

JOINT REGIONAL SEMINAR 2018

25 JULY – 6 AUGUST

“*Back to the Future –
Challenges and Opportunities in
an Increasingly Digital World*”

Joint
Regional
Seminar 2018

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|---|-----------------------------|---|------------------|
| 1 | TAIPEI
25 – 26 JUL | 4 | JAKARTA
1 AUG |
| 2 | HONG KONG
27 JUL | 5 | SYDNEY
3 AUG |
| 3 | KUALA LUMPUR
30 – 31 JUL | 6 | BANGKOK
6 AUG |

Organized by:



Institute
and Faculty
of Actuaries



Co-sponsored with:





WELCOME TO THE JOINT REGIONAL SEMINAR 2018

Joint
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Seminar 2018

OBJECTIVE

The Joint Regional Seminar (JRS) is an annual event co-organized by the Institute & Faculty of Actuaries, Actuaries Institute Australia and Society of Actuaries with the support of the local actuarial societies in the region. It is designed to assist actuaries and other professionals in meeting their CPD requirements. *Society of Actuaries of Thailand* is pleased to be once again hosting the JRS, which will take place on **6 Aug 2018 in Bangkok**.

THE SEMINAR

Increasing digitisation in the insurance industry is becoming more certain as a trend for where we are heading towards. In reality, we have already seen its impact being felt in areas such as business strategy, marketing philosophy and product offerings. It has driven changes to companies' organisational structure and work culture in order to further embrace the challenges and opportunities arising in the new digital world. These changes happening as well as associated challenges are not just impacting corporations, but are very relevant to our Actuarial profession. Like the technology itself, insurers' understanding of the impact of digitisation is evolving rapidly. Not long ago we were asking the question "Is this important?". Now the question has become "What do we do about it?". Hence the theme of this year's JRS is **"Back to the Future – Challenges and Opportunities in an Increasingly Digital World"**.

Some key topics in the Bangkok JRS are:

- How Digital is Changing Insurance Asset Management - Now and In the Future (by Aberdeen Standard Investments)
- Implementing Artificial Intelligence with Big Data for Life and Health Insurers - A Case Study on Digital Intervention Solution (by EY)
- Role of Technology in Driving Transformation of the Insurance Industry – Catalyst, Driver, Incubator? (by Willis Towers Watson)
- Application of Innovative GPU/CPU Parallel Computing Technologies in Actuarial Modeling (by Milliman)
- Put Digital Technology to Work for Consumer Empowerment (by SCOR)

CPD

The Joint Regional Seminar qualifies for (Actuaries Institute Australia / IFoA / SOA / SOAT) Continuing Professional Development (CPD). Actuarial members may find it a useful contribution to their personal professional development. A maximum of 6.1 CPD hours* can be claimed from the Bangkok JRS. The amount of hours recorded is left to the discretion of the individual.

* 1 CPD hour = 60 minutes

Programme

S31 SUKHUMVIT HOTEL
BALLROOM 1, 5TH FLOOR, 545 SUKHUMVIT 31,
KLONGOEY-NUA, WATTANA,
BANGKOK 10110, THAILAND
6 AUG 2018

Theme: Back to the Future – Challenges and Opportunities in an Increasingly Digital World

MC : Jiraporn Phonchewin, Ocean Life Insurance PCL

0830 - 0900	Registration
0900 - 0910	Welcome Remarks <i>Tommy Pichet, President of Society of Actuaries of Thailand</i>
0910 - 1000	How Digital is Changing Insurance Asset Management - Now and in the Future <i>Dr Bruce T Porteous, Aberdeen Standard Investments</i>
1000 - 1020	Morning Coffee Break
1020 - 1110	The Rise of FinTech/InsureTech and Predictive Analytics to Unlocking Sales, Profitability and the Customer Experience <i>Tommy Pichet, President of Society of Actuaries of Thailand</i>
1110 - 1200	Spatial Analytics and Insurance – The "Where" of the Digital Disruption <i>P.K. Senthilkumar, Red Planet Solutions (M) Sdn Bhd</i>
1200 - 1315	Lunch
1315 - 1405	Implementing Artificial Intelligence with Big Data for Life and Health Insurers - A Case Study on Digital Intervention Solution <i>James Lin and Dustin Ball, EY</i>
1405 - 1455	Application of Innovative GPU/CPU Parallel Computing Technologies in Actuarial Modeling <i>Chihong An and Joseph Kim, Milliman</i>
1455 - 1515	Afternoon Coffee Break
1515 - 1605	Put Digital Technology to Work for Consumer Empowerment <i>Bryce Shepherd, SCOR Global Life</i>
1605 - 1655	Role of Technology in Driving Transformation of the Insurance Industry – Catalyst, Driver, Incubator? <i>Mei-Chee Shum, Willis Towers Watson</i>
1655 - 1700	Closing Remarks <i>Wilaiporn Suwanmalai, Director of the Society of Actuaries of Thailand</i>
1700	End

