

*Professor Li Ker-Chau***李克昭院士**

Prof. Li Ker-Chau from Division of Mathematics and Physical Sciences, AS is currently the Distinguished Research Fellow of Institute of Statistical Science, AS. Specialties of Prof. Li include **Mathematical statistics**, **High dimensional Data Analysis** and **Bioinformatics**. Prof. Li has achieved various academic awards including Distinguished Achievement Award from ICASA. He is also the Academician of the World Academy of Science. **Prof. Li was elected the Academician of AS in 2012.**

Prof. Li has once served at the Statistics Department of Purdue University and UCLA. He is now the Joint Professor at Mathematics Department of National Taiwan University. He received his Bachelor Degree at National Taiwan University, and pursued his PhD degree at University of California, Berkeley.

中央研究院數理科學組李克昭院士現任中央研究院統計科學研究所特聘研究員，專長包括數理統計、高維數據及生物資訊。李院士曾獲得 ICASA 傑出成就獎等多個學術榮譽，並為世界科學院院士，致力為統計學作出貢獻。李院士於 2012 年當選中央研究院院士。

李院士曾任職於普渡大學及加州大學洛杉磯分校，現為國立台灣大學數學系合聘教授。他於國立台灣大學獲得學士學位，並於美國加州大學柏克萊分校獲得碩士及博士學位。

*Lecture Topic**Liquid association for investigating complex data*

The statistical notion of correlation is the building blocks for many useful tools in analyzing complex data, featuring nonlinearity and high dimensionality. This talk is about how to exploit the statistical notion of correlation for bettering the strategy of analytics. The statistical notion of liquid association, motivated by pathway analysis of genomic data, will be elucidated.