2023 AICT-SOA Joint Seminar
Session information

Time	Title	Outline
09:10 - 10:00	**Session 1** **Hank Wu** Asset Liability Management in a Nutshell	In this session, we will explain the concept of ALM and explain why it is important for insurance company. 1. Will walk through asset allocation and investment strategy and show audience how those impact CF/duration matching. 2. Will explain how economy parameter such as interest rate impact disintermediation risk and capital 3. Will give a snapshot on ALM dashboard and how we can make it better in digital transformation Lastly, will explain how actuary models reinvestment and ALM in the current framework and how we can improve the process to make it more sophisticated going forward.
10:00 - 10:50	**Session 2** **Scott Chow** **Clement Bonnet** Index linked products – How this has gained popularity in Asia	The objective of this session is to introduce index linked products to the local actuaries and explain why this product could be a possible solution to the current issues faced by Taiwanese companies when looking for new product ideas. As index linked products are currently not yet a product that is available in Taiwan, through our presentation we would like to offer insights on: 1. What is index linked products and what are the appeals of this line of business; 2. Why these products have gained some success in some markets in Asia; 3. Index linked products product concept; 4. Comparative analysis of some sample products sold in Asia; and 5. How this is viewed by some insurance players and distributors in other markets.
11:15 - 12:05	**Session 3** **Peter Ying** Quantifying Quantified Health	Lifestyle factors have long been known to have a significant impact on health. As research on medical experience are scarce comparing to mortality, our analysis set out to quantify the relationship between medical experience and lifestyle factors that wearable devices can measure, such as physical activity, sleep and heart rate.

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	Session 4 **Vaibhavi Mehta** Highlights from Global Survey on Mental Health	Mental health conditions are among the most common health conditions globally. While it's estimated that mental health conditions account for approximately one-third of the Global Burden of Disease, the World Health Organization estimates that governments worldwide spend just over 2% of their health budgets on mental health. This care gap presents both opportunities and challenges for insurers globally. RGA surveyed our insurers to identify mental health trends, advances, challenges and innovations in markets around the world. The results of this survey will help benchmark insurers' activities regarding mental health initiatives and provide an overview of new developments within the industry. With responses from insurers, RGA offers a global perspective on how leading life and health insurers are currently positioning mental health within their strategic priorities, including within claims, underwriting, and product and proposition development.
13:30 - 14:00	**SOA Session** **Fiona Tang** Actuary Engagement	1. SOA recent update/offers 2. Sharing from the FSA GI member 3. Young actuary engagement – News and events year-by-year
14:00 - 14:50	**Session 5** **Harry Lee** Climate Change Litigation: Liability Landscapes & Coverage	In this session, we will overview of Current CCL liability landscapes and trends, global CCL scenarios and examples as well as the implications and outlook on liability coverage.

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14:50 - 15:40	**Session 6** **Victor Chen** SOA Research Institute – Highlights from selected Aging & Retirement researches and demo of the International Longevity Illustrator	This session will highlight recent SOA researches covering a range of topics important to actuaries when thinking about aging populations and solutions for mitigating risks. These researches may include, ● Insights into individual's awareness and process of leaving the workforce ● Consumer sentiment on insurance ● The cost of informal caregiving ● Other megatrends impacting the future of retirement and, ● Mortality improvement assumptions setting. We will also provide a short demo of the International Longevity Illustrator, a free tool created by the SOA Research Institute, for the public, to help individuals better understand the concept of longevity and to plan for a secure retirement more effectively. The illustrator provides likelihood of living to different ages, and is available for those in Hong Kong, Singapore, and Canada
16:00 - 16:50	**Session 7** **Adam Shao** Advanced Analytical Models for Experience Analysis	Life & Health insurance data have become more and more complex and high-dimensional, e.g. portfolios may include age, occupation, smoking status, detailed region, rich data such as (regular exercise info) from wearable devices, etc. In addition, many variables are correlated with each other. This has brought about challenges in developing robust models to capture complex interactions underlying the data. In this presentation, we discuss how analytical models can be used to help address these challenges in Life & Health data. Through a few selected use cases, we show how analytical models can be used to provide insights into customer engagement, auto classify a portfolio into sub-pockets in terms of claims experience, to spot areas with unexpected experience, and to capture complex interactions between risk factors and underlying risk. Most importantly, these analytical models can be easily integrated into a user interactive dashboard for daily uses.