

ONLINE JOINT SECTION COLLOQUIUM 2021

Post Pandemic Actuary - What have we learnt?

Participating Sections



AFIR-ERM
Finance, Investment & ERM



IACA
Consulting Actuaries



IAALS
Life & Annuities



PBSS
Pensions & Social Security

11-15 October 2021

DATE	PRESENTATIONS
	DAY 1
11th October	<p>13:00 -13:05: Welcome and Introduction 13:05 - 14:05: Keynote Speaker Ghislain Perrise - ESG integration within a risk management framework (AFIR-ERM)</p> <p>Break: 10 minutes</p> <p>Session I: Mathematical Methods in Actuarial Science 14:15 -14:35: Individual risk and collective decisions - Arthur Charpentier 14:35 - 14:55: Modern life-care tontines - Peter Hieber 14:55 - 15:15: Utility indifference pricing methods for incomplete markets - Michel Vellekoop 15:15 - 15:35: Ordered risk aggregation under dependence uncertainty - Yuyu Chen</p>
	DAY 2
12th October	<p>13:00 -13:05: Welcome and Introduction 13:05 - 14:05: Keynote Speaker Andrew Cairns - The impact of Covid-19 on higher-age mortality (IAALS)</p> <p>Break: 10 minutes</p> <p>14:15 - 15:35 Presentations</p> <p>Session I: Statistical methods for modelling mortality Session 1a: Bayesian model averaging for mortality forecasting using leave-future-out validation - Karim Bariou Session 1b: Estimating and modelling mortality rates in the absence of population data - Andrés Villegas Session 1c: Pandemic mortality rates - Matthias Lindholm Session 1d: A regression based approach for valuing longevity measures - Fabio Viviano</p> <p>Session II: Standard and emerging risks in actuarial practice Session 2a: Assessing the risk to life and health insurance liabilities from climate change uncertainty - Richard Marshall Session 2b: The effects of past and current air pollution exposure on multimorbidity, cognition, and disability in China - Cheng Wan Session 2c: Driving longevity through educational attainment - Robert Brown Session 2d: Implied bias in the valuation by multiple EV/EBITDA in public stocks in Mexico compared to the American market in pandemic times - Fernando Marine</p>

DAY 3	
13th October	<p>13:00 -13:05: Welcome and Introduction 13:05 - 14:05: Keynote Speaker Pablo Antolin - Retirement savings in the time of COVID-19 (PBSS)</p> <p>Break: 10 minutes</p> <p>14:15 - 15:55 Presentations</p> <p>Session I: Actuarial data science Session 1a: LocalGLMnet: an interpretable deep learning model - Mario Wüthrich Session 1b: Multi-state health transition modelling using neural networks - Qiqi Wang Session 1c: Multi-population mortality modeling with economic trends: A hybrid neural network approach - Katja Hanewald Session 1d: Pricing equity-linked life insurance contracts with multiple risk factors by neural networks- Łukasz Delong Session 1e: Metamodeling for variable annuity valuation: What works and what does not - Xiaochen Jing</p> <p>Session II: Pensions and social security Session 2a: Italian workers' compensation systems: the measures to face Covid-19 and the impact on disabled workers' survival - Daniela Martini Session 2b: Measures taken in some EU countries to counteract Covid-19, and effects on the Italian workers' compensation system. - Raffaello Marceloni Session 2c: COVID-19 and its impact on health expenditure in Japan - Akio Yamaki Session 2d: The annuity puzzle in the Brazilian complementary pension plans - Rodrigo Silva Session 2e: "Triple lock" increases to the UK State Pension - proposal for a more sustainable approach - Martin Lunn</p>
DAY 4	
14th October	<p>13:00 -13:05: Welcome and Introduction 13:05 - 14:05: Keynote Speaker Michael Clark - Actuarial work arrangements in a post-pandemic world (IACA)</p> <p>Break: 10 minutes</p> <p>14:15 - 15:35 Presentations</p> <p>Session I: Actuarial work and profession Session 1a: "Out on their own" - actuaries looking after individuals - Nigel Sloam Session 1b: Are actuaries independent guardians of financial security or just telling a convenient tale? - Michael Fackler Session 1c: Building Consulting Resilience through Challenging Times by Effective Networking - Octavio Rojas</p> <p>Session II: Optimal decisions and strategies Session 2a: Design and demand of retirement products in the accumulation phase - An analysis of the policyholders' perspective - Kea Schoder Session 2b: Product sales strategy and risk-return efficiency - Wataru Hirose Session 2c: A new approach to Markowitz portfolio optimization using ruin-based outcomes - Roberto Carache Session 2d: A probability of ruin approach to optimize pension fund investments - Abraham Hernández</p>

DAY 5	
15th October	<p>13:00 -13:05: Welcome and Introduction</p> <p>13:05 - 14:05: - Keynote Speaker Cathy Lyn, Kudzai Chigiji and Michael Clark - Putting the “I” in DE&I for actuaries (Panel discussion)</p> <p>Break: 10 minutes</p> <p>14:15 - 15:35 Presentations</p> <p>Session I: Implications of COVID-19</p> <p>Session 1a : Covidnomics: what a pandemic can teach us about human behaviour - Neil Parkin</p> <p>Session 1b: Impact of Covid - 19 in life insurance technical provisions - Luca Bianchi</p> <p>Session 1c: Building resilience - Lessons from Covid-19 - Kenichi Kimura</p> <p>Session 1d: COVID-19: Lessons learnt and going forward - Darshan Purmessur</p> <p>15:35-15:55</p> <p>Closing and Best Paper Award</p>