## AUSTRALIAN CYBER CONFERENCE 2019 Australian Government Australian Directorate | /\CSC Australian Cyber Security Centre







#### **Agenda**

#### **Register Now**

#### MONDAY, 7 OCTOBER

17.00 - 19.00 hrs

#### Early registration and welcome drinks

Collect conference pass and join social networking at the official welcome function

	Collect conference pass and join social networking at the official welcome function	
TUESDAY, 8 OCTOBER		
8.30 – 9.00 hrs	Official conference opens Welcome to country and opening remarks by ASD	
9.00 – 10.00 hrs	<b>Dr Karl Kruszelnicki</b> Julius Sumner Miller Fellow at Sydney University, author and media personality	KEYNOTE
10.10 – 10.50 hrs	Five eyes panel Representatives from the five eyes countries (USA, NZ, CA, AUS, UK)	GOVERNMENT
10.10 – 10.50 hrs	Applying lessons learned from cybersecurity incidents in oil and gas to other critical infrastructures Craig Morris, Associate Partner, IBM Security	INCIDENT MANAGMENT
10.10 – 10.50 hrs	How to ensure those developing your software are keeping you safe Tennessee Leeuwenburg, Head of Cyber Security Engineering, Bureau of Meteorology	AWARENESS
10.10 – 10.50hrs	After all this time and money, why are we not safer? Prof David Watts, Professor of Information Law and Policy at La Trobe University	BUSINESS & LEGAL
10.10 – 10.50hrs	Insights on proactive defence mechanism for IoT  Mengmeng Ge, Lecturer in Cyber and Networking Security, School of IT, Deakin University	RESEARCH
10.10 – 10.50 hrs	Overwatch offensive espionage tool Wayne Ronaldson, Penetration Tester	TECHNICAL
10.10 – 10.50 hrs	Trust, but verify – how to ensure your IT provider is doing your cyber security right! Brenton Johnson, founder of Uptake Digital	BUSINESS
10.10 – 10.50 hrs	Why is automation important and how do you incorporate automation into your enterprise cyber strategy Ganesha Rajanaidu, Security and Risk Services, Wipro	GOVERNANCE & RISK
10.10 – 10.50 hrs	Can we develop or achieve consensus in international law to address the challenges of cybersecurity?  Scott Ainslie, Regional Director Australia and New Zealand, FSISAC	LEGAL
10.10 – 10.50 hrs	From Chief Information Security Officer to hacker Magda Lilia Chelly, nominated as global leader of the year and CISO on demand	MANAGEMENT
10.10 – 10.50 hrs	Cyber-crime scene evidence management Graeme Edwards, 26 years in law enforcement, 15 of those as a detective investigating cybercrime	LAW ENFORCEMENT







