CEPAR ROUNDTABLE *LONGEVITY RISK WORKSHOP*

Longevity Risk – Mortality modelling, Products and Risk Management

27 November 2019, UNSW, Sydney

Presenters Biography's

Prof Ermanno Pitacco

Ermanno Pitacco is professor of Actuarial Mathematics and Life Insurance Techniques, in the University of Trieste, academic director of the Master in Insurance and Risk Management at the MIB School of Management (Trieste), associate investigator CEPAR (Sydney). He is an actuary, full member of the Istituto Italiano degli Attuari (Italy), and affiliate member of the Institute and Faculty of Actuaries (UK). Visiting professor in various universities (recently: University of New South Wales, Sydney; University of Liubljana; University of Louvain-La-Neuve; University of Zagreb; University of Kyoto). He is Editor of the Springer Actuarial Series, co-editor of the "European Actuarial Journal", and Associate Editor of the international journals "Insurance: Mathematics & Economics" and "Decisions in Economics and Finance"; member of the Actuarial Association of Europe, co-vice chairman of the Mortality Working Group of the IAA, member of the AFIR/ERM Committee, and member of the Education Committee of the IAA. Main fields of scientific interest are life and health insurance mathematics and techniques, longevity risk, heterogeneity and frailty, portfolio valuations. He was awarded with the 1996 INA Prize for Actuarial Mathematics, from Accademia Nazionale dei Lincei, and the 2011 Bob Alting von Geusau Memorial Prize, together with Annamaria Olivieri, for the best paper published in the ASTIN Bulletin on an AFIR related topic.

Dr Andrés Villegas

Andrés Villegas is a senior lecturer in the School of Risk and Actuarial Studies, UNSW Business School, at UNSW and an Associate Investigator in the ARC Centre of Excellence in Population Ageing Research (CEPAR) at UNSW. He completed his doctoral studies at Cass Business School in London focusing on the modelling and projection of mortality. Before his doctoral studies he obtained an MSc degree in Industrial Engineering from Universidad de Los Andes (Colombia) and worked as a

risk analyst at one of the biggest Colombian life insurance companies. Andrés's research interests include mortality modelling, longevity risk management and the application of optimisation and data analytics techniques in actuarial science and finance.

Prof Michael Sherris

Michael Sherris is Professor of Actuarial Studies in the School of Risk and Actuarial Studies, UNSW Business School, in Sydney, Australia. He is a Chief Investigator and Director, Industry Engagement, in the ARC Centre of Excellence in Population Ageing Research (CEPAR). He was 2009 President of the Asia Pacific Risk and Insurance Association. He has a long involvement as both a practitioner and in teaching and research in financial and insurance risk management and actuarial science. Michael has won a number of awards for his research including the IAA Bob Alting von Gesau AFIR Prize, Casualty Actuarial Society (CAS) annual prize for the most valuable contribution to casualty actuarial science published in American Risk and Insurance Association (ARIA) literature, the Geneva Association/IIS Research Program Shin Research Award For Excellence, ARIA Actuarial Journal Best paper award, NAAJ Best Paper award, the Redington Prize of the Society of Actuaries, and the H M Jackson Memorial Prize of The Institute of Actuaries of Australia. In 2007 he was awarded Actuary of the Year by the Institute of Actuaries of Australia in recognition of his contributions to actuarial research and education both internationally and within Australia. His current research interests' focus on longevity risk modelling and management, product innovation including long term care insurance.

Dr Runhuan Feng

Runhuan Feng is Associate Professor of Mathematics, a Helen Corley Petit Professorial Scholar and the State Farm Companies Foundation Scholar in Actuarial Science as well as the Director of Actuarial Science, University of Illinois at Urbana-Champaign. He is a Fellow of the Society of Actuaries and a Chartered Enterprise Risk Analyst. Over the recent years, he has dedicated his efforts to developing computational methods for risk assessment and management in areas of investment combined insurance and retirement planning. Runhuan Feng has published extensively on computational techniques of risk assessment and

management of investment-combined insurance and retirement planning products. He led the Society of Actuaries' first survey on nested stochastic modeling for insurance companies and performed subsequent research study to create resources for financial reporting actuaries on computational methods to speed up nested simulations. He has a long research track record in variable annuities and other innovations in annuity product design. He recently (2018) published the book “An Introduction to Computational Risk Management of Equity-Linked Insurance”, Chapman and Hall/CRC Financial Mathematics Series. Runhuan also has keen interest on risk analysis and data analytics for regulation and public policy making. His work in collaboration with State Universities Annuitants Association and a state legislator led to a legislative proposal to address the underfunding issue of the Illinois retirement systems.

Dr Jonathan Ziveyi

Jonathan is a senior lecturer in the School of Risk and Actuarial Studies at UNSW Business School and an Associate Investigator at the ARC Centre of Excellence in Population Ageing Research (CEPAR). He received his PhD in Quantitative Finance from the University of Technology Sydney where his thesis was on the evaluation of early exercise exotic options. His current research interests include longevity risk management, valuation of guarantees embedded in variable annuities and retirement income product design. His research output has been published in esteemed quantitative finance and actuarial journals such as Insurance: Mathematics and Economics, Quantitative Finance, The ASTIN Bulletin among others and has been presented at various international conferences.