For favour of posting

DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

50th Anniversary Seminar Series

Professor Søren ASMUSSEN

Department of Mathematics
Aarhus University
Denmark

will give a talk
entitled

BAYESIAN IDEAS FOR PREMIUM STRATEGIES

Abstract

The traditional control parameters in determining the strategy of an insurance company are dividends and reinsurance arrangements. Premiums are obviously of equal practical importance, but theoretical studies are more rare. We use here the traditional Bayesian view of the risk parameters of the insured (say the Poisson rate of generating car accidents) to be randomly fluctuating in the portfolio. This allows to quantify the influence of the premium level on the portfolio size and thereby approach control problems such as minimizing the ruin probability. Also deductibles are in part involved. Further a game theoretic perspective via differential games in a competitive market is outlined.

Joint work with Bent Jesper Christensen, Michael Taksar and Julie Thøgersen.

on

Monday, August 7, 2017

(Refreshments will be served from 10:45 a.m. outside Room 301 Run Run Shaw Building)

11:00 a.m. – 12:00 noon

at

Room 301, Run Run Shaw Building

Visitors Please Note that the University has limited parking space. If you are driving please call the Department at 3917 2466 for parking arrangement.

ALL INTERESTED ARE WELCOME