10.10 – 10.50 hrs	Innovation Sandbox - hear the latest homegrown cybersecurity startups compete for the innovation sandbox crown!  Facilitator: Judy Anderson, CEO, Startup Victoria  Judging panel: Michelle Price, CEO of Auscyber. Kylie McDevitt, Director Emerging Technology and Engineering, ACSC. John Karabin, National Director, Cybersecurity Dimension Data, Alex Woerndle, Deputy Chair, AISA and Hugh Williams, Partner at Rampersand.	STARTUP
10.10 – 10.50 hrs	What I have learnt in 18 months as the Assistant CISO for the state of Victoria Shane Moffitt, Assistant CISO, State of Victoria	THINK TANK
10.10 – 10.50 hrs	Evolving the hunt – reducing attacker dwell time Wayne Tufek, Director of CyberRisk	THINK TANK
10.10 – 10.50 hrs	Cyber warfare session	CYBER WARFARE
10:50 – 11.20 hrs	Morning Tea	
11.20 – 12.00 hrs	Julie Inman Grant, eSafety Commissioner, Australian Government	AWARNESS
11.20 – 12.00 hrs	Premediation: the art of proactive remediation Matthew McWhirt, Senior Manager, Mandiant Security Transformation Services	INCIDENT MANAGMENT
11.20 – 12.00 hrs	The web is out to get you and there's nothing you can do about it Corch, founder, Shogun Cybersecurity	AWARENESS
11.20 – 12.00 hrs	Creating a path of most resistance: supporting a resilient Australian business community  Martha McKeen, Senior Manager, Cyber Outreach at Commonwealth Bank	BUSINESS
11.20 – 12.00 hrs	<b>DevSecOps - Placing people at the core of security strategies</b> Tanvi Bali, Security Specialist at Accenture Australia,	BUSINESS
11.20 – 12.00 hrs	Inside magecart: the card-skimming cybercriminal groups behind front-page breaches Aaron Mog, Strategic CISO at RiskIQ	TECHNICAL
11.20 – 12.00 hrs	Security on a shoestring – how to deploy effective security expeditiously Ashwin Pal, CISO APAC, Unisys	BUSINESS
11.20 – 12.00 hrs	Our new cyber frontier - protecting Australia's national identity and the evidence of who we are Anne Lyons, ASPI Fellow and former CIO and Assistant Director-General	GOVERNANCE & RISK
11.20 – 12.00 hrs	Jacinta Thomson Security Management and Assurance Directorate, Director Security Management and Assurance	LEGAL
11.20 – 12.00 hrs	Process vs nuclear meltdown: workspaces that prevent accidents and enable new employees  Aaron Call, Chief Information Security Officer, US State of Minnesota	MANAGEMENT
11.20 – 12.00 hrs	ACSC speaker	ACSC







11.20 – 12.00 hrs	CISO Panel: How start-ups should work with corporates - keep their attention and deliver results they want Facilitator: Susie Jones, CEO at Cynch Security Panel: Craig Templeton, CISO, REA. Kristin Lyons, CISO, Australia Post and Berin Lautenbach, Chief Information Security Officer Asia-Pacific, Telstra.	STARTUP
11.20 – 12.00 hrs	Regulating AI: ethics or politics? Iyad Rahwan, Associate Professor, MIT	THINK TANK
11.20 – 12.00 hrs	How I did (almost) everything wrong and still work in security: addressing the cyber skills shortage with non-linear career paths Sarah Young, Cloud Security and Compliance Specialist Microsoft	THINK TANK
11.20 – 12.00 hrs	Cyber warfare session	CYBER WARFARE
12.10 – 12.50 hrs	The golden age of surveillance Thomas Drake, former senior executive of the U.S. National Security Agency	PRIVACY
12.10 – 12.50 hrs	Lessons from a breach Andrea Di Fabio, CISO and Associate CIO at East Tennessee State University	INCIDENT MANAGMENT
12.10 – 12.50 hrs	Cyber security awareness – you're doing it wrong! Chirag Joshi, Senior Manager, Cyber Risk Governance at Origin Energy	AWARENESS
12.10 – 12.50 hrs	Cyber security training - make it stick!  Marie Mitchell, Training & Content Development Officer at One IT Services	BUSINESS
12.10 – 12.50 hrs	How resilient is the Mac OSX to cyber-attacks? Arni Hardarson, Technical Director, PS+C Security	TECHNICAL
12.10 – 12.50 hrs	Security architecture – building the CISO-SecOps bridge Nigel Hedges, Information Security Manager at CPA Australia	BUSINESS
12.10 – 12.50 hrs	How exactly can CIO's mitigate cyber risk? Theo Nassiokas, CISO at Barclays International	MANAGEMENT & RISK
12.10 – 12.50 hrs	<b>Cyber in the boardroom</b> Michael do Rozario & Phil Catania, Partners (Litigation & Cyber, IT & IP), Corrs Chambers Westgarth	LEGAL
12.10 – 12.50 hrs	Overcoming barriers to indigenous diversity and inclusion in ICT security in Australia Phillip Jenkinson, CEO and Co-founder at Baidam Solutions	MANAGEMENT
12.10 – 12.50 hrs	ACSC speaker	ACSC
12.10 – 12.50 hrs	The missing pieces holding back the Australian cyber startup community - what is needed and how we can fix it Facilitator: Kirstin McIntosh, Head of Partnerships, CyRise Panel: Jeff Paine, Founder & CEO, ResponSight. Prerana Mehta, Chief of Ecosystem Development, AustCyber	STARTUP
12.10 – 12.50 hrs	Privacy of personal data: not just a security story! Nicole Stephensen, Principal Consultant at Ground Up Consulting	THINK TANK







