

## Department of Applied Mathematics

### Seminar on

### High Efficiency Optimization Techniques for Complexity Data Mining

- 14:30-- 15:10     **Professor Yong Shi**  
Executive Deputy Director, Chinese Academy of Sciences, Research Center on Fictitious Economy & Data Science, Charles W. and Margre H. Durham Distinguished Professor, University of Nebraska, USA
- *Optimization based Data Mining and Intelligent Knowledge*
- 15:10 -- 15:40     **Professor Xiaohui Liu**  
Director, Centre for Intelligent Data Analysis (CIDA) & Deputy Head, School of Information Systems, Computing and Mathematics, Brunel University, UK
- *Intelligent Data Analysis for Business Intelligence*
- 15:40 -- 16:00     *Break*
- 16:00--16:30     **Professor Elizabeth Wegner Karas**  
Department of Mathematics, Federal University of Paraná, Brazil
- *A derivative-free method for nonlinear programming*
- 16:30 -- 17:00     **Professor Luiz Carlos Matioli**  
Department of Mathematics, Federal University of Paraná, Brazil
- *Two new augmented Lagrangian algorithms with quadratic penalty for equality problems*

**Date :** 3 January 2012 (Tuesday)

**Time :** 2:30 p.m. – 5:00 p.m.

**Venue:** HJ610, The Hong Kong Polytechnic University

\*\*\* ALL ARE WELCOME \*\*\*