



香港浸會大學
HONG KONG BAPTIST UNIVERSITY



香港浸會大學理學院
HKBU Faculty of Science

Department of Mathematics

50th Anniversary Lecture Series

Shot Noise Effects in Economics: Financial and Statistical Aspects



Prof. Dr. Dr. h. c. Winfried Stute

*Professor of Statistics and Probability Theory,
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Fellow of the Institute of Mathematical Statistics (IMS)
Doctor honoris causa from the University of Santiago de Compostela*

Date: 1 March 2011 (Tuesday)

Time: 11:00 am - 12:00 noon (Preceded by Reception at 10:30 am)

Venue: RRS905, Sir Run Run Shaw Building,
Ho Sin Hang Campus,
Hong Kong Baptist University

Abstract

Shot noise effects occur when smooth but possibly chaotic processes are subject to shocks which, though, may partially fade away on the long run. In a financial context, shot noise effects in the underlying may cause some difficulties when it is coming to pricing associated derivatives or finding hedge strategies against market risks. From a statistical point of view shot noise processes are able to create short- or long-memory effects, depending on how fast jumps fade away.

✦ ✦ ✦ **All are welcome** ✦ ✦ ✦

For enquires please contact Ms. Claudia Chui, 3411 2348.

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