

Discovering Potential in a Changing World

SAS Annual Actuarial Conference 2017

Heriot-Watt University Students' Actuarial Society

Join us at the 2017 SAS Annual Actuarial Conference to hear the very latest insights from leading experts. Explore the development of innovative risk modelling concepts in analysing risk of terrorism; learn the systemic impact of climate change in actuarial perspective and what we can all do more as actuaries and individuals.

If you are interested, please register your details on our website:

<http://www.hwsas.com/conference.html>

For enquiries, please contact:

Society President: Justine Lowe, jkl31@hw.ac.uk

Conference Director: Una Liu, nl3@hw.ac.uk

Intro

Every year in February, SAS holds its signature event - SAS Annual Conference. It is a key event in the calendar and attracts people at all stages of their actuarial career to find out more about current "hot topics" in this industry.

Conference Date

Thursday 9th February 2017

Venue

James Watt Centre Auditorium Hall (Next to Main Reception), Heriot- Watt University Edinburgh campus.

Audience composition

our university's Actuarial Science students, both undergraduate and postgraduate, lecturers, and some working actuaries. The demographic of our students is quite diverse; most of our students come from the UK, but we also have about a large number of actuarial science students from China and South East Asia.

Brief Agenda

3.30pm Door Open to Audiences

4.00pm Opening Remarks from Vice President

Plenary Session 1

4.05 – 5.05pm

Featuring Talks:

Some interesting episodes in the history of actuarial thought;

A review of the evolving terrorism insurance market;

5.05pm Refreshment & Networking Break (20 – 30mins)

Plenary Session 2

5.25 – 6.25pm

Featuring Talks:

A closer look at the global impact of climate change.

A brief talk about challenges that face the actuarial profession.

6.25pm Closing Remarks from President

6.35pm Conference End

Topics include, but are not limited to:

A Ramble Through Some Historical Actuarial Countryside

Craig Turnbull

Standard Life, Insurance Solution, Investment Director

Craig will highlight a few of the interesting episodes in the history of actuarial thought that have arisen over the last two hundred years or so, and reflect on what lessons they may provide for today's actuaries.

The Insurance of Terrorism Risk

Dr. Gordon Woo

Risk Management Solution, Chief Architect of RMS Risk Model

With the increased threat of terrorism, the Insurance industry face a need to understand and manage terrorism risk, Dr. Gordon Woo will introduce on quantitative terrorism insurance risk modelling, engaging the largest historic terrorist attack event – 911.

Risk Management in Climate Change

Sandy Trust

Grant Thornton UK LLP, Senior Manager

Climate change as one of the major globe risk has been discussed across the globe addressing its risk impact on current society and global financial system. Sandy Trust will explore more about climate change in actuarial perspective, from risk and uncertainty management to business decision making and liability modelling.

Speakers

Craig Turnbull joined Standard Life Investments in March 2015 after a fifteen-year career at Barrie & Hibbert. At B&H, he was Head of Research and Advisory, overseeing industry-leading work in insurance asset-liability modelling, economic capital, Solvency II and the hedging of insurance liabilities. At SLI, Craig leads the Insurance Solutions team, which works closely with Standard Life Investment's global insurance client group to support their insurance asset management requirements.

Craig qualified as a Fellow of the Institute of Actuaries in 2003. In 2013, he was awarded the Institute of Actuaries' Peter Clark Prize for best actuarial research paper. He is the author of the recently-published book, *A History of British Actuarial Thought*.

Dr. Gordon Woo is a catastrophist at Risk Management Solutions. He is the chief architect of the RMS terrorism risk model. For his innovative work on terrorism insurance risk, he was named by Treasury & Risk magazine as one of the 100 most influential people in finance in 2004. In September 2013, as a leading international authority on quantitative terrorism risk assessment, he was called to testify to the US congress on terrorism risk modelling. He has been a frequent lecturer on terrorism risk at the NATO Centre of Excellence for the Defence against Terrorism, in Ankara, Turkey. He is the author of the two books, *The Mathematics of Natural Catastrophes*, published by Imperial College Press in 1999, and *Calculating Catastrophe*, published by Imperial College Press for the tenth anniversary of 9/11. Dr. Woo graduated as the best mathematician of his year at Cambridge University, completed his PhD at MIT as a Kennedy Scholar, and was a member of the Harvard Society of Fellows. He is currently an adjunct professor at Nanyang Technological University, Singapore, as well as a visiting professor at University College London.