

# The SOA Asia-Pacific Annual Symposium

June 6-7, 2022 Online- Hong Kong

## The SOA Asia-Pacific Annual Symposium Presenter and Moderator Biographies



### Welcome Remarks

**Keynote Speech 2: Post-Pandemic Asia Retirement (Moderator)**

**Session 11: Will Cancer be a disease of the past, and what will this mean for Insurance? (Moderator)**

**Samuel Lim, ASA**

*Program Organizing Committee representative*

Samuel is the Head of CI Analytics for Gen Re Life/Health Asia. He is leading the Gen Re's Dread Disease Survey and is also responsible for critical illness-related research and pricing initiatives in the region. He joined Gen Re in 2016 and has been involved in different roles including medical pricing, product development and analytics solutions. He has a first-class honours in Statistics and holds a master's degree from the London School of Economics. He is an Associate of the Society of Actuaries.

### Welcome Remarks



**Jennifer L. Gillespie, FSA, MAAA**

*President and Chair, Society of Actuaries*

Gillespie spent 19 years at Blue Cross Blue Shield of Minnesota – as vice president of Underwriting after various actuarial leadership roles. In recent years, she was vice president of Actuarial Services for Consortium Health Plans focusing on the national employer market. Gillespie has been retired for the last two years and has focused on her volunteering for the SOA and as a judge and Chief Referee for U.S. Figure Skating.

As a volunteer for the SOA, Gillespie served on the SOA Board for five years and the Leadership Team for two years as secretary/treasurer. She was also a member of the Strategic Planning Task Force and the Centers of Actuarial Excellence Evaluation Committee. As Chair of the Professionalism Education Management Committee, she is involved with the current effort to transform the Associateship Professionalism Course (APC) and Fellowship Admissions Course (FAC) experiences from in-person events to virtual ones as part of the SOA's response to COVID-19 restrictions. Most recently, Gillespie represented the SOA as a member of the CAS/SOA Joint Committee for Inclusion, Equity and Diversity.

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**Andrew Water, CFA, FRM, PRM, CAIA, SCR**  
*Senior Director for Insurance team*  
*Moody's Analytics*

Andrew Waters is a Senior Director for the Moody's Analytics Insurance team based in Hong Kong. He is involved in the development of the advisory services offering, working with research, product, sales, and implementation services teams to deliver tailored solutions for insurers. His experience includes IFRS 17, Solvency II internal model solutions, and more recently climate/ESG. Andrew is a CFA Charterholder, and holds a variety of designations including the FRM, PRM, CAIA and SCR.



**Sohila Kwan, FIAA**  
*Head of Business Development, Life & Health, Asia Pacific, PartnerRe*

Sohila Kwan joined PartnerRe in June 2020 and is currently Head of Business Development, Life & Health, Asia Pacific, at PartnerRe. In this role, Sohila assumes overall responsibility for PartnerRe's business development activities across the Asia Pacific region, leading its growth through profitable and sustainable business, and solidifying their footprint as a client-focused reinsurance partner.

Sohila has over 17 years' experience across the major markets in the Asia Pacific Region. Prior to PartnerRe Sohila was Head of Health & Medical Solutions for Swiss Re Life & Health, Asia. In this role, Sohila led regional and local cross-functional teams to partner with clients to execute strategic and innovative product development for their flagship protection products as well as innovative insurance customer solutions.

Sohila started her career in pricing in the Australian group insurance market with AXA Australia, before joining the Asia reinsurance sector at RGA as Pricing Actuary for Korea and then Regional Pricing Actuary for Southeast Asia and Greater China.

Sohila holds a Bachelor of Commerce and a Bachelor of Laws from the University of Melbourne and is a Fellow of the Institute of Actuaries of Australia.

Sohila is based in Hong Kong.



**Wilson Lai, FIA**  
*Vice President, Financial Solutions Manager*  
*Swiss Re Asia*

Wilson Lai is a Financial Solutions Manager with Swiss Re Asia based in Singapore. Wilson has 10 years' experience in capital motivated reinsurance structuring, traditional reinsurance pricing and client management in London, Hong Kong and Singapore. Most recently, Wilson is the lead on originating capital motivated reinsurance solutions for South East Asia to help insurers to optimize their KPIs on new businesses and in-force portfolios.

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## **Alexander Wong FSA - HSBC**

*Managing Director & Group Chief Actuary  
President Actuarial Society of Hong Kong*

Mr. Alexander Wong is the Group Chief Actuary for HSBC Life, responsible for overseeing all aspects of actuarial management across all HSBC global insurance manufacturing operations across Asia, Europe and America, and the global Actuarial Center of Excellence (ACE). He has over 20 years of experiences in Life Insurance across Hong Kong, Taiwan and US. He is an active participant in insurance industry development. He serves as the Industry leader for Life Industry Focused Group (IFG) during the ongoing HK Risk-Based Capital (RBC) consultation. Alex is also a member of the Insurance Advisory Panel (IAP) selected by HKICPA advising on the implementation of IFRS 17. He is currently the deputy chairman of HKFI LIC Task Force on Risk-based capital (RBC) Framework and a member of the Hong Kong Academy of Finance (AoF).