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Speaker Profiles

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Dr. Bruce Porteous
Investment Director
Aberdeen Standard Investments
(ASI)

Bruce Porteous is an Investment Director at Aberdeen Standard Investments (ASI), the investment business of Standard Life Aberdeen plc (SLA), where he is leading and developing ASI's global insurance solutions proposition and business, increasingly dependent on digital ideas, data and technological innovation. Over his career with Standard Life Aberdeen, he has gained experience in marketing, corporate finance and international business development, especially his early involvement in the development of Standard Life Aberdeen's successful Indian businesses HDFC Life and HDFC AMC.

He gained banking experience in a retail mortgage bank start-up at Standard Life Aberdeen and has broad risk management and regulatory development experience, especially Basel II and Solvency II, Chairing the Association of British Insurer's Solvency II Committee. At Tillinghast, Bruce also gained experience of global insurance M & A, corporate restructuring and market entry. Bruce graduated from Edinburgh and Cambridge Universities with degrees in Mathematical Statistics, is a UK and Indian actuary and a Council Member of the UK actuarial profession.

He has published a highly regarded book on Economic Capital which has been translated into Mandarin and used extensively in the Chinese market. He has carried out computer vision research and is a co-inventor of the popular graph-cut method used in computer vision (https://en.wikipedia.org/wiki/Graph_cuts_in_computer_vision). Bruce has witnessed the emerging power of digital, data and technology through his career.



Tommy Pichet
President
The Society of Actuaries of Thailand
(SOAT)

Tommy Pichet, FSA, FIA, FSAT, FRM is a seasoned qualified actuary with 20 years of experience across Asian insurance, finance and employee benefit valuation and management.

He holds two master's degrees from City University of Hong Kong in Financial Engineering and Business Administration. Received fellowship in actuarial science from USA since 2005 (as FSA) and UK since 2008 (as FIA). He also holds Financial Risk Manager (FRM) designation from USA and passed Chartered Financial Analyst (CFA) level 2.

His key leadership positions and awards in the past are Chairman of Actuarial committee of Thai Life Association Assurance (TLAA), Director of actuarial department in AIA Thailand, Young ASEAN Manager Award (YAMA) in 2012 from ASEAN insurance industry, and National Statistician Award in 2016 from Thai Statistical Association

He currently is President of The Society of Actuaries of Thailand (SOAT), Board director of Thai FinTech Association, Board director of Insurance Premium Rating Bureau in Thai General Insurance Association (TGIA), and Managing



P.K. Senthilkumar
Chief Executive Officer (CEO)
Red Planet Solution (M) Sdn. Bhd

P.K. Senthilkumar, an Indian national, is the Chief Executive Officer (CEO) of Red Planet Solution (M) Sdn. Bhd. In his capacity, he has been instrumental in establishing and leading the company's technical vision of becoming the one-stop solution center for all of client's technical needs in the field of Geographic Information System (GIS). P.K. Senthilkumar holds a Master's Degree in Geomatics from Iowa State University (USA) and has been in the field of GIS for over 20 years. He started his career as a developer at Red Planet US office, then went on to establish the Offshore Development Center in India. PK now holds the position of CEO at Red Planet Malaysia, having worked with over 50 clients worldwide in the capacity of Subject Matter Expert or a System Integrator. His endeavors have taken him from across the continents, solving various problems by capturing, analyzing, manipulate and managing both spatial and attribute data to generate solutions that enable GIS to be an effective problem-solving tool.

Speaker Profiles

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James Lin
Senior Manager
EY

James Lin is a Senior Manager in EY's Asia-Pacific Insurance Advisory Services Group. He has led multiple projects in strategy development, business analytics, investment analytics, risk and capital management with banks and insurance companies in Australia and Asia.



Dustin Ball
Partner
EY

Dustin Ball is a partner and the EY Asia-Pacific Insurance Transactions Leader for Transaction Advisory Services bringing a full range of services to insurance clients of EY firms in Asia. He brings years of experience in strategy development, M&A, market entry, distribution channel transformation, partnerships, joint ventures and portfolio optimization.