12.10 – 12.50 hrs	Cyber warfare session	CYBER WARFARE
12.50 -13.40 hrs	Lunch and book signing	
13.40 – 14.20 hrs	The moral machine experiment Iyad Rahwan, Associate Professor at MIT	ETHICS (AI)
13.40 – 14.20 hrs	A frog riding a bicycle: people and culture as the source of resilience and adaptability in information security  Dr David Schmidtchen, Executive Director, People and Organisational Development at Synergy Group Australia	AWARENESS
13.40 – 14.20 hrs	Humans in crisis – the undervalued consideration of human behaviour during security incidents David Simpson, Managing Director & Founder at CQR	INCIDENT MANAGMENT
13.40 – 14.20 hrs	Securing the leadership pipeline Alex Nixon, Senior Security Advisor at Enex	AWARNESS
13.40 – 14.20 hrs	Rediscovering DNS attacks Edward Farrell, Director & Principal Consultant at Mercury Information Security Services	TECHNICAL
13.40 – 14.20 hrs	Internet luring, abduction, recovery, and reunification: a survivor's perspective Alicia Kozakiewicz, The Alicia Project	SAFETY
13.40 – 14.20 hrs	APRA CPS 234 readiness program Denny Wan, Principal Consultant at Security Express	GOVERNANCE & RISK
13.40 – 14.20 hrs	Cyber-Insurance - the existential battle for its future: the latest on the Mondelez v Zurich Insurance court case Dr John Selby, Macquarie University in the Faculty of Business and Economics	LEGAL
13.40 – 14.20 hrs	Seven powerful yet little known tips to build a winning cyber resilience strategy Andrew Bycroft, CEO, International Cyber Resilience Institute	MANAGEMENT
13.40 – 14.20 hrs	Securing a Proof of Concept (PoC) for your startup - get the CISO and startup view Facilitator: Omaru Maruatona, CEO & Founder, Aiculus Panel: Samantha MacLeod, CISO, AGL. Vaughan Shanks, CEO & Founder, Cydarm Technologies	STARTUP
13.40 – 14.20 hrs	Cyber security influence in the boardroom – moving from being a service provider to trusted adviser Jonathon Morse, Senior Partner, Korn Ferry	THINK TANK
13.40 – 14.20 hrs	Cyber warfare session	CYBER WARFARE
14.25 – 15.05 hrs	Lessons from the field: Vulnerabilities in credentials & how to fix them Paula Januszkiewic, CEO, Security Expert	TECHNICAL
14.25 – 15.05 hrs	How to lose a container in 10 minutes Sarah Young, Cloud Security and Compliance Specialist Microsoft	TECHNICAL
14.25 – 15.05 hrs	Fighting against child abuse through large-scale source-oriented image clustering Xufeng Lin, Research Fellow of the School of Information Technology, Deakin University	RESEARCH

#### AUSTRALIAN CYBER CONFERENCE 2019 Australian Government Australian Signals Directorate Australian Signals Directorate