Immediately before his appointment in 2021, Alex was the Asia Chief Actuary covering actuarial management across HSBC entities across Asia. Before that, he was the Chief Actuary for Hang Seng Insurance, leading the actuarial function for the 2nd largest HSBC insurance entities globally between 2016 and 2018; and Head of Actuarial & Risk Analytics up until 2015, leading one of the two global centers of excellence of insurance risk and actuarial for HSBC Insurance. With a team of close to 80 risk and actuarial professionals, he has led the delivery of a wide range of actuarial services including valuation across various bases (statutory, IFRS, and economic capital), pricing, Prophet modelling, reinsurance, stress testing and risk analytics to the two major insurance companies in Hong Kong (HSBC Insurance and Hang Seng Insurance), with various supports to other Asia Pacific sites including China, Singapore, Malaysia and India.

Before joining HSBC in 2011, Alex was the Vice President and Appointed Actuary for Nan Shan Life Insurance in Taiwan and served as council member in the Actuarial Institute of Chinese Taipei. Since 2019 he has been serving as council member for Actuarial Society of Hong Kong (ASHK), and is the current President of ASHK for the year 2022.



## **Virtual Networking Remarks**

### **Nuttanate Pongpipatpaiboon, FSA (Nueng) – Swiss Re**

*Program Organizing Committee representative  
Greater Asia Committee member*

Nuttanate (Nueng) is Life & Health Senior Client Markets Team Lead for Emerging Markets in South East Asia with Swiss Re. She has almost 20 years of local and regional experience in the re/insurance industry, with primary focus on Asia markets. Her experience includes valuation, pricing and business development. In her current capacity, she leads team to bring solutions to support clients' business strategy/needs and solve the business challenges. She is a Fellow of the Society of Actuaries (FSA) and is currently a member of SOA Greater Asia Committee.

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## Closing Remarks



**Andrew Peterson, FSA, EA, MAAA, FCA**  
*Senior Director – International, Society of Actuaries*

Andrew Peterson, FSA, EA, MAAA, FCA  
*Senior Director – International  
Society of Actuaries*

Andrew Peterson is the Senior Director - International at the Society of Actuaries (SOA) working to implement the SOA's mission of advancing actuaries as leaders in measuring and managing risk on a global basis. In that capacity he oversees the SOA's activities outside of North America in advancing the actuarial profession through education and research. Andy works with the Board to establish the SOA's international strategy and oversees the work of members and staff around the world in implementing that strategy. Prior to taking on this role in mid-2018, Andy served as the Senior Staff Fellow for Retirement where he worked with SOA members to develop and support better retirement systems. Andy received a BS degree in mathematics from Taylor University in 1992. He is a Fellow of the Society of Actuaries, an Enrolled Actuary, a Member of the American Academy of Actuaries, and a Fellow of the Conference of Consulting Actuaries. He is also a member of the National Academy of Social Insurance.

## Keynote Speech: Regulatory Updates



**Lee Wai Yi**  
*Director & Head of Supervisory Analytics Division, Insurance Department  
Monetary Authority of Singapore*

Wai Yi has spent over 15 years with the MAS. She first joined the MAS in 2004, when the risk-based supervision and risk-based capital framework was being rolled out. She started heading a newly formed division, Supervisory Analytics Division, within the Insurance Department in MAS in 2011. Her role involves enhancing the Risk-Based Capital framework for insurers in Singapore ("RBC 2 Review"), conducting stress-testing on insurers, monitoring the macroeconomic inter-linkages between insurance and other financial sectors and providing other forms of actuarial and data analytics support to the insurance supervisors within MAS. Prior to this, Wai Yi was responsible for leading a team of officers in supervising a portfolio of direct life and composite insurers in Singapore. She was, and continues to be in some cases, actively involved in a number of projects such as enhancing the policy owners' protection scheme and insurance resolution framework in Singapore, key executive persons' approval regime as well as the governance and disclosure framework for participating life insurance policies. She is also actively involved in supporting MAS' active participation in International Association of Insurance Supervisors' key initiatives, such as the global insurance capital standard and the holistics assessment of systemic risk. Wai Yi had also undertaken actuarial roles such as product development, pricing, valuation and financial reporting, with a composite insurer and a regional office of a global reinsurer prior to joining MAS as a regulator.

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**Tony Chan**

*Associate Director, Policy & Development Division, HKIA Insurance Authority*

Mr Chan is the Associate Director, Policy and Development Division of the Insurance Authority, Hong Kong. Mr Chan is spearheading a number of projects being pursued by the Insurance Authority including the development of the Risk-based capital regime, policyholders' protection scheme, green and sustainable insurance, promotion of Fintech development of the insurance industry of Hong Kong and financial connectivity of the Greater Bay Area.

Before Mr Chan joined the Insurance Authority in June 2017, he worked with the then Office of the Commissioner of Insurance for over 27 years and was the Acting Assistant Commissioner of Insurance of the Policy and Development Division. Mr Chan has been involved in the supervision of Hong Kong insurance companies, both life and non-life, in different positions of the Office. The scope of his experience has spanned all aspects of insurance regulation, including prudential supervision of insurers, formulation and promulgation of regulatory policies on the insurance industry, liaison with international and Mainland regulatory authorities. Mr Chan is currently the Vice Chair of the IAIS Implementation and Assessment Committee. Mr Chan is a qualified accountant and holds an MBA and BA degree.



**Mario Lai FSA, CERA**

*Senior Manager, Prudential Hong Kong*

Mario is the solution functional lead of IFRS 17 project of Prudential Hong Kong Limited. In his role, Mario is working with various stakeholders to build the end-to-end solution for IFRS 17 reporting for Hong Kong business. This includes but not limited to ensuring methodology compliant with IFRS 17 technical interpretation, solution implementation on a timely manner and process optimisation. Prior to this role, Mario has worked in product pricing, valuation under HK Statutory, US GAAP, NZ MOS bases and business planning in various companies.

