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HACKING ALERT



Cyber risks – Threats and Opportunities for the Asia Pacific Insurance Industry



CONFERENCE BROCHURE





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Introducing the Speakers

<p>Dr Marie Kratz</p> 	<p>Dr. Marie Kratz is Professor at ESSEC Business School and Director of its risk research center, CREAR, and, since July 2017, holds a position of visiting professor at Lund University, School of Economics and Management, Sweden. She is a Fellow (Actuaire Agrégée) of 'Institut des Actuaire' (French Institute of Actuaries). She holds a Doctorate in Applied Mathematics (UPMC-Paris 6; carried out to a great extent at the Center for Stochastic Processes at Chapel Hill, North Carolina) & Habilitation (HDR), and did a post-doc at Cornell University.</p>
<p>Dr. Nir Kshetri</p> 	<p>Dr. Nir Kshetri is Professor at University of North Carolina-Greensboro and a research fellow at Kobe University. He holds a Ph D in Business Administration from University of Rhode Island. He has authored eight books. His 2014 book, <i>Global Entrepreneurship: Environment and Strategy</i> (Routledge: New York) has been selected as an Outstanding Academic Title by Choice Magazine. He has published about 120 articles in various journals. Nir worked as a consultant for the Asian Development Bank during 2017-2018. He also participated as lead discussant at the Peer Review meeting of the UN's Information Economy Report 2013 and 2015.</p>
<p>Dr. Nona Pepito</p> 	<p>Dr. Nona Pepito teaches economics in the Master in Management, Master in Finance, Executive MBA, and Global MBA programs in ESSEC Business School, where she is an Assistant Professor of Economics. She is an applied microeconomic and game theorist who has done research on transparency and incentive issues within joint projects. Her work has appeared in the international peer-reviewed journals <i>International Economic Review</i>, <i>Journal of Public Economics</i>, and <i>Economics Letters</i>. Her current research interest include the incentive effects of information disclosure in teams, and the strategic considerations in attacker-sdefender games and in maritime disputes in the South China Sea.</p>
<p>Dr. Parimal Bag</p> 	<p>Dr. Parimal Bag is an Associate Professor in the Economics Department of the National University of Singapore. Before joining NUS, he was with the University of Surrey, Birkbeck College, University of Liverpool, University of Ulster, and Bilkent University. His research fields are applied theory, public economics, and organizational economics. His work has been published in international peer-reviewed journals which include <i>Rand Journal of Economics</i>, <i>Journal of Economic Theory</i>, <i>International Economic Review</i>, <i>Journal of Public Economics</i>, <i>Economic Journal</i>, <i>European Economic Review</i>, and <i>Games and Economic Behavior</i>.</p>



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<p>Florian Pons</p> 	<p>Florian Pons is a IT Engineer specialized in cyber security graduated in 2009. He works most of his career in insurance industry. He is a certified actuary member from the Institut des Actuaire after submitting a memory on Actuarial Study of Cyber Risks (in French) in 2014. Since then he is an active member of the working groups of the French Institut des Actuaire on Data Science and Cyber Risks.</p>
<p>Dr. Mark Bentley</p> 	<p>Dr Mark Bentley has been working for Data61, a subsection of the Commonwealth Scientific and Industrial Research Organisation (CSIRO) and Australia's leading data innovation group, since June 2017. He completed his PhD at Monash University in January 2018 on the topic of Credit Valuation Adjustments for Credit Default Swaps. At Data61, he is a part of Risklab Australia which has expertise in Stochastic Optimisation and Foreign Exchange Derivatives pricing. Here he has been working on the quantitative modelling of cybersecurity risk and stochastic supply chain optimisation.</p>
<p>Jessica Wright</p> 	<p>Jessica Wright began her career as a liability broker in New Zealand. She most recently held the position of New Zealand Cyber Risk Practice Lead for Marsh before joining to Willis Towers Watson in Singapore in July 2017. Jessica worked closely with the New Zealand government and other key stakeholders including legal, IT security and consulting to develop cyber-risk awareness in the New Zealand market, and was responsible for Marsh's overall cyber strategy, overseeing cyber insurance and risk management solutions. Jessica has presented on cyber risk at a number of key industry events, including the New Zealand Law Society Cyber Law Conference, the In-House Lawyers Association of New Zealand Cyber Risk Conference, and the PARIMA Risk Conference in Bangkok 2018.</p>
<p>Radhey Shyam</p> 	<p>Radhey Shyam is the Director and Chief Operating Officer (IT) for AIG APAC Holdings Pte. Ltd. He has over 25 years of IT management experience, with strong exposure in managing people, technologies & IT business operations. In his current position, Radhey oversees IT Strategy, IT finance & investment management, IT services & solutions delivery and IT governance covering policy management, technology standards, security and broader risk management in support of APAC region. Radhey holds a Master's Degree in Business from Curtin University, Australia and a Degree in Commerce and Accounting from University of Madras, India.</p>