14.25 – 15.05 hrs	Information security adaptation of the CARTA method Phoram Mehta, Head of Information Security PayPal Asia-Pacific	GOVERNANCE & RISK
14.25 – 15.05 hrs	Privacy as a competitive differentiator  R. Jason Cronk, Author, Privacy and Trust Consultant and Nicole Stephensen, Privacy  Expert Ground Up Consulting	PRIVACY
14.25 – 15.05 hrs	Detecting infected internet-of-things (IoT) devices to prevent distributed denial of service (DDoS) attacks  Dr Sarah Erfani, lecturer in the School of Computing and Information Systems at The University of Melbourne	RESEARCH
14.25 – 15.05 hrs	ACSC speaker	ACSC
14.25 – 15.05 hrs	Data governance – an essential foundation to good cyber security practice Kate Carruthers, Chief Data & Insights Officer for UNSW Sydney	GOVERNANCE & RISK
14.25 – 15.05 hrs	Developing cyber security skills in Australian classrooms Associate Professor James Curran, Academic Director of the Australian Computing Academy	THINK TANK
14.25 – 15.05 hrs	Cyber warfare session	CYBER WARFARE
15.10 – 15.50 hrs	Establishing supply chain risk management - the HBF case study Andrew Bullen, Cyber Governance & Assurance, HBF Health Limited	GOVERNANCE & RISK
15.10 – 15.50 hrs	Social loafing: why good people breach security & what to do about it Professor Debi Ashenden, Professor of Cyber Security in the School of Computing at the University of Portsmouth in the UK	AWARENESS
15.10 – 15.50 hrs	A layered approach for securing operational technology – organisation, skills, trust and technology to secure OT networks  Paresh Kerai, Technical Manager Cybersecurity at Sapien Cyber	CRITICAL INFRA.
15.10 – 15.50 hrs	Technology disrupting the child sex trafficking industry Annette Peploe, Cyber Security Student plus Corporate and School Chaplain	AWARNESS
15.10 – 15.50 hrs	Software security in the presence of faults Peter Gutmann, Researcher in the Department of Computer Science at the University of Auckland	TECHNICAL
15.10 – 15.50 hrs	Widely expanding anonymous tipping technology: 9 NGOs, 11 countries and 250 secure anonymous digital dropboxes  Dr Suelette Dreyfus, Academic Specialist, School of Computing and Information Systems, University of Melbourne	PRIVACY
15.10 – 15.50 hrs	<b>Developing a practical cyber security strategy for your organisation</b> Ian McKenzie, CISO for the Australian Parliament	MANAGEMENT
15.10 – 15.50 hrs	Respond before incident, intelligence-driven proactive threat hunting case-study from Taiwan Sung-ting Tsai, CEO of TeamT5	INCIDENT MANAGMENT

# AUSTRALIAN CYBER CONFERENCE 2019 Australian Government Australian Signals Directorate Australian Information Security Association







15.10 – 15.50 hrs	Finding new indicators of compromise through AI analysis of user-generated content  Holly Wright - Software Engineer, IBM Security and Dale Bowie - QRadar Flows Product Owner, IBM Security	TECHNICAL
15.10 – 15.50 hrs	ACSC speaker	ACSC
15.10 – 15.50 hrs	Unified management system for asset management and cybersecurity Gijo Varghese - Governance, Risk and Information Security Leader	GOVERNANCE & RISK
15.10 – 15.50 hrs	Help us teach cyber security skills in Australian schools Bruce Fuda, Computing Education Specialist at the Australian Computing Academy	THINK TANK
15.10 – 15.50 hrs	Sino-europen aspects of cyber security (our warning as a cyber watchdog and the global challenges we face)  Daniel Bagge, Cyber Attaché to the USA and Canada, former Director of Cyber Security Policies, National Cyber and Information Security Agency of the Czech Republic	GOVERNMENT
15.10 – 15.50 hrs	Cyber warfare session	CYBER WARFARE
15:50 – 16.10 hrs	Afternoon Tea	
16.10 – 17.40 hrs	Kevin Mitnick Information technology consultant and author	KEYNOTE
17.40 – 19.00 hrs	Social Event Drinks and Networking	
19.15 – 23.00 hrs	Social Event "Bloc Party" (Gold registration package only)	

WEDNESDAY, 9 OCTOBER		
8.30 – 9.00 hrs	Official conference opens Welcome to country and acknowledgement and open by Minister	
9.00 – 9.55 hrs	Bruce Schneier Internationally renowned security technologist and author	KEYNOTE
10.00 – 10.40 hrs	Trends in IT Security Cam Wayland, Director at Channel Dynamics Pty Ltd	BUSINESS
10.00 – 10.40 hrs	The care and feeding of your privacy experts Kasey Chappelle, Data Protection Officer for GoCardless	PRIVACY
10.00 – 10.40 hrs	We need to talk about red teaming Troy Defty, Principal Security Consultant at Prue Hacking	
10.00 – 10.40 hrs	An introduction to drone security Mike Monnik, Managing Consultant at DroneSec	TECHNICAL
10.00 – 10.40 hrs	How to humanise the way we talk about cyber for greater influence and impact Oliva Grandjean-Thompson, Communication and Engagement Manager at AustCyber	BUSINESS