Mario is Fellow member of the Society of Actuaries, Chartered Enterprise Risk Analyst and Fellow member of the Actuarial Society of Hong Kong.



## **Keynote Speech: Post-Pandemic Asia Retirement**

**Elvin Tharm, FSA**

*Managing Director, Asia Retirement Strategy and Business Development, Manulife Asset Management*

Mr. Elvin Tharm is currently Managing Director in Asia Retirement Strategy and Business Development of Manulife Asset Management. He is responsible for the development and execution of strategy for Manulife's retirement business in each of the markets in Asia, along with business development activities in China, Indonesia and Malaysia.

Prior to joining Manulife, Elvin was the Head of Business Development and Client Relationship for Mercer Hong Kong's Wealth business. He was responsible for bringing together pensions and investment solutions for institutional clients and asset owners across pension funds, insurance companies and endowment funds in Hong Kong, Macau and Taiwan, as well as for wealth management intermediaries across banks, private banks, investment-linked insurance and

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investment funds platforms across Hong Kong and Singapore.

Prior to joining Mercer, Elvin held several positions with Principal Financial Group in Hong Kong, including Chief Operating Officer, Director of Finance and Actuarial, and Director of Risk Management, covering the Hong Kong pension business (MPF and ORSO) and Principal's joint-venture asset management businesses across Asia including CCB-Principal in China and CIMB-Principal in Malaysia. Before that, Elvin was a consultant with Towers Watson in Los Angeles, California and subsequently in China covering Shanghai, Beijing, Shenzhen and Guangzhou.

## **Calvin Chiu, FSA**

*Senior Managing Director and Head of Asia Retirement, Manulife*



Mr. Calvin Chiu is currently Senior Managing Director and Head of Asia Retirement of Manulife. He is responsible for Manulife's pension business in Hong Kong, Indonesia and Malaysia, business development and expansion strategy across the Asia region, as well as providing pension related subject matter expert support to each of the markets in Asia.

Prior to this role, Calvin was Vice President, Executive Compensation, responsible for executive compensation, compensation programs for Manulife's Investment Segment, global mobility total rewards strategies, and HR M&A due diligence. Calvin joined Manulife in September 2010 as Vice President, Global Pensions and Benefits. In that role, he had oversight of all the pension and benefits plans for Manulife's employees, agents, and retirees globally.

Prior to joining Manulife, Calvin was the Senior Director of Global Pensions at Canadian Imperial Bank of Commerce from 2007 to 2010. From 1999 to 2007, Calvin was a consultant with Towers Watson in the US retirement business and subsequently the international consulting group.

Calvin holds a Bachelor of Math in Actuarial Science degree from the University of Waterloo, Ontario, Canada. He is a Fellow of the Society of Actuaries.

## **Session 1: Learning from the C-suite – future actuary**

### **Kim Yeoh, FSA, FCIA, FASHK, CERA**

*Chief Financial Officer, Asia, Sun Life Asia*



Kim is a senior insurance executive with over 20 years of experience across North America, Europe and Asia. She is currently the Chief Financial Officer, Asia at Sun Life in the Asia Regional Office in Hong Kong. She first joined Sun Life in Hong Kong early in 2017 as the Head of Asset Liability Management Asia and later took on the role of Chief Actuary, Asia. Prior to that, Kim was the Chief Actuary of a large multinational insurance company in Indonesia.

As Sun Life's CFO, Asia, Kim is responsible for leading the company's finance organization in Asia as well as for regional oversight of the Actuarial, ALM and Product functions in Asia. In her role, Kim is accountable for implementation and application of IFRS 17 in the region. This is a topic that has been part of her professional interest for many years.

Kim is a Fellow of the Society of Actuaries, a Fellow of the Canadian Institute of Actuaries, a Fellow of the Actuarial Society of Hong Kong as well as a Chartered Financial Analyst Charterholder. She has been active as a volunteer in professional associations and has been involved in many industry initiatives to

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develop the actuarial profession.

**Frederic Weber, FIAF, FSAS**  
*Chief Actuary, AXA Singapore*

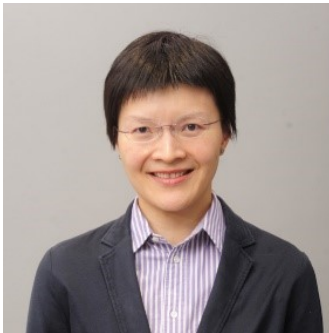


Fred started his career in 2005 in the AXA Group Headquarters in Paris and moved to AXA Singapore in 2008. As GI Chief Actuary and Certifying Actuary since 2013, he has led AXA Singapore to be a technically mature and sophisticated recognized company in Singapore and within the AXA Group.

Fred is a Fellow of the French Institute of Actuaries and a Fellow of the Singapore Actuarial Society. He has served as a President of the SAS from 2019 to 2022. He has also volunteered in the GI Committee, Education and Career Committee, Operations Committee, Professional Affairs Committee and International Committee. During his tenure as President and Council Member, he has gained leadership, governance formation, and entrepreneurial skills. He has notably led successfully the Constitution Revision Workgroup in 2020-2022.

Fred has also represented the voice of Singapore in the Council, Strategic Planning Committee and Advance Committee of the International Actuarial Association as well as in the Executive Board of the Asian Actuarial Association.

