5:30-5:45	Prof. Xinpeng Xu, HKUST	Contact line motion in liquid-gas flow at solid surfaces

Date: *01 June 2011, Wednesday*

Time: *2:00 p.m.-6:00 p.m*

Venue: *Room 4483, Academic Building (near lifts 25&26 HKUST)*

All are welcome!