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|-------------------|---|---|--|
| Time              | Level 1 Foyer   |   |  |
| 8.00–8.30 am      | Registration  |   |  |
| Time              | Grand Ballroom  |   |  |
| 8.30–9.15 am      | <p><b>Conference opening and Welcome to Country</b> <i>Dr Rick Brown, Australian Institute of Criminology and Jellurgal Aboriginal Cultural Centre</i></p> <p><b>Opening speech</b> <i>Minister for Justice, the Hon Michael Keenan MP</i></p> <p><b>Welcome speech</b> <i>Paul Williams, Australian Criminal Intelligence Commission</i></p> |   |  |
| 9.15–10.00 am     | <p><b>Cybercrime: Focusing on the fundamentals</b> <i>Dr Tobias Feakin, Australian Ambassador for Cyber Affairs</i></p>   |   |  |
| 10.00–10.15 am    | Morning tea   |   |  |
| Time              | Grand Ballroom  |   |  |
| 10.15–11.00 am    | <p><b>The next wave of technology and its use in fighting crime</b> <i>Professor Hugh Bradlow, Chief Scientist, Telstra Corporation</i></p>   |   |  |
| Time              | Grand Ballroom  | Paradise Room 1   | Paradise Room 2  |
| 11.00 am–12.30 pm | <b>Cyber intelligence and security</b>  | <b>International cybercrime trends</b>  | <b>Financial cybercrime</b>  |
| Chair             | Dr Laurie Lau, APATAS   | Dr Monique Mann, QUT  | Dr Cassandra Cross, QUT  |
| 11.00 am–11.20 am | <p>Cyber threat intelligence information sharing</p> <p><i>Edilson Arenas, CQ University</i></p>  | <p>Cybercrime and cyber security in ASEAN</p> <p><i>Lennon Y.C. Chang, Monash University</i></p>  | <p>Virtual currency and cybercrime</p> <p><i>Tala Stevens, Australian Criminal Intelligence Commission</i></p>   |
| 11.20 am–11.40 am | <p>Measuring information security readiness in a distributed cloud environment</p> <p><i>Champake Mendis, Charles Sturt University</i></p>  | <p>Situations of cybercrime and the corresponding social responses in modern China: Learning from Western experiences</p> <p><i>Hua Zhong, The Chinese University of Hong Kong</i></p>        | <p>Information technologies and fraud risks for the Commonwealth</p> <p><i>Penelope Jorna, Australian Institute of Criminology</i></p>                             |
| 11.40 am–12.00 pm | <p>Text thermal alert model: Analysis of twitter lingo for privacy leaks and tweet regrets</p> <p><i>Karthika Subbaraj, SSN College of Engineering, India</i></p>   | <p>Cybercrime: Awareness and mitigation policies in Ghana</p> <p><i>Kolog Solomon Polpiem, Nanjing University of Science and Technology, China</i></p>  | <p>The knowing-doing gap: Is knowledge enough to prevent cyber-fraud victimisation?</p> <p><i>Jacqueline Drew, Griffith University</i></p>                         |
| 12.00–12.20 pm    | <p>Integrating 'self-efficacy' into a gamified approach to thwart phishing attacks</p> <p><i>Nalin Asanka Gamagedara Arachchilage, Australian Centre for Cyber Security</i></p>   | <p>A research study concerning applicability of law on cyber bullying among law students: The case of Indonesia</p> <p><i>Antonius Wibowo, Atma Jaya Catholic University of Indonesia</i></p> | <p>The future of information security in the digital economy</p> <p><i>Ivano Bongiovanni and Paula Dootson, QUT</i></p>  |
| 12.30–1.15 pm     | Lunch   |   |  |
| Time              | Grand Ballroom  |   |  |
| 1.15–2.00 pm      | <p><b>Big data analytics for cyber security</b> <i>Professor Janet Chan, University of New South Wales</i></p>  |   |  |
| Chair             | <i>Professor Rick Sarre, University of South Australia</i>  |   |  |
| Time              | Grand Ballroom  | Paradise Room 1   | Paradise Room 2  |
| 2.00–3.30 pm      | <b>Technologies of prevention</b>   | <b>Identity crime</b>   | <b>Online sexual exploitation</b>  |
| Chair             | Dr Laurie Lau, APATAS   | Penny Jorna, Australian Institute of Criminology  | Dr Monique Mann, Queensland University of Technology   |
| 2.00–2.30 pm      | <p>Localization of automobiles in urban environment using machine intelligence techniques for prevention of car hacking and cybercrime</p> <p><i>Ashwani Kumar, Sant Longowal Institute of Engineering and Technology, India</i></p>  | <p>The double-edged sword of identity misuse in cyberspace</p> <p><i>Russell Smith, Australian Institute of Criminology</i></p>   | <p>Behind the screen: Online child exploitation in Australia</p> <p><i>Indika Chandrasekera and Elizabeth Sheridan, Anti-Slavery Australia</i></p>                 |
| 2.30–3.00 pm      | <p>Bring your own awareness through practicing educational mobile gaming</p> <p><i>Khulood Al Zaabi, American University in the Emirates, UAE</i></p>   | <p>Identity theft and mobile phone portability: A failure of regulatory responses</p> <p><i>Terry Goldsworthy, Bond University</i></p>  | <p>Not just 'revenge': the nature and correlates of image-based sexual abuse perpetration by Australian adults</p> <p><i>Anastasia Powell, RMIT University</i></p> |
| 3.00–3.30 pm      | <p>Development of ICS Honeynet for cyber tagout in critical infrastructure</p> <p><i>Shoya Kojima, Nagoya Institute of Technology, Japan</i></p>  | <p>Identity, blockchain and cybercrime</p> <p><i>Greg Adamson, IEEE</i></p>   | <p>Young adults' perceptions of, and engagement with, online pornographic material in Australia</p> <p><i>Sarah Brown, Coventry University, United Kingdom</i></p> |
| 3.30–3.45 pm      | Afternoon Tea   |   |  |
| Time              | Grand Ballroom  |   |  |
| 3.45–4.30 pm      | <p><b>Combating malicious cyber activity: The approach of CERT Australia</b> <i>Dr Ewan Ward, CERT Australia</i></p>  |   |  |
| Chair             | <i>Dr Rick Brown, Australian Institute of Criminology</i>   |   |  |



