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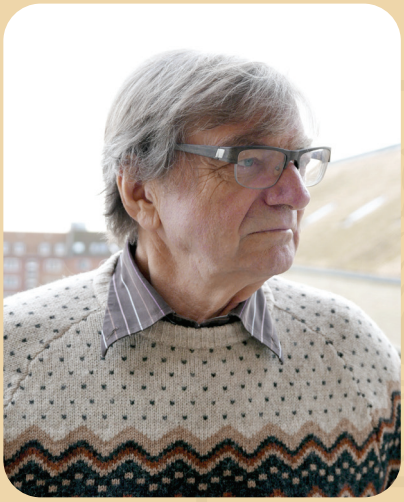
Patrick Poon Lecture Series in Actuarial Science

Monte Carlo Simulation & Conditional Monte Carlo



by Professor Søren Asmussen

Department of Mathematics
Aarhus University
Denmark

August 4, 2017 (Friday)
6:00 p.m. - 7:00 p.m.
CPD-3.28 , 3/F, The Jockey Club Tower
(賽馬會教學樓), Centennial Campus, HKU
Tea Reception at 5:30 p.m.

Abstract
Monte Carlo simulation can be viewed as a vehicle for performing computer experiments with randomness in problems that are too complex or too difficult to allow for theoretical calculations. We give here a survey with particular emphasis on applications to finance and insurance, concluding with a more detailed study of the conditional Monte Carlo method. Essentially this is a set of ideas of how to improve on Monte Carlo by involving features that can be calculated.

About Professor Søren Asmussen
Søren Asmussen is Professor of Applied Probability at Aarhus University, Denmark. He received his degrees from University of Copenhagen and has held faculty positions in Copenhagen, Aalborg (Denmark), Lund (Sweden) well as several visiting positions. His main areas are branching processes, insurance risk, queueing theory, stochastic simulation, applications of Levy processes and risk management. He has been Editor-in-Chief of the prestigious journals Annals of Applied Probability, Journal of Applied Probability, Advances in Applied Probability and received several international prizes and awards, including the John von Neumann Theory Prize.

For the SoA Continuing Professional Development (CPD) Requirements, attendance certificates available to registered participants upon request.

Online registration: http://www.saasweb.hku.hk/seminar/20170804.html

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All interested are welcome

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