Based in Hong Kong, Dustin has been living and working in Asia since 2004. Prior to joining EY, Dustin was the CEO of BIDV MetLife, a joint venture between MetLife and BIDV in Vietnam. He led the formation of the joint venture, licensing and start-up of the company, and then served as CEO until 2016. Before working at BIDV MetLife, Dustin was the Asia-Pacific head of strategic development for several leading multinational insurers, where he was responsible for overseeing mergers and acquisitions in Asia, as well as developing new market-entry strategies.

Dustin holds a Bachelor of Science in Chemical Engineering from the New Jersey Institute of Technology and an MBA in Finance and International Business from New York University's Leonard N. Stern School of Business.



Chihong An
Equity Principal
Milliman

Chihong An is an equity principal of Milliman and a managing director of the Seoul office. He has over 25 years of experience in North America and Asia and has been leading all of the IPOs as well as most of major M&A assignments of South Korean life insurance companies in the past 20 years.

Recently, Chihong is focusing on integrating new technology to actuarial operations, which led him to kick off the development of Booster-FMS, a new actuarial software based on a modern GPU/CPU parallel computing technology. With his vision, Booster-FMS is bringing new technologies and innovative approaches to the Korean insurance industry, allowing insurers to realize new levels of computing power and optimization in preparing for IFRS 17.

Speaker Profiles

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Joseph Kim
Consulting Actuary
Milliman

Joseph Kim is a consulting actuary with Milliman's Seoul office. He moved from Canada to join the office in 2013. Since then, his main responsibility has been to support clients in adopting advanced actuarial techniques and regulatory framework in their pricing and valuation processes with the recent focus on IFRS 17 system implementations. He is also the product manager of Booster-FMS and has been leading the entire development. Joseph has very diversified experience, covering most of actuarial operations from a direct insurer, reinsurer and consulting firm in Canada, the United States and Korea.

Joseph is a fellow of the Society of Actuaries, the Canadian Institute of Actuaries and Institute of Actuaries of Korea. He is also a Chartered Enterprise Risk Analyst (CERA) and a CFA charterholder. He graduated with the highest honors in mathematics from the University of Waterloo in Canada.



Bryce Shepherd
Actuary
SCOR Global Life

Bryce Shepherd is an Actuary with SCOR Global Life and currently heads up the Regional Partnerships team within Asia. Bryce recently moved to Hong Kong from the UK where he was in Business Development and Client Management for SCOR across the UK and Ireland markets. Previous to that he worked in Traditional Protection pricing and also Wealth Management for a well-known Australian Bank. Although he has moved from the UK, Bryce is an Australian citizen, and enjoys visiting new places and meeting new people. One of the most rewarding parts our industry at present is transforming what insurance means to people and creating innovative, engaging and relevant solutions for Insurance companies and customers alike.



Mei-Chee Shum
North Asia Leader, Insurance
Consulting and Technology
Willis Towers Watson

Mei-Chee Shum started her career in the UK, where she was an actuarial consultant at Tillinghast – Towers Perrin (now forming part of Willis Towers Watson). Mei-Chee relocated to Asia in 2003 and since then has held a number of senior positions across the region, including Chief Actuary for AIA Thailand, Chief Financial Officer for AIA Indonesia, Chief Marketing Officer for AIA Philippines, Group Head of Product Strategy for AIA Group, Chief Financial Officer for Manulife Taiwan, and Chief Executive Officer for Manulife Taiwan.

Mei-Chee has hands-on and extensive experience in financial management, capital management, strategic planning, product and proposition development, and risk management. Her roles and responsibilities have included leading large finance functions with complex structures and reporting requirements; management of capital requirements and profit emergence during times of market volatilities and different phases of company growth, development and transformation of product portfolios, and numerous merger and acquisition projects.

Mei-Chee has a PhD in mathematics from Macquarie University in Australia and is a Fellow of the Faculty of Actuaries.

