For favour of posting

DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

Seminar

Mr. Simon S.M. KWOK

Department of Economics
Cornell University
U.S.A.

will give a talk

entitled

NONPARAMETRIC TEST OF GRANGER CAUSALITY FOR STATIONARY COUNTING PROCESSES

Abstract

Testing for Granger causality has been mostly limited to discrete time series models. I develop a nonparametric statistical test for checking the cross correlation for a stationary bivariate system of continuous time point processes and discuss the asymptotic properties of the test statistic. One key feature of the test, when applied to simple point processes, is that the cross correlation statistic is sufficient to test for serial independence. Besides, the test is model free, enjoys asymptotic normality, and is potentially applicable in market microstructure hypothesis testing and default risk modeling.

on

Monday, July 11, 2011

2:00 p.m. – 3:00 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.

All interested are welcome