

ABS | Executive Education

INNOVATING BANKING CYBERSECURITY IN A WORLD DISRUPTED BY ARTIFICIAL INTELLIGENCE

BY MATTHEW GARDINER

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Cybercrime's cost to the global economy in 2016 has been cited at \$450bn with Asian companies accounting for more than \$81bn. ASEAN has recently witnessed several high profile cyber-attacks including infrastructure attacks, denial-of-service attacks and other issues around the protection of data.

Cyber is business and business is cyber. More than 70% of banking and capital market CEOs identify cyber insecurity as a threat to their growth. Financial Services firms are now being hit by security incidents 300 times more frequently than businesses in other industries and 33% of all lure stage attacks target the financial services industry.

This 1-day programme will examine how banks' response to cybercrime has rapidly evolved from the focus on a single malicious agent, or single points of attack to pivotal innovations in machine learning and artificial intelligence commanding unprecedented and in some cases, unlimited budgets. Participants will learn how banks are designing emergent strategies to improve relentlessly, measured by costs, efficacy and reductions in risk. Both traditional attack methods and advanced emergent attack methods which model corporate hierarchies will also be learnt.

TRAINING METHODOLOGY

The programme features lecture discussions to introduce live cybersecurity data and concepts. These are complemented by experiential learning with threat and response mapping methodologies focused on measuring costs, efficacy and reducing risk. Participants will be able to develop an understanding of cyber security innovation whilst managing banks' regulatory compliance and investment risk in project based scenarios.

PROGRAMME OUTLINE

Morning Session

THREAT LANDSCAPE

- Profiles the cyber security threat landscape, reviewing global and regional cyber-attack trends in cyber-attacks in EMEA, APAC ASEAN & MENA
- Cyber risks to the banking sector arising from consumer led, context driven mobile first economies are assessed including public and private cloud, banking API infrastructures, payment infrastructures, consumer behaviour, counterparties and suppliers, and legacy systems
- After a study of recent prolific cyber-attacks considering banks, legislators and regulators responses, participants map a cyber-attack scenario deploying traditional and advanced persistent threats. They consider the attacks' impact on governance, review security practices, establish clear metrics and formulate a cyber-attack information sharing response.

Learning outcomes

- Threat landscape: Recognise current threat levels and distinguish the severity of emerging threats
- Measure operational discipline: Review security practices, patch, and control access points to network systems, applications, functions and data
- Test security effectiveness: Establish clear metrics. Use them to validate and improve security practices.

PARTICIPANT PROFILE

- Senior bankers in AML/CFT, treasury, strategy, compliance, risk, innovation & planning
- Regulatory compliance specialists
- Senior banking executives in IT Security, ICT Risk, Fraud Prevention, Business Continuity, ICT Architectures and Applications

Afternoon session

CYBER SECURITY INNOVATION

- Advances in security automation are analysed and their key benefits profiled including integrating diverse products, reducing detection-to-response time and raising the productivity of talented security engineers who constitute a scarce resource
- Cutting edge research and development in human led artificial intelligence defences are considered
- Advanced defensive capabilities to detect and counter evolving and mutating threats inside networks are detailed in a series of case studies from leading artificial intelligence labs
- Participants map a genuinely global level risk mitigation engagement recognising that, whilst banks have developed some of the most sophisticated risk mitigation capabilities, threats are evolving rapidly and often have international dimensions

Learning outcomes

- Security Automation: Identify reductions in detection-to-response time & increase cost efficiencies in deploying skilled engineers
- Innovation in human led artificial intelligence: Understand the key operating principles of emergent human led artificial intelligence defences. Monitor emergent global threats and the applications of technologies outside of the banking sector to banking cybersecurity.

ABOUT THE TRAINER



MATTHEW GARDINER

Founder of CatchLondon & Visiting Lecturer, Cass Business School, London

Matthew Gardiner is the founder of CatchLondon. He consults to banks, financial institutions, FinTechs, high growth technology businesses, corporations, 'Scale Ups' and VCs on blockchain, payments, compliance, risk, cyber security and data architectures. He is an incisive public speaker, up to the minute on developing emergent strategies with FinTech, Blockchain, AI, AR, VR, IoT, SaaS, DaaS, Cyber Security, Open Banking API, PSD2, MiFID II, InsurTech, EdTech and other emerging technologies including BioTech, AgriTech and PropTech.

Matthew has substantial networks in the UK, US, APAC and MENA spanning banks, FinTech companies, corporate VCs and insurers including Blockchain.com, Innovate Finance, the FCA's Regulatory Sandbox, Barclays, Lloyds, HSBC, State Street, Rise, Level 39, E&Y, PwC, Google Ventures, People's Bank of China, China Life, TenCent, Alibaba, PPMG, MPesa Transfer Wise, Revolut, Braintree, VocaLink, MoFo, Union Pay, Open Banking API and WC3. He is a mentor at FinTech accelerators in London, New York and Hong Kong. He sits on the Advisory Board of Lysis Financial, a regulatory advisory firm, speaks at CSFI FinTech events and is a contributor to The FinTech Book.

Matthew is a visiting lecturer at Cass Business School Executive Education where he has led programmes for C-Suite level banking, financial services and cyber security delegates with diverse portfolios from EMEA, APAC and MENA. He is scaling engagement with NGOs and tech companies in 27+ countries at Techfugees.com.

PROGRAMME DETAILS

Date : 15 March 2017
Time : 9:00 am – 5:00 pm
Venue : Asian Banking School

PROGRAMME FEE*

**MYR
5,000**

The cost of the programme includes lunch and other refreshments, as well as programme materials for one participant.

**inclusive of 6% GST*

To register for this programme, please visit the Executive Education page on our website at www.asianbankingschool.com/our-programmes/executive-education

ABOUT THE SCHOOL

At the Asian Banking School, we understand how impactful knowledge can be in transforming individuals, organisations and societies. By leveraging on the power of experience of senior industry practitioners as well as world-renowned academics from leading business schools in the world to deliver our programmes, we provide a learning environment for participants to gain real world knowledge to enhance their professional lives and make changes that matter in their organisations.

Through its sector-leading customised and open enrolment Executive Education programmes that are designed to be relevant, intensive and challenging, the School equips banks and its leaders with the right knowledge to take them up and move them forward. It also provides the opportunity for executives to share their experiences in a structured and intellectually stimulating environment, to learn from each other and ask the hard-hitting questions in a safe environment separate from their workplace.

The School develops and delivers relevant, practical and innovative learning development programmes for bankers at all levels through its suite of Executive Education, Public, In-House and Graduate Training Programmes, as well as its Professional Qualifications-related training workshops. It also provides a broad spectrum of consultancy services that are tailor-made to meet organizational needs and strategic objectives, and can range from a long term comprehensive education pathway programme to a short up-skilling class.

For training enquiries, please contact:

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