**Victoria Wen FSA, CERA**  
*Associate Director, Reinsurance, AIA Group Capital Management*



Victoria is an Associate Director, Reinsurance, AIA Group Capital Management. In her role, Victoria is responsible for driving AIA Group's reinsurance optimization initiative and providing oversight of reinsurance governance to all the Local Business Units across Asia. Prior to AIA Group, Victoria worked in Australia, China and Hong Kong where she held various positions in life insurance, reinsurance and consulting industries in actuarial pricing, valuation and business development. Victoria is a Fellow of the Society of Actuaries, Chartered Enterprise Risk Analyst and a Fellow member of The Actuarial Society of Hong Kong.

**John Mok**  
*CEO, Life & Health, APAC*



John joined PartnerRe in February 2021 as CEO, Life & Health, Asia Pacific, based in Singapore. He has the overall responsibility of PartnerRe's business in the region.

John has 20 years of experience in the Life & Health business across Asia Pacific. He joined PartnerRe after eight years at Swiss Re where he led Life & Health Client Markets for Japan, China, Hong Kong, and Taiwan. Most recently he held the position of Head of Client Markets Japan for both P&C and L&H, where he was responsible for the company's growth in Japan across all lines of business. Prior to Swiss Re, John worked in Australia for 12 years where he held various senior positions in both the insurance and reinsurance industries in actuarial pricing, valuation and business development.

John is an actuary, and graduated with a Masters of Commerce majoring in Actuarial Studies at Macquarie University in Sydney.

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## TRACK A: Product Development

### Session 2A: Managing Financial Market Risk Through Reinsurance



**Sylvia Pleskot, FIAA**

*Head of Business Development, Swiss Re Asia Pte. Ltd*

Sylvia Pleskot, FIAA, is the Head of Business Development for Swiss Re in Asia across both L&H and P&C. Sylvia is a qualified actuary with over 15 years of experience in life insurance across Australia and Asia. She has worked in a variety of strategic finance, valuation, product development and analytics roles within direct insurance and reinsurance.

### Session 3A: Financing Long-term Care Risks in a Super-Ageing Society: A Discrete Choice Experiment in Hong Kong



**Wai Sum Chan, CERA, FSA, HonFIA, FRSS**

*Professor of Finance at the Chinese University of Hong Kong*

Dr. Chan is Professor of Finance at the Chinese University of Hong Kong. Previously he taught at the University of Hong Kong, the National University of Singapore and the University of Waterloo (Canada). Wai Sum holds a Ph.D. degree from Temple University (Philadelphia, USA). He is a Chartered Enterprise Risk Analyst (CERA), Fellow of the Society of Actuaries (FSA), Honorary Fellow of the Institute and Faculty of Actuaries (HonFIA) and Fellow of the Royal Statistical Society (FRSS). Dr. Chan's research interests include stochastic modeling of actuarial assumptions, statistical applications to longevity risk management and time series forecasting. He received the SOA Edward A Lew Research Award (second prize) in 2006 and was awarded the Inaugural Teaching Excellence Award by the National University of Singapore in 1992. Currently, he is one of the co-editors of the North American Actuarial Journal.

### Session 4A: Long-term care insurance financing using home equity release: Evidence from an online survey

**Katja Hanewald**

*Senior Lecturer, University of New South Wales Sydney*



Katja Hanewald is a Senior Lecturer in the School of Risk and Actuarial Studies and the Coordinator of the Actuarial Co-op Program at UNSW Sydney. She is also the Director of Research of the Ageing Asia Research Hub, which is hosted by the ARC Centre of Excellence in Population Ageing Research (CEPAR). Her research addresses risk management and insurance responses to population ageing.

Her current research investigates optimal retirement financial decisions of older households and the design of retirement financial products such as reverse mortgages, long-term care insurance, and annuities. Katja has published in all leading international insurance and actuarial journals (including the Journal of Risk and Insurance, Insurance: Mathematics and Economics and the ASTIN Bulletin) and several major economics journals (including the Journal of Economic Behavior & Organization). She is a member of the editorial boards of the Journal of Pension Economics and Finance, the Risk Management and Insurance Review and the Journal of Retirement. She teaches risk management courses.



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## Session 5A: Valuing equity-linked insurance products for couples

### Eric Cheung, ASA

*Associate Professor, School of Risk and Actuarial Studies, University of New South Wales Sydney*

Eric Cheung is currently an Associate Professor at the School of Risk and Actuarial Studies in the University of New South Wales (UNSW) Sydney. He obtained his PhD in Actuarial Science from the University of Waterloo, and worked at the University of Hong Kong as an Assistant/Associate Professor for 7 years prior to joining UNSW in 2017. Eric's research interests include insurance risk theory, ruin theory, aggregate claims analysis, queueing theory and stochastic processes, and he has published more than 40 papers in top journals in these areas. Eric also has the track record of securing research grants from national funding agencies in Hong Kong and Australia and from actuarial organizations such as the Society of Actuaries and the Casualty Actuarial Society. He is an Associate of the Society of Actuaries, and he has been an Associate Editor of the leading actuarial journal *Insurance: Mathematics and Economics* since July 2019.



### Kelvin Tang

*PhD Student, Risk and Actuarial Science, University of New South Wales Sydney*

Kelvin Tang is a first year PhD student in Risk and Actuarial Science at the University of New South Wales. Previously, he has obtained a Bachelor of Actuarial Studies/Science (2020) and has experience as a Research Analyst in superannuation research and consultancy. His research interests are in improving the efficiency of theoretical models in insurance pricing.



