



**The Hong Kong Polytechnic University  
Department of Applied Mathematics**

## **Colloquium**

**On**

**Private quantum subsystems and connections with  
quantum error correction**

**by**

**Professor David Kribs  
Department of Mathematics & Statistics  
University of Guelph, Canada**

### **Abstract**

In this talk, I will discuss some of my recent work with collaborators on the theory of "private quantum subsystems", a fundamental notion in quantum privacy and cryptography. I will start with a brief introduction to some of the mathematical tools from operator theory and concepts from quantum information relevant to the subject, and I will also discuss connections with quantum error correction.

**Date : 22 Oct, 2013 (Tuesday)**

**Time : 3:00 p.m. – 4:00 p.m.**

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

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