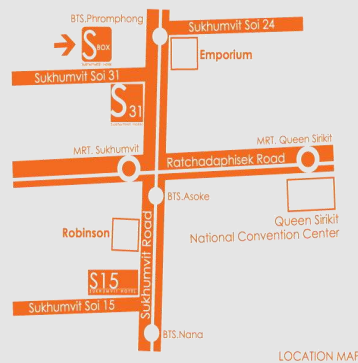
Joint Regional Seminar 2018 - Bangkok

- Target Audience**
- C-Suites of life and non-life insurance companies, reinsurers and regulators
 - Professional in life and non-life insurance industry:
 - * Actuaries, Investment Managers, Risk Analysts,
 - * Underwriters, Claim Officers, Auditors,
 - * Consultants, Academics and Interested People

Date & Time Monday, 6 August 2018 (9:00 AM - 5:00 PM)

Seminar Venue S31 Sukhumvit Hotel, Ballroom 1, 5th Floor, 545 Sukhumvit 31, Klongoey-Nua, Wattana, Bangkok 10110, Thailand

<http://s31hotel.com/>



Language English

- Remarks**
- All bank charges are to be paid by the sender.
 - Complete registrations will be confirmed by email.
 - Registration fee includes refreshment, breaks and lunch.
 - No refunds will be made for cancellations.
 - Seminar receipts will be provided at reception desk on 6 August 2018 upon request

Accommodation Arrangement Choice of 2 hotels:

- S31 Sukhumvit Hotel (Seminar Hotel - Appendix I)
- S Box Sukhumvit Hotel (Budget Hotel - Appendix II)

For reservations, enjoy a special rate by booking directly with Khun Phanuphong (Ben),

Mobile: +668 9780 4040, Email: phanuphong_d@s31hotel.com

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REGISTRATION FORM

Company: _____

Name in English: _____

Job Title: _____

Phone: _____ Email: _____

(Please tick "v" as appropriate)

Member of Society of Actuaries of Thailand (SOAT)

Fellow Associate Ordinary

Non-member

Deadline By : 30 July 2018

Seminar Fees : THB 3,500 net per person for SOAT Member *
THB 5,000 net per person for Non – SOAT Member *
* VAT included, withholding tax is not deductible.

Payment Method : Cash or cheque payment at the SOAT office.
Credit transfer to "The Society of Actuaries of Thailand"
Or "สมาคมนักคณิตศาสตร์ประกันภัยแห่งประเทศไทย"

Kasikorn Bank, Current Account No. 018-1-01969-7
Swift Code: KASITHBK, Bank Address: Patpong Branch

Registration : Please return your completed form with your payment to
Ms. Oraphan Panit
The Society of Actuaries of Thailand
C/O 348 Soi Ratchadaphisek 9 , Ratchadapisek Road (Thapra - Taksin) Dao
Khanong Sub district, Thonburi Bangkok 10600
Email : oraphan.panit@soat.or.th
Tel : +668-0559-4555

JRS Bangkok
Date: 6 August 2018
Venue: S31 Sukhumvit Hotel,
Ballroom 1, 5th Floor, 545 Sukhumvit
31, Klungoev-Nua, Wattana, Bangkok

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- Institute and Faculty of Actuaries
- Actuaries Institute Australia
- Society of Actuaries



Co-Sponsored with:

Society of Actuaries of Thailand



S31 SUKHUMVIT HOTEL
 545 Sukhumvit 31, Klongtoey-Nua, Wattana,
 Bangkok 10110 Thailand
 Tel: (662) 260 1111 Fax: (662) 259 7199
 E-mail: info@s31hotel.com

CORPORATE

Effective from: October 1st, 2017 – October 31st, 2018

Room Type	Rack Rate	Room size	Number of Rooms	Guaranteed Best Available Rate	
				Single	Double
Superior	5,000++	28 Sq.m.	32	2,950	3,300
Deluxe	6,000++	30 Sq.m.	18 doubles / 5 twins	3,300	3,650
Premier	6,500++	30 Sq.m.	36	3,600	3,950
Junior Suite	7,000++	40 Sq.m.	8	3,700	4,050
Duplex Suite	8,000++	30 + 25 Sq.m.	8	4,050	4,400
Duplex Corner Suite	9,000++	35 + 25 Sq.m.	4	4,400	4,750
Panorama View Suite	9,500++	70 Sq.m.	8	4,750	5,100
Executive Panorama View Suite	10,000++	70 Sq.m.	2	4,750	5,100
Family Residential Suite	60,000++	165+90 Sq.m.	1	23,000 (6 Occupants)	

* The above rates are net and inclusive of 10% service charge and 7% government tax and quoted in **Thai Baht**.

** Extra person rate THB 1,200 net per night inclusive of daily buffet breakfast. Deluxe Room and Junior Suite cannot accommodate.

