

# Saw Swee Hock Public Lecture in Statistics

## Statistics for Big Data



by **Professor Dennis K.J. Lin**

*Department of Statistics*

*The Pennsylvania State University*

**December 18, 2014 (Thursday)**

6:00 p.m. - 7:00 p.m.

Rayson Huang Theatre (黃麗松講堂), HKU

Tea Reception at 5:30 p.m.

### **About the Talk**

After noting the relative absence of statisticians from the community of practice engaged with big data, we explain what big data is, how it's done, and who's working with it. Statisticians have much more to contribute in both the intellectual vitality and the practical utility of big data. At the same time, big data challenges statisticians to move out of some familiar habits to engage less structured problems, to become more comfortable with ambiguity, and to engage computer scientists in a more fruitful discussion of what the various parties can bring to this new mode of investigation. In this talk, we propose some potential directions for future research.

This talk is mainly based upon a 2014 joint paper with Dr. John Jordan.

### **About the Speaker**

Prof. Dennis K. J. Lin is a university distinguished professor of supply chain and statistics at Penn State University. His research interests are quality assurance, industrial statistics, data mining, and response surface. He has published near 200 SCI/SSCI papers in a wide variety of journals. He currently serves or has served as associate editor for more than 10 professional journals and was co-editor for Applied Stochastic Models for Business and Industry. Prof. Lin is an elected fellow of ASA, IMS and ASQ, an elected member of ISI, a lifetime member of ICSA, and a fellow of RSS. He is an honorary chair professor for various universities, including Renmin University of China (as a Chang-Jiang Scholar), Fudan University, and National Chengchi University (Taiwan). His recent awards including, the recipient of the 2004 Faculty Scholar Medal Award (Penn State), the Youden Address (ASQ, 2010), the Shewell Award (ASQ, 2010), the Don Owen Award (ASA, 2011), the Loutit Address (SSC, 2011), and the Hunter Award (ASQ, 2014).

For online registration, please go to <http://www.saasweb.hku.hk/seminar/20141218.html>



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All interested are welcome

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