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<p>Dr. Kai-Lung Hui</p> 	<p>Dr. Kai-Lung Hui is a Chair Professor in the Department of Information Systems, Business Statistics, and Operations Management at the Hong Kong University of Science and Technology. His research interests include cybersecurity, privacy, IT policy, Fintech, and electronic commerce. Dr. Hui has provided expert advice and consulting services on copyright and digital piracy to various government and non-government organizations including the Intellectual Property Department of the Hong Kong SAR Government, World Intellectual Property Organization, and Ministry of Law of Singapore. He frequently speaks in conferences and forums on digital piracy, cybersecurity and privacy, Fintech, and technology policy. Dr. Hui has taught undergraduate, MSc, MBA, EMBA, PhD, and executive courses on cybersecurity and risk management, privacy management, Fintech, blockchain and cryptocurrencies, economics of IT, strategic IT management, and business strategy, among others.</p>
<p>Clarence Wong</p> 	<p>Clarence is the Chief Economist for Swiss Re in Asia. He is also the Asia Regional Head of Swiss Re Institute. He leads a team of researchers based in Hong Kong, Beijing and Bangalore to provide Swiss Re and other stakeholders with economic and insurance insights, as well as research on emerging risk landscape in Asia. At the same time, his team contributes to Swiss Re's sigma, the regular insurance industry report that is considered a "must-read" for anyone interested in the sector.</p> <p>Clarence joined Swiss Re in early 1999 as a senior economist in the former Economic Research and Consulting department. Prior to that, he spent nine years at HSBC's economic research department. Previously, he worked with Price Waterhouse in its management consulting arm, and in the R&D department of Hutchison Trading Ltd. Clarence has a Master degree in Economics from the University of Hong Kong.</p>
<p>Ram Garg</p> 	<p>Ram Garg is an Insurance and Reinsurance professional with a special focus on Specialty line such as D&O, Casualty, Cyber. He travels across the Asia region for business development and runs financial & casualty division out of Singapore. He is an experienced leader in specialty risk solution, as well as a mentor and experienced trainer. Ram regularly conducts seminars and workshops for clients on new products, underwriting, financial and casualty claim trends and marketing.</p>



