

For favour of posting

DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

Seminar

Mr. ZHENG Wei

Department of Math, Stat & CS
University of Illinois at Chicago
U.S.A.

will give a talk

entitled

**CROSSOVER DESIGNS FOR TEST-CONTROL STUDY
WHEN SUBJECT EFFECTS ARE RANDOM**

Abstract

The author study crossover designs based on the criteria of A- and MV- optimality under the model with random subject effects, for the purpose of comparing several test treatments with a standard control treatment. Optimal and efficient designs are proposed, and their efficiencies are also evaluated. A family of totally balanced test-control incomplete crossover designs based on a function of the ratio of the subject effect variance to the error variance are shown to be highly efficient and robust. The results have interesting connections with those in Hedayat and Yang (2005) and Hedayat, Stufken, and Yang (2006). If time permitted, other interests of the author will be briefly addressed.

on

Friday, May 28, 2010

9:00 a.m. – 10:00 a.m.

at

**Room 524, Meng Wah Complex
(behind the Chong Yuet Ming Amenities Centre)**

Visitors Please Note that the University has limited parking space. If you are driving please call the Department at 2859 2466 for parking arrangement.

All interested are welcome