10.00 – 10.40 hrs	Why doesn't my boss get it? Gary Gaskell, Specialist at Infosec Services	CULTURE & BEHAVIOUR
10.00 – 10.40 hrs	Leaders and managers: a practising lawyer's advice on what you actually need to do so you can sleep at night Robert Kerr, Partner, Addisons	THINK TANK
10.00 – 10.40 hrs	Cautionary tales and community defence Gyle dela Cruz, Technical Instructor	AWARENESS
10.00 – 10.40 hrs	Cyber warfare session	CYBER WARFARE
10.40 – 11.00 hrs	Morning Tea	
11.00 – 11.40 hrs	<b>Open Mic</b> Brian Krebs - Investigative Reporter and Damien Manuel (moderator)	INTERACTIVE
11.00 – 11.40 hrs	Responding to the supply chain cyber risk dilemma  Ben Di Marco - Cyber Specialist ANZ, Willis Towers Watson, Georgina Crundell - Cyber Security, EY, Timothee Grange - APAC Managing Director, GM Consultant and John Karabin - National Director Cyber Security, Dimension Data	PANEL
11.00 – 11.40 hrs	Barriers to entry and beyond Karina Bader, Research Analyst for the Materials (Resources) & Energy sectors at Specialist Fund Manager Acorn Capital	RESEARCH
11.00 – 11.40 hrs	Preparing for systems of record in the cloud Wayne Bozza, Head of Security NIB Group and Matthew Finch, Head of Emerging Tech, NIB Group	CRITICAL INFRA.
11.00 – 11.40 hrs	Black or white hat: Navigating legal issues in information security  Melissa Wingard, Regional Divisional Counsel & Contracts Manager – APAC	LEGAL
11.00 – 11.40 hrs	Cyber duty of care for legal practitioners and the businesses they advise EJ Wise, Principal at Wiselaw	LEGAL
11.00 – 11.40 hrs	VR rocks the SOC: a next-gen view of security operations Chris Hockings - CTO for IBM Security Australia and New Zealand and Jared Hayward - Software Engineer for IBM Security specialising	THINK TANK
11.00 – 11.40 hrs	The end of random - quantifying risk to end uncertainty Bryan Sartin, Executive Director, Global Security Services, Verizon	THINK TANK
11.00 – 11.40 hrs	Cyber warfare session	CYBER WARFARE
11.50 – 12.30 hrs	<b>Open Mic</b> Bruce Schneier and Damien Manuel (moderator)	INTERACTIVE

#### AUSTRALIAN CYBER CONFERENCE 2019 Australian Government Australian Signals Directorate / CSC Australian Information Cyber Security Center Center Center Conference Center C







