

*For favour of posting*

DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE  
THE UNIVERSITY OF HONG KONG

Departmental Seminar

**Dr. Yong CHEN**

Department of Biostatistics, Epidemiology and Informatics  
University of Pennsylvania  
USA

will give a talk  
entitled

**NON-STANDARD PROBLEMS IN STATISTICAL  
INFERENCE: BARTLETT IDENTITY, BOUNDARY,  
IDENTIFIABILITY ISSUES**

**Abstract**

In this talk, I will cover a few ideas in tackling non-standard problems in statistical inference, including Bartlett identity, boundary and identifiability issues. I will show that these considerations are critical in model robustness, statistical power, and validity, and I will present several attempts that we made in addressing mathematical challenges in developing proper hypothesis testing procedures. I will also present case studies in biomedical research including DNA methylation data, and drug/vaccine safety surveillance data.

on

**Tuesday, January 29, 2019**

*(Refreshments will be served from 2:15 p.m. outside Room 301 Run Run Shaw Building)*

**2:30 p.m. – 3:30 p.m.**

at

**Room 301, Run Run Shaw Building**

**Visitors Please Note that the University has limited parking space. If you are driving please call the Department at 3917 2466 for parking arrangement.**

All interested are welcome