Day 1

Parallel Sessions for industry and paper presentation I

9/21Thu. 11:00 – 12:30

Room A	Room B	Room C	Room D	Room E	Room G
Mortality models 1	**Valuation**	**Longevity-linked products**	**Marriage, suicide and housing**	**Financial plans and pension plans**	**Longevity risk and insurance**
Moderator: Professor Andrew Cairns	**Moderator: Professor I-Chien Liu**	**Moderator: Professor Jeffrey Tsai**	**Moderatort: Professor Malene Kallestrup-Lamb**	**Moderator: Professor Chih-Kai Chang**	**Moderator: Professor Jin Gao**
1. Semi-Parametric Extensions of the Cairns-Blake-Dowd Model: A One-Dimensional Kernel Smoothing Approach / Han LI & Colin O'Hare	1.On the Valuation of Reverse Mortgages with Surrender Options / Tianxiang SHI & Yung-Tsung Lee	1.SM Bonds - a New Product for Managing Longevity Risk / Piet DE JONG & Shauna FERRIS	1.The Effect of Marital Status on Life Expectancy: Is Cohabitation as Protective as Marriage? / Malene KALLESTRUP-LAMB	1.Life-time financial plan optimization with separate aversion against risk of short-term and long term goals / Pawel ROKITA, Radoslaw Pietrzyk & Krzysztof Piontek	1.Pricing latest-generation insurance linked securities: a disease-based modelling approach / Richard MARSHALL & Matthew Edwards
2.Improving the Distinction between Sampling Risk and Trend Risk: A Fay-Herriot Extension of Stochastic Mortality Models / Kenneth Q. ZHOU & Johnny S.-H. Li	2.Valuation Guaranteed Lifetime Withdrawal Benefits / Guaranteed Minimum Withdrawal Benefits in Presence of Longevity Risk / I-Chien LIU, Sharon Yang & Chou-Wen Wang	2.Longevity Bond Pricing in Equilibrium / Petar JEVTIC, Minsuk Kwak & Traian A. Pirvu	2.Demand for Annuities and Long-Term Care Insurance with Recursive Utility: Impact of Housing / Mengyi XU, Jennifer Alonso-Garcia, Adam W. Shao, and Michael Sherris	2.Unifying the Public Pension Plans - A Case Study in Taiwan / Chih-Kai CHANG & Jack C Yu	2.Health and Mortality Immunization Strategies: A Revisit of the Optimal Product Mix for Life Insurers / Hua CHEN , Jin Gao and Wei Zhu
3.A Robust Approach to Modelling Single Population Mortality / Andrew CAIRNS, David Blake and Kevin Dowd		3.Valuation on Mortality-lined Security: An Application on Stochastic Mortality Rate with Levy Jump / Jeffrey TSAI			

Parallel Sessions for industry and paper presentation II

9/21Thu. 14:00 – 15:30

Room A	Room B	Room C	Room D	Room E	Room G
Local sponsors section	**Life expectancy and socio-economic status**	**Small population modelling**	**Annuities**	**Mortality forecasting**	**Hedging Longevity Risk**
Moderator:	**Moderator: Professor Anthony Webb**	**Moderator: Jack C Yue**	**Moderator: Professor Yijia Lin**	**Moderator: Dr. Ugofilippo Basellini**	**Moderator: Professor Johnny Li**
1.Managing Risk in Retirement: Multi-Asset Income Solution / Sharon Chao（Director, Multi-Asset Solutions Investment Department, Alliance Bernstein Taiwan）	1.Rising Inequality in Life Expectancy by Socioeconomic Status / Anthony WEBB, Sanzenbacher, Cosgrove & Orla	1.Bayesian Method for Small Population Longevity Risk Modelling / Liang CHEN, Andrew Cairns, Torsten Kleinow	1.Reconciling forecasts of age distribution of death counts: an application to annuity pricing / Han Lin SHANG & Steven Haberman	1.A Bayesian Approach to Forecasting Mortality Rates for Long-term Care Subpopulations / Atsuyuki KOGURE, Shinichi Kamiya, & Takahiro Fushimi	1.Optimal Dynamic Longevity Hedge with Basis Risk / Ken Seng Tan, Jingong ZHANG & Chengguo Weng
	2.An Investigation into Inequalities in Human Lifespan / Les Mayhew & David SMITH	2.Using Graduation to Model Mortality of Small Areas / Hsin-Chung WANG, Jack Yue & Tzu-Yu Wang	2.Optimal Risk-Taking and Risk Management Decisions of Annuity Insurers under Prospect Theory / Cuixia CHEN , Yijia Lin, and Ming Zhou	2.Forecasting mortality by using statistical moments / Marius PASCARIU, Adam Lenart & Vladimir Canudas-Romo	2.Hedging Longevity Risk: Does the Structure Matter? / Nan ZHU, Richard D. MacMinn
2.Longevity Risk and Market Solutions / Yu-Fang Tseng（Assistant Vice President Actuarial Department, Mercuries Life Insurance）	3.Longevity Forecasting by Socio-economic and Regional Groups using Compositional Data Analysis / Soren KJAERGAARD, Jim Oeppen, Marie-Pier Bergeron Boucher, Malene Kallestrup-Lamb & Rune			3.Modeling and Forecasting Age-at-Death Distributions / Ugoflippo BASELLINI & Carlo Camarda	3.An Efficient Method for Mitigating Longevity Value-at-Risk / Johnny S.-H. LI & Yanxin LIU