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<p>Meiyang Guo</p> 	<p>Meiyang Guo graduated from Columbia University in the City of New York with a Master Degree in Actuarial Science. She also holds MBA from Singapore Management University. She started her career doing actuarial valuation with Reinsurance Group of America. She joined Synpulse Management Consulting at beginning of 2017, Meiyang is now the in-house topic expert of emerging risk. Her consulting experience includes digital transformation of insurers, strategic action planning and Agile Implementation of IT solution. She just received her recognition of Associate of the Society of Actuaries (ASA) in June 2018. Meiyang was art director for self-started fashion brand called May Zuri. Her book, "A mouthful of love", about food and relationship, was published in China in 2016.</p>
<p>Sie Liang Lau</p> 	<p>Sie Liang Lau is Senior Underwriter of UK Market, looking after long tail lines business as well as other initiatives including cyber, InsurTech and capital solutions. Sie Liang has over 18 years of diverse experience which includes business planning, financial reporting, capital management, product development and pricing, actuarial valuations and process reviews and merger and acquisition/management buy out due diligence. His projects have spanned many countries including UK and within the Asia Pacific region including Hong Kong, India, South Korea, Malaysia and Singapore. Prior to joining SCOR UK, Sie Liang held various positions as the Appointed Actuary at a Lloyd's Syndicate in London as well as a Chief Actuary position for SCOR, the Global Reinsurer for its Singapore operations. His responsibilities included all actuarial statutory reporting covering the Non Life business, capital management, reinsurance optimization as well as Solvency II related applications for the Syndicate.</p>
<p>Raymond Cheung</p> 	<p>Raymond Cheung is the Chief Strategy Officer of Symbo Platform Holdings where he advises the group on InsurTech business model, regulatory landscape, operational roadmap and execution plans in SEA. He brings over 17 years of general insurance experience. He has worked in consulting firm, direct insurance, reinsurance, rating agency, financial advisory firm and technology startup companies. His specialty includes business strategy with technology solutions, actuarial pricing & reserving, capital modeling, product development, merger & acquisition, credit ratings, Enterprise Risk Management (ERM), Risk-Based Capital and compliance advisory.</p> <p>Raymond is also the founder of BRCA Consultancy where he provides advisory and trainings for financial institutions in ERM, actuarial, RBC framework and corporate governance in Asia. He also acts as the adviser for 5 technology startups in Singapore, Hong Kong, Indonesia and Myanmar.</p>



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Registration Details

Date : 26th – 27th July 2018
Venue : ESSEC Asia-Pacific Campus
Level 1 Amphitheatre
2 One-North Gateway
Singapore 138502



By Train

ESSEC Asia-Pacific Campus is located at the corner of One-North Gateway and North Buona Vista Road. The nearest MRT stations are Circle Line: One-North Station (CC23) and Buona Vista Station (EW21/CC22). Available buses are: 74, 91, 92, 191, 196, 198, 200.



By Car or Taxi

Travel by AYE and turn off at Exit 8 to South Buona Vista Road. Turn right to North Buona Vista Road, keep right and turn right into Portsdown Road. Turn left into Nepal Park to reach the campus, located at the end of the road.



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Registration Fees

Category		Early Bird Registration (Payment by 18/07/2018)	Standard Registration (Valid from 19/07/2018 to 25/07/2018)
SAS Member	Fellow/Associate/Ordinary/Affiliate	SGD 600	SGD 700
	Student	SGD 25	SGD 25
SAS Non-Member		SGD 700	SGD 800

The registration fee includes attendance to all sessions. If two colleagues from the same firm wish to attend on different days, the higher registration fee plus an administration fee of SGD 50 is payable. Please register the first person online and email the name, SAS ID (if applicable) and email address for the second person to Ms Patsy Lau at patsy@actuaries.org.sg.

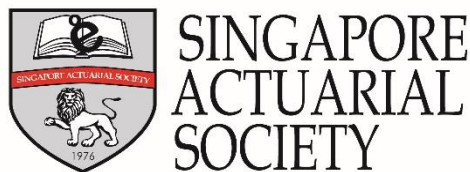
Full registration fees must be paid before the valid dates for conference admittance and to receive the early bird discount. Payment can be made via PayPal (subject to additional administrative fee of 4.25%), Bank Transfer, Local Cheque or Cash. Please note that all Bank/PayPal administrative and commission charges will be borne by the delegates.

Registration Process

Please register for this conference on the SAS website at www.actuaries.org.sg and complete the "Sign Up" details. As part of the registration process, please indicate which sessions and meals you are planning on attending. For SAS members, please login on the SAS website for the event registration. For any queries on the registration process, please contact Ms Patsy Lau at patsy@actuaries.org.sg.

Cancellation Policy

All cancellations should be made by sending an email to Ms Patsy Lau at patsy@actuaries.org.sg. An acknowledgement of the cancellation will be emailed to you. For cancellations made by the 18/07/2018, 50% of the conference fees will be refunded to you (less any bank administrative and commission charges). No refunds will be made for cancellations thereafter. The SAS reserves the right to cancel the conference if conditions warrant. In the event of such cancellation, registration fees will be refunded in full. We are not responsible for any airfares or hotel penalties that a delegate may incur due to such cancellation.



