

For favour of posting

DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

Seminar

Dr. WU Changbao

Department of Statistics and Actuarial Science
University of Waterloo
Canada

will give a talk

entitled

**PSEUDO EMPIRICAL LIKELIHOOD METHODS
FOR COMPLEX SURVEYS**

Abstract

This talk provides an overview of empirical likelihood methods for finite populations. We start with a brief account of historical development in likelihood based approaches to surveys and applications of the empirical likelihood method for iid cases to simple random sampling and stratified simple random sampling. We then present the recently developed pseudo empirical likelihood methods for complex surveys, with major focuses on confidence intervals, use of auxiliary population information, bootstrap procedures, Bayesian pseudo empirical likelihood inferences and computational algorithms. Some simulation results will also be reported.

on

Wednesday, September 8, 2010

2:00 p.m. – 3:00 p.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