

## **Statistical Arbitrage and Fractional Cointegration**

Ngai Hang Chan

The Chinese University of Hong Kong, Hong Kong, China  
nhchan@sta.cuhk.edu.hk

### **Abstract**

This talk discusses some of the recent developments of statistical arbitrage and fractional cointegration. By virtue of some of the asymptotic results about fractional co-integration tests, a pair-trading strategy is constructed from which statistical arbitrage can be developed. The talk concludes with some of the applications to financial data.