### Gregory Lo, FSA

*Pricing Actuary and Assistant Vice President, Swiss Re Asia Pte. Ltd*

Gregory graduated from Chinese University of Hong Kong majoring in Quantitative Finance. He is a Fellow of Society of Actuaries and has 7 years of actuarial experience in local and regional reinsurance pricing in Hong Kong and Singapore.

## TRACK B: Analytics & Modelling

**Session 2B: Environment (climate trends, sea level), General Insurance (pricing/ratemaking)**



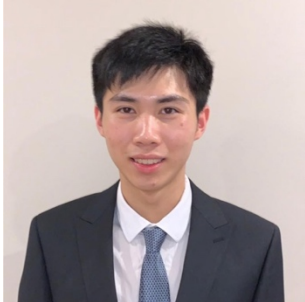
### Jae Kyung Woo, FSA, FIAA, CERA

*Associate Professor, University of New South Wales Sydney*

JK Woo is currently an Associate Professor, a Nominated Accreditation Actuary and a school EDI representative at the School of Risk and Actuarial Studies, UNSW Sydney. Her research interests are focused on risk theory, aggregate claim analysis, dependence modelling and the bonus-malus system. She holds a PhD in Actuarial Science from the University of Waterloo. Before joining the UNSW, she worked at Concordia University, Columbia University, and the University of Hong Kong. She is an editorial board member of *ASTIN Bulletin*, *Probability in the Engineering and Information Sciences*, and topic editor of *Risks*.

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**Ho On Tam**  
*Consultant, Taylor Fry*

Ho On is a final year Actuarial Studies / Commerce student at UNSW, currently working as a consultant at Taylor Fry. He is interested in identifying underlying patterns in datasets and their implications in the real world, especially in climate-related issues.

## **Session 3B: Embedding climate risk and climate disclosures**



**Dhiran Dookhi, FIA**  
*Director, Deloitte Consulting*

Dhiran Dookhi is a Director of Deloitte Consulting based in Hong Kong. He joined Deloitte in 2021 from Willis Towers Watson in the UK. He has over 18 years of professional experience with leading insurers and in consulting roles across strategic asset allocation, ALM and hedging, actuarial reporting and Solvency II, Capital Management and Enterprise Risk Management.

Dhiran is a Fellow of the Institute and Faculty of Actuaries. He holds a Bachelor of Science in Statistics and a Postgraduate Diploma in Management.

## **Session 4B: The frequency domain - With an application to scenario modeling**



**Hens Steehouwer**  
*Head of Research, Ortec Finance*

Hens is Head of Research at Ortec Finance. His PhD thesis “Macroeconomic Scenarios and Reality: A Frequency Domain Approach” laid the foundations for the risk modelling technology of Ortec Finance as used by investors around the world. Hens is an appreciated lecturer at various universities and in professional education programs.

## **Session 5B: Implications of Climate Change for Life Insurer's Risk Modelling**



**Alasdair Thompson**  
*Associate Director, Moody's Analytics*

Alasdair Thompson is an Associate Director in the Insurance Modelling and Analytics Research team. He joined Moody's Analytics in 2012 from a post-doctoral position at the University of Edinburgh. Alasdair is currently focused on pricing physical and transition climate risks, and incorporating these into financial models. Within the research team he has also worked extensively on developing methodology for IFRS 17 and decomposing credit risk. Prior to joining the research team he played a key role in the delivery of advisory and implementation services projects, focusing on the use of statistical regression techniques for capital modeling.

Alasdair has a MPhys and a PhD in Mathematical Physics from the University of Edinburgh.

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**Quinnie Chung, FSA**

*Director, Rewards Director, Rewards, The Hongkong and Shanghai Hotels, Limited*

Quinnie is a pension actuary by profession and is currently a human resource professional with a focus on Total Rewards. She worked at Aon Hewitt and Mercer before becoming an in-house Total Rewards consultant 7 years ago. She is currently responsible for the Total Rewards function globally at The Hongkong and Shanghai Hotels, Limited. Quinnie enjoys keeping current on actuarial topics and has continued her professional credentials as a Fellow of the Society of Actuaries, a Fellow of the Actuarial Society of Hong Kong and an Enrolled Actuary in the United States.

## **TRACK C: Future Actuary**

### **Session 6C: Embrace the Novation of Ecosystem of Actuarial Industry**



**Ken Liang FSA, CERA**

*Director, Deloitte*

Ken Liang is a Director of Deloitte Consulting based in Hong Kong. He has over 19 years of experience in actuarial industry in Asia. Before joining Deloitte Hong Kong, Ken had worked with Generali Asia, HSBC Life, Moody's Analytics, AXA Hong Kong, AIA, and CITIC-Prudential. Ken has tremendous experience of valuation reporting, economic capital, stochastic modelling, economic scenario generation, as well as ALM during his career. In life companies, Ken participated in two major model modernization projects in Asia. He also has the experience to run actuarial service centre in Asia.

Ken is a Fellow of the Society of Actuaries (SoA), and also CERA of SoA. He holds a Bachelor of Science degree.

