



DEPARTMENT OF APPLIED MATHEMATICS

應 用 數 學 系

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

**Colloquium**

**Analysis of Data with Missing Values**

by

**Professor Jun Shao**

**University of Wisconsin at Madison**

**Abstract**

Prof. Jun Shao, University of Wisconsin at Madison, will give a series of lectures based on his monograph *Statistical Methods for Handling Incomplete Data* (2013, Chapman) coauthored with Prof. Jae Kwang Kim. In 2014, Book review at the journal *Biometrics* recommended this monograph,

“Missing data literature has been dominated by the likelihood based approach, imputation approach and the inverse probability weighting or propensity scoring approach. This book covers these methods in a rigorous fashion and goes well beyond them by including many recent advances...Throughout the book, theoretical details are presented in a clear manner accompanying examples and excellent exercise problems are provided...Hence this book could serve as a textbook for a graduate course in a statistics or biostatistics program or a resourceful reference book for statistical researchers....In summary, this book nicely blends the theoretical material and its application through examples, ...Extensive coverage of recent advances in handling missing data provides resources and guidelines for researchers and practitioners in implementing the methods in new settings. ”

Prof. Shao is also the sole author of the classical textbook *Mathematical Statistics* (2003, Springer).

**Series 1 : 14:45– 17:45, 19 December, 2017 (Tuesday)**  
**Series 2 : 9:30-12:30, 20 December, 2017 (Wednesday)**  
**Venue : Z212, The Hong Kong Polytechnic University**

\*\*All postgraduate research students and junior researchers at universities in Hong Kong are welcome to attend the lecture series.

\*\*To register, please contact Mr. YANG, Michael Jin at [michael-jin.yang@connect.polyu.hk](mailto:michael-jin.yang@connect.polyu.hk).