Special Benefits for Corporate Guest

- Welcome drink upon arrival
- Unlimited usage Wi-Fi Internet for both in room and public area
- Complimentary tea and coffee making facilities
- Free use of Fitness Center, Sauna and Steam Bath
- Daily English Newspaper
- Daily Buffet Breakfast
- Complimentary usage of in-room microwave
- Free use of in-room digital safe
- Free use of Business Center

General Conditions:

1. Reservation:

When booking, please clearly state: Corporate rate applicable, company name, arriving flight details and time.

In the event of guest arriving with no prior reservation and requesting the corporate rate, the guest must show name card from the contracted company with him/her name stated, otherwise full room rate will be applied.

2. Credit:

Unless prior confirmation has been received and agreed by the authorized signatory of the contracted company and the hotel, all payments should be settled by the individual guest concerned upon check-out. If the company wishes to be invoiced for accommodation, this is to be agreed by the hotel management and all invoices must be settled upon agreement. For each individual booking a letter of guarantee is required indicating which expenses are to be paid by the company (e.g. room and breakfast only).

3. Child Policy:

Child under 12 years old and sharing room with existing bed will be accommodated at no additional charge unless an extra bed is required (**Extra bed charge is THB 1,200.-net including ABF**) Breakfast is free for child up to 4 years old. Above 4 years old, there will be daily Baht. 250 Charge for daily breakfast.

ABF: Adult THB 500 net per person Child THB 250 net per person (age 4 -12 years)

4. Cancellations & No Show:

Cancellations of reserved rooms must be made at least 3 days prior to arrival otherwise 1 night will be charged. No-Show will be charged 1 night. Early check out from reserved departure date will be charged 1 night.

5. Check in time: 14.00 hrs. and Check out time: 12.00 (noon) hrs.:

Early check in earlier than 10.00 am, half day charge is applied and subject to room availability. To guarantee for securing room for early check in, one day charge is applied. Late check-out at 13.00pm – 18.00 pm, half day charge is applied and subject to room availability. Late check-out after 18.00 pm, full day charge is applied.

S31 SUKHUMVIT HOTEL

Phanuphong D.

Phanuphong Duangkrut
 Room Sales Executive



S BOX SUKHUMVIT HOTEL
4 Sukhumvit 31, Klongtoey-Nua, Wattana,
Bangkok 10110 Thailand
Tel: (662) 262 0991 Fax: (662) 262 0995
E-mail: info@sboxhotel.com

CORPORATE

Effective from: October 1st, 2017 – October 31st, 2018

Room Type	Rack Rate	Room size	Number of Room	Guaranteed Best Available Rate	
				Single	Double
Scap	-	7 Sqm.	20	850	-
Box 5.0	1,703++	14 Sqm.	7	1,250	1,350
Box 5.5	1,905++	14 Sqm.	60	1,350	1,450
Box 6.0	2,085++	21 Sqm.	7	1,600	1,700

* The above rates are net and inclusive of 10% service charge and 7% government tax and quoted in **Thai Baht**.

** Daily buffet breakfast at S31 Hotel, charge at THB 200 net per person per day.

Special Benefits for Corporate Guest

- Mini Breakfast Bar
- Free use of in-room digital safe
- Unlimited usage Wi-Fi Internet for both in room and public area
- Complimentary tea and coffee making facilities
- **Box 5.0 upgrade Box5.5 free of charge.**

General Conditions:

1. Reservation

When booking, please clearly state: Corporate rate applicable, company name, arriving flight details and time.

In the event of guest arriving with no prior reservation and requesting the corporate rate, the guest must show name card from the contracted company with him/her name stated, otherwise full room rate will be applied.

2. Credit

Unless prior confirmation has been received and agreed by the authorized signatory of the contracted company and the hotel, all payments should be settled by the individual guest concerned upon check-out. If the company wishes to be invoiced for accommodation, this is to be agreed by the hotel management and all invoices must be settled upon agreement. For each individual booking a letter of guarantee is required indicating which expenses are to be paid by the company (e.g. room and breakfast only).

3. Child Policy

Child under 12 years old and sharing room with existing bed will be accommodated at no additional charge. Breakfast is free for child up to 4 years old. Above 4 years old, there will be daily Baht. 150 Charge for mini breakfast bar.

ABE: Adult THB 250 net per person Child THB 150 net per person (age 4 -12 years)

4. Cancellations & No Show

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S BOX SUKHUMVIT HOTEL

Phanuphong D.

Phanuphong Duangkruat
Room Sales Executive