### **Session 7E: Emerging Actuarial Technologies**

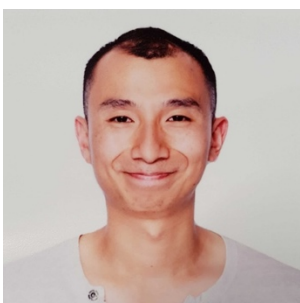


**Dale Hall, FSA, MAAA, CERA, CFA**

*Managing Director of Research, Society of Actuaries*

R. Dale Hall, FSA, MAAA, CERA, CFA is Managing Director of Research for the Society of Actuaries (SOA). In his role, Dale coordinates the SOA's strategic research partnerships, oversees SOA experience studies, coordinates research across the SOA's wide variety of actuarial practice areas and markets, and directs the SOA's data-driven in-house research initiatives. He is a frequent speaker at insurance and retirement industry meetings to highlight SOA research.

### **Session 8E: Becoming an Insurtech Actuary**



**Justin Yiu, ASA**

*Head of Product, GrabInsure*

Justin Yiu is passionate about building products from scratch and exploring spaces which are ripe for disruption. This is a big reason why he is very excited to be joining Grab Financial Group and be a part of its journey to modernize financial services in Southeast Asia, making products more simple and accessible to the everyday consumer.

Prior to joining Grab, he spent over 6 years with Solaria Labs, Liberty Mutual's innovation arm, starting and scaling the operations in the United States and Asia. In

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his most recent role as Head of Innovation, he led a team which launched new insurance products and built the innovation strategy for Liberty's Asia markets which include China, India, Vietnam, Thailand, Malaysia, Hong Kong, and Singapore.

Justin has been in Singapore since 2017. Prior to that, he worked and studied in the United States and Hong Kong. He is an actuary by background and is an Associate of the Society of Actuaries. During his free time, he likes to work out and play tennis, try new restaurants, and read books on business and investing.

## **Session 9E: Field Guide to the Insurtech Actuary – Observations in their natural habitat**

**Allan Wong, FSA**  
*Head of R&D, Spark, Coherent*

Allan plays dual roles as the Head of R&D for Spark, Coherent's proprietary logic and rules engine, and as a senior member of the Actuarial team leading client projects.

Beginning his career at Transamerica, Allan gained over a decade of experience in core actuarial functions, building a foundational understanding of the unique position and potential of insurance. In his last role, he led the Life Model Development team in a multi-year Transformation project involving System Conversion, Governance, and Process Automation. Returning home to Hong Kong, Allan joined RGA Asia Regional for a crash course in Critical Illness pricing and Product Development before a chance product demo brought him to Coherent.

With an insatiable curiosity and collaborative mindset, Allan is focused on helping Coherent's product managers find innovative and practical ways to use our ever-evolving technological capability. He believes insurance is a noble profession, centered in protecting lives and legacies, and is passionate about expanding access to quality coverage through technology.

**Bob Charles, FIA**  
*Head of Actuarial, Coherent*

Bob brings industry-leading actuarial and consulting expertise to Coherent's product suite and client engagements. His team supports the seamless integration of our products into client systems.

Bob's career started as a fresh-faced actuarial trainee in Willis Towers Watson, leading engagements with some of the largest clients across many Asian markets. He left as the Head of the Asia Pacific region. Bob then embarked on the start-up life at CXA Group, building the Hong Kong business of one of Asia's most prominent healthtech companies.

Throughout his career, Bob has never lost his enthusiasm for growing teams and businesses. Most of all, Bob is passionate about building trusted relationships with clients to help them do the same.



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## Session 10E: Developing Actuarial Applications using R Shiny

**Nicholas Yeo, FSA**

*Founder & Actuary, Nicholas Actuarial Solution*



Nicholas founded Nicholas Actuarial Solutions in 2015. He is an actuary with exceptional business acumen and a global perspective. His clients and his organization benefit from his strong grasp of strategic, operational and risk management aspects of the business.

Nicholas has over 15 years experience in actuarial work including life insurance, family takaful, general insurance, general takaful, employee benefits, pension, medical insurance, reinsurance and insurtech startups. Nicholas held appointed actuary and signing actuary roles in Malaysia, Cambodia and Papua New Guinea.

Nicholas has developed various technology and software application including IBNR Robot, ReACC, PAA Robot. Outside of traditional actuarial work, Nicholas has significant experience in captive insurance, offshore insurance, artificial intelligence and data analytics.

Nicholas is a Fellow of the Institute and Faculty of Actuaries (UK) and a Fellow of the Society of Actuaries (US). He is a past Council Member of the Society of Actuaries' Entrepreneurial & Innovation Section. He is also a past Chairperson of the Professional Development Committee and Events Committee of the Actuarial Society of Malaysia. Nicholas graduated from Bayes Business School formally known as Cass Business School with First Class Honours in BSc Actuarial Science.

**Debbie Ooi**

*Actuarial Analyst, Nicholas Actuarial Solution*



Debbie joined Nicholas Actuarial Solutions in 2018. She has 3 years experience in the actuarial industry. Debbie has extensive experience in wide range of actuarial work including actuarial valuation, product pricing, financial projection, business feasibility studies, risk management reporting and underwriting policy development. Debbie has experience across life insurance, general insurance life reinsurance, general reinsurance, family takaful and general takaful verticals. Her work spans across Malaysia, Australia, Cambodia, Myanmar, Singapore, and Bahrain.

Debbie is proficient in R, Python, VBA, and SAS programming languages and Excel. She has led several actuarial software development projects, including PET Robot, LRC Robot, LIC Robot, ReACC and Hinsurtech.