Continuing Professional Development (“CPD”)

This event can count towards CPD.

Attire

Business casual attire is recommended for this conference.

Financial Training Scheme (“FTS”) Eligibility – *Under application*

This programme is recognized under the FTS and is eligible for FTS claims subject to all eligibility criteria being met.

Please note that **in no way** does this represent an endorsement of the *quality* of the training provider and programme. Participants are advised to assess the suitability of the programme and its relevance to participants’ business activities or job roles.

The FTS is available to eligible entities based on the prevalent funding eligibility, quantum and caps. FTS claims may only be made for recognized programmes with specified validity period. Please refer to www.ibf.org.sg for more information.

Sponsors – *Pending from Monami*



SAS ERM - ESSEC CREAR Conference 2018



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DAY ONE – 26th July 2018

Time	Item	Speaker	Company	Topic
8:30	Registration & Welcome Coffee			
9:00		Dr. Marie Kratz	ESSEC Business School	Opening Address
9:10	Session 1A	Tommy Tan	Monetary Authority of Singapore	Keynote Address
9:55	Session 1B	Dr. Nir Kshetri	The University of North Carolina	Keynote Address
10:40	Morning Break			
11:00	Session 2A	Dr. Nona Pepito, Dr Parimal Bag	ESSEC Business School, National University of Singapore	Paradox of Terror Spending
11:30	Session 2B	Florian Pons	The French Institut des Actuaire	Cyber Risks & Big Data: From data breach to algorithms
12:00	Session 2 Q&A			
12:20	Lunch			
14:00	Session 3A	Patrick Menard, Sean Gunasekera	Ernst & Young	Cyber Risk Automation and Orchestration
14:30	Session 3B	Dr. Daniel Ventre	CESDIP	From Cyberattack Surface to Cyberattack Trajectories
15:00	Session 3 Q&A			
15:20	Afternoon Break			
15:40	Session 4A	Jessica Wright	Willis Towers Watson	Rising Risks of Cyber Threats
16:10	Session 4B	Radhey Shyam	AIG	Cyber Risk Management & Oversight through Effective IT Governance
16:40	Session 4 Q&A			
17:00	Session 5	Panel Discussion: How Insurance Industries, Academics and Regulators can join hands to counter cyber threats in Singapore		
18:00	Wrap Up			
18:30	Cocktail & Dinner at Da Paolo			
22:00	End of Day 1			

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SAS ERM - ESSEC CREAR Conference 2018



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DAY TWO – 27th July 2018

Time	Item	Speaker	Company	Topic
8:30	Registration & Welcome Coffee			
8:55		Raymond Cheung	Singapore Actuarial Society	Opening Address
9:00	Session 6A	Dr. Michel Dacorogna	Prime Re Solutions (Zurich)	Keynote Address: State of the Cyber Risk definition with the CRO-Forum
9:45	Session 6B	Dr. Kai-Lung Hui	Hong Kong University of Science and Technology	Keynote Address
10:30	Morning Break			
10:50	Session 7A	Dr. Mark Bentley	Risklab at Data61	Optimisation of Mitigations in a Multivariate Cyber Risk Model
11:20	Session 7B	Clarence Wong, Meiyang Guo	Swiss Re, Synpulse Management Consulting	Maturity Analysis for Emerging Risk—Using Cyber Risk as An Example
11:50	Session 7 Q&A			
12:10	Lunch			
13:40	Session 8A	Ram Garg	J B Boda & Co	Market & Demand Dynamics of Cyber Insurance Products
14:10	Session 8B	Jessica So, Keri Lee	Asia Marsh Risk Analytics	Cyber Risk Management Response and Recovery: Global Governance Insights
14:40	Session 8C	Sie Liang Lau	SCOR UK	Making sense of Cyber Risk
15:10	Session 8 Q&A			
15:30	Afternoon Break			
15:50	Session 9	Srinivas Bhoosarapu	Insurance Regulatory & Development Authority of India	Cyber Risk Workshop: Insurance Cyber Risks Regulations and Development of Mitigating Solutions
17:50		Dr. Marie Kratz	ESSEC Business School	Closing Address
18:00	End of Day 2			