11.50 – 12.30 hrs	How do you talk to your board about cybersecurity? An old problem in a new world Jinan Budge, former Director Cyber Strategy, Engagement Governance Transport for NSW, now at Forrester	BUSINESS
11.50 – 12.30 hrs	What if we are doing cybersecurity all wrong? Richard Bird, Chief Customer Information Officer, Ping Identity	AWARENESS
11.50 – 12.30 hrs	It's Hammertime: SQL Injection for beginners Brigitte Lewis, Penetration Tester / Ethical Hacker at Deloitte / W0m3nWhoHackM3lb0urn3	TECHNICAL
11.50 – 12.30 hrs	Bots down under: exploring Australia's preparedness to defend against credential abuse attacks Nick Rieniets, CTO at Kasada	TECHNICAL & RESEARCH
11.50 – 12.30 hrs	You've been breached, now what? Ben Verschaeren, Global Solutions Engineer Sophos	THINK TANK
11.50 – 12.30 hrs	Cyber warfare session	CYBER WARFARE
12.30 -13.20 hrs	Lunch and Book signing	
13.20 – 14.00 hrs	Panel - IoT and OT security - now and beyond – A perspective from utilities and mining industries  Abbas Kudrati – Chief Cyber Security Officer Microsoft, Professor Jill Slay - La Trobe University, Matt Tett - Managing Director of Enex TestLab and chair of IoT Alliance Australia (IoTAA), Tim Daly - Chief Security Officer AEMO and Babu Srinivas - Global Head, Cyber Competency & Digital Trust at BHP	CRITICAL INFRA.
13.20 – 14.00 hrs	Identifying source devices of images and videos by analysing device fingerprints left in the content Prof Chang – Tsun Li, Professor of Cyber Security & Research Director at Deakin University	RESEARCH
13.20 – 14.00 hrs	How Australia's new encryption law will impact the technology industry in Australia Ted Ringrose, Partner at Ringrose Siganto	GOVERNANCE, RISK & PRIVACY
13.20 – 14.00 hrs	Risky business: Improving security through risk based decision making Shannon Campbell, Security Specialist	BUSINESS
13.20 – 14.00 hrs	Accelerating cybersecurity strategy through behaviour and culture Nadia Baunin, Organisational Psychologist and Ambika Aggarwal, Cyber Security Consultant at Pricewaterhouse Coopers	CULTURE & BEHAVIOUR
13.20 – 14.00 hrs	Cybersecurity for software in network-connected devices: high assurance practices for mitigating IoT risks  Joe Jarzombek, Director for Government, Aerospace & Defence Programs in Synopsys	THINK TANK
13.20 – 14.00 hrs	Cyber warfare session	CYBER WARFARE
14.05 – 15.05 hrs	Top 10 ways to make hackers excited: All about the shortcuts not worth taking Paula Januszkiewicz, CEO, security expert	KEYNOTE

# AUSTRALIAN CYBER CONFERENCE 2019 Australian Government Australian Signals Directorate Australian Information Security Association







15:05 – 15.30 hrs	Afternoon Tea	
15.30 – 16.30 hrs	James O'Loghlin Broadcaster, author and innovation expert	KEYNOTE
16.30 – 17.30 hrs	Tammy Moskites Managing Director, Accenture Security	KEYNOTE
17.30 – 17.35 hrs	Conference Close	







#### **Training/Workshops**

10.00 - 12.30 hrs

MONDAY, 7 OCTOR	MONDAY, 7 OCTOBER		
9.30 – 17.00 hrs	SANS Training		
9.30 – 17.00 hrs	ACSC Session		
TUESDAY, 8 OCTOE	3ER		
10.10 – 16.10 hrs	SANS Training		
10.10 – 12.50 hrs	Office 365 Security: Top Priorities for 30 Days, 90 Days and Beyond Abbas Kudrati and Mark Simos		
10.10 – 12.50 hrs	How to test your cyber startup idea without building a thing - an interactive introduction to lean startup theory  Scott Handsaker, CEO, CyRise		
10.10 – 10.50 hrs	Applying the Telecommunications and Other legislation (Assistance and Access) Act Phil Magness and Michael Do Rozario, Corrs Chambers Westgarth		
11.20 – 12.00 hrs	Legal Training - Applying Australian Privacy law and GDPR Arvind Dixit, Corrs Chambers Westgarth		
12.10 – 12.50 hrs	Standards and regulation in ethics and AI technologies Greg Adamson, University of Melbourne		
13.40 – 14.20 hrs	Legal Training – How Blockchain is changing the legal landscape of everyday business Laura Spencer, Sladen Legal		
13.40 – 16.10 hrs	PwC Game of Threats		
13.40 – 15.50 hrs	How to test your cyber startup idea without building a thing - an interactive introduction to learn startup theory  Scott Handsaker, CEO, CyRise		
14.25 – 15.05 hrs	<b>Legal Training - Cloud Services: how to play with your commercial and legal folks</b> Paul Gray, Sladen Legal		
15.10 – 15.50 hrs	Legal Training - How to view ethics when the 'Law-Information-Security' gloves are off Fabian Horton, Law Institute of Victoria		
WEDNESDAY, 9 OC	TOBER		
10.00 – 14.00 hrs	ACSC Session		

**Cloud CTF: Identifying and Resolving Attacks in Azure**