Debbie has extensive communication skills due to her prior exposure to journalism and leadership experiences. She has been actively delivering educational talks to university students on topics relating to the actuarial industry. Debbie has co-written a research paper for the Society of Actuaries (SOA) on the topic of artificial intelligence and its application in actuarial work.

Debbie graduated from the University of Liverpool, United Kingdom with a BSc (Hons) in Actuarial Mathematics. She is currently studying towards attaining Fellowship of the Institute and Faculty of Actuaries (IFoA).

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**Victor Chen, FSA, FCIA**

*Chief Actuary Asia Pacific, Life and Health, PartnerRe*

Victor is the Chief Actuary for PartnerRe Life & Health in Asia Pacific. In his role, Victor leads the actuarial organization in the delivery of financial and statutory results under various reporting bases and different in-force management activities to enable business development. In addition, Victor helps to facilitate the day-to-day operations of the rest of the APAC back office including the Internal Reporting and Technical Accounting teams. Victor is a longtime volunteer of the Society of Actuaries. Currently, he is a member of the SOA Greater Asia Committee, Research Executives Committee, the Joint Risk Management Research Team and vice chair of the Research Communication Oversight Group.

## **TRACK D – Microinsurance**

**Session 6D: Developing inclusive insurance and building the supply of future actuaries: Nurturing a love for mathematics and financial literacy in disadvantaged communities in Malaysia**



**Hassan Scott Odierno, FSA**

*Partner, Actuarial Partners Consulting*

Hassan is a Fellow of the Society of Actuaries working in Malaysia with projects throughout Asia and the developing world. Hassan has a bachelors degree in mathematics from WPI USA and an honorary masters degree in actuarial science from USIM Malaysia. Hassan frequently writes articles in LinkedIn and is the co-author of several books ranging from issues with homelessness in Malaysia to microinsurance and Takaful.

## **Session 7F: The mRNA saga in cancer treatment - reality check**

**Asha Sunil Sapre**

*Senior Medical office, Swiss Re Asia Pte. Ltd*

Asha is an MD ( Medicine ) and have more than 25 years of clinical practice experience. She has been associated with Swiss Re since 2004. Currently, she works jointly for the SwissRe Underwriting Global R&D and APAC Medical officers team. She is an ICLAM Bureau member representing India since 2019.

Asha is a member of " FICCI Health Insurance committee Task force on critical illness " which amended and added CI definitions for India market. In 2015, she is a part of core Organizing and Scientific committee ICLAM 2019 held at Mumbai Invited in 2018 to write a chapter on " Insurance medicine " in the 11th /edition of API Textbook of Medicine edited by the Association of Physicians of India. This is a standard textbook of Medicine used by Undergraduate MBBS and other medical students. She has been regularly representing Swiss Re as speaker at L&H industry events and ARMS



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## **Session 8F: New AJCC/UICC staging system and change in the distribution of cancer stage**

**David Lu**

*Asia Chief Medical Officer, Swiss Re Asia Pte. Ltd*

David joined Swiss Re in 2013, and now is Asia Chief Medical Officer of Swiss Re based in Hong Kong. His key responsibilities are leading the Asia Medical Officers team overseeing all medical related insurance risks and their trends, providing advices to and support business growth with a particular focus in Asia. Prior to joining Swiss Re, David had 10 years' experience of working at an international health insurance company.

Before joining the industry, he has written extensively on his research areas and was the best paper winner of 2001 SICOT (Societe Internationale de Chirurgie Orthopedique et de Traumatologie) in Paris, and the winner of 2009 international research award for young investigator of SPINE journal in Toronto, Canada, and winner of the Best Essay Award of 2019 ICLAM (International Committee of Life Insurance Medicine) in Mumbai, India.



## **Session 9F: Next-generation sequencing: what actuaries need to know**

**Dr. Hao Liu**

Dr. Hao Liu is the Regional Medical Officer of Swiss Re Asia, based in Hong Kong. His key responsibilities include sustainable life & health insurance products development, delivering thought leadership across Asia insurance markets, driving evidence-based research to underwriting manual, consulting on cases related to underwriting and claim operations.

Before moving into his current role, Dr. Hao Liu practiced in a variety of clinical settings and served as a Medical Director in the US secondary longevity market, where he developed an interest in underwriting older, impaired lives and complex cancer cases.

He completed his undergraduate studies and medical training in Canada. He is fluent in English, French, and Mandarin.

## **Session 10F: Bridging the diabetes protection gap by the power of medical advances, data and analytics**

**Kamakhya Das**

*Chief Medical Underwriter, L&H, Asia Pacific, PartnerRe*

Dr Kamakhya Das is the Chief Medical Underwriter, L&H, Asia Pac at PartnerRe. Over the last two decades, Dr Das has worked with both direct players and reinsurers and contributed in the space of underwriting, claims, product development and strategy. His core strength has been around building dynamic underwriting solutions linked to distribution and customer behavior.

Dr. Das holds a degree in Medicine (MBBS) and a Masters Diploma in Health Administration (DHA).



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**Session 10F: Bridging the diabetes protection gap by the power of medical advances, data and analytics**

**Session 11: Will Cancer be a disease of the past, and what will this mean for Insurance?**

**Bryce Shepherd, FIA**

*Head of Capabilities Development, APAC, PartnerRe*



Bryce leads PartnerRe's Asia-Pacific Capabilities Development function. The responsibilities include all client services and solutions which includes product development, business solutions, data analytics and UW and Claims. He has previously been Head of Strategy and responsible for the market and client strategy development and execution. His background is in Actuarial (Pricing and Product) and has experience covering multiple international markets including Australia, the United Kingdom, Ireland and Asia. His interests are in developing digital and data driven propositions and solutions.

