



DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

40th Anniversary Seminar Series

Professor Shunlong LUO

*Academy of Mathematics & Systems Science
Chinese Academy of Sciences
China*

will give a talk

entitled

SUPERADDITIVITY OF FISHER INFORMATION

Abstract

The classical Fisher information is superadditive in the sense that the Fisher information of a bivariate probability density is always not less than the sum of those of the marginals. The longstanding conjecture concerning the superadditivity of the Wigner-Yanase-Dyson information is a quantum analogue of this property. We will review basic features of Fisher information, both classical and quantum, and tell some stories about the superadditivity issue.

on

Wednesday, November 14, 2007

3:00 p.m. – 4:00 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.