Bryce is a qualified Actuary (FIA) and holds both a Bachelor of Science degree with honours (majoring in Bioinformatics) and a recent Master of Science in Business Management, majoring in Leadership and Innovation, where his dissertation focus was on Organisational Effectiveness.

**Session 11: Will Cancer be a disease of the past, and what will this mean for Insurance?**

**Achim Regenauer,**

*Chief Medical Officer, PartnerRe*



Dr. Achim Regenauer is a specialist in internal medicine with many years of experience in clinical medicine before he joined reinsurance industry. During several decades he acquired knowledge in risk management of international life insurance, partially also in health and non-life insurance. During this time, he worked internationally for Munich Re at an executive level with additional engagements in various insurance associations (e.g., Board Member of the ICLAM and Chairman of the board of Department for Life Insurance Medicine in Germany), but also with frequent contact to actuarial organisations, governments and the media dealing with hot topics such as pandemics.

In the last years one of his major tasks was to monitor and to analyze non-financial trends in medicine, technology, society and politics in terms of their impact on life and health insurance.

As from 1st January 2017 he joined PartnerRe as the Chief Medical Officer dealing with topical issues like genomic revolution, digitization of health care, implications by COVID on insurance business

and emerging topics such as antimicrobial resistance, obesity, mental health etc. Major focus of his activities are longevity issues, underwriting, claims, critical illness, critical advantage, and regular publications and updates on Partner Re underwriting manual (PAR).



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## Session 12: IFRS17 product development & future

### **Damian Borzucki**

*Executive Director, Product Development, Munich Re*



Over 20 years of experience in the Life Insurance and Reinsurance Industry. Thereof, eight years for German and international Life Insurance Companies. Since 2009 by Munich Re Markets holding a senior position in Product Management with responsibilities for:

- Strategic product development for Life Insurers and Pension Funds
- Development and risk management of alternative guarantees and product concepts for international operating Primary Life Insurers and Pension Funds
- Transfer of capital market risks beyond the capacities of the traditional reinsurance

Graduated from the University of Mannheim (Germany) with degree in mathematics. He is Fellow of Institute of Actuaries Germany. He speaks German, English, Polish and Russian.

### **Hanno Reich**

*Senior Structure, Accounting & Regulation, Munich Re*



.German Actuary (DAV)

- Actuary with ARAG Health Insurance (09/1986-09/1989)
- KPMG (09/1989-05/2018) Manager 1995, Partner 2004

Last Position: Head of Life Actuarial Germany

Expertise: Life and Health PI and RI, SII, IFRS 4/17, US GAAP

Selected Clients: Munich Re, Hannover Re, Allianz, ERGO, Talanx

- Since 05/2018 Munich Re Markets Accounting & Regulatory Team

### **Ka Hei Choi FSA, CERA**

*Partner, Deloitte Actuarial Practice*



Choi Ka Hei is a Partner of Deloitte Actuarial Practice based in Hong Kong. He joined the firm in 2007 and has spent 5+ years working overseas covering the US, UK and European markets. His actuarial specialism also includes complex asset modelling, business planning & projections, and asset-liability management.

Ka Hei is a specialist of finance transformation. He has extensive experience on transforming enterprise finance system to adapt regulatory changes such as Solvency II and IFRS 17. He has been the actuarial lead of multiple global finance transformation programme, ranging from global actuarial system modernisation to UK with-profits fund E2E system & process reform.

Ka Hei is currently leading the IFRS17 program delivery for one of the major life insurers in Hong Kong. He has been the actuarial solution lead on multiple IFRS17 implementation programs across Asia and also been functional testing lead for the IFRS17 implementation program of a Pan-Asian insurer.

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## **Christine Xinyue Wang**

*Director, Life Insurance practice of Deloitte Actuarial Consulting*

Christine is a Director in the life Insurance practice of Deloitte Actuarial Consulting based in China.

She has 14 years of actuarial working experience, including IFRS 17, embedded value, capital and risk management, financial reporting, regulatory reporting, Solvency II, asset and liability management, data analytics, actuarial modelling, product strategy, product pricing, distribution optimization. She is a fellow of Institute and Faculty of Actuaries (FIA) and a Chartered Enterprise Risk Actuary (CERA).

She has extensive experience in IFRS 17 implementation, having provided consulting services for a number of insurance companies in China and abroad. This include leading the end-to-end IFRS 17 implementation and providing services for technical interpretation, methodology documentation, actuarial model development, business requirements, data platform and sub-ledger system implementation, financial impact analysis, system testing and launch.

Prior to joining Deloitte, she worked in McKinsey Management Consulting China, where she provided strategic consulting services to large insurance groups in China relating to product innovation and insurance distribution optimization.

Before entering the consulting industry, she worked for two large insurance groups in Asia, and has in-depth understanding of life insurance products, distribution channels, data, systems, and models.



## **Maxine Lao Pagador FSA,CERA**

*Valuation Actuary for Partner Reinsurance*

Maxine is a fellow of the Society of Actuaries; she is currently working as a Valuation Actuary for Partner Reinsurance in Singapore and has over 10 years of actuarial experience both in direct insurance and reinsurance companies in Singapore, Australia and the Philippines. Her expertise is in reserving and financial reporting on various bases including IFRS, US GAAP and Local statutory, and under different capital regimes such as SII and RBC2.