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| <b>4.30–6.00 pm</b>  | <b>Community panel and closing remarks</b>   |  |
| Chair                | <i>Professor Roderic Broadhurst, Australian National University</i>  |  |
|                      | <i>Michelle Price, Australian Cyber Security Growth Network</i><br><i>Tala Stevens, Australian Criminal Intelligence Commission</i><br><i>Professor Jonathan Clough, Monash University</i><br><i>Professor David Wall, University of Leeds</i><br><i>Dr Russell Smith, Australian Institute of Criminology</i><br><i>Dr Christy Chiang, National Taipei University of Technology</i> | Topic 1 - Achieving collaboration between researchers, policy makers and technologists<br>Topic 2 - Coordinating reporting<br>Topic 3 - Target hardening for prevention through software and hardware design<br>Topic 4 - Preventing re-victimisation and supporting victims of cybercrime |
| <b>Time</b>          | <b>Broadbeach Room</b>   |  |
| <b>6.30–10.00 pm</b> | <b>Networking drinks and conference dinner</b>   |  |
|                      | <b>Cyber, intelligence and the state—an unsettled triad</b> <i>Professor Roger Bradbury, National Security College</i>   |  |

## DAY 2

### Tuesday 18 July

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|--------------------------|--|--|---|
| <b>Time</b>              | <b>Grand Ballroom</b>  |  |   |
| <b>8.30–8.45 am</b>      | <b>Day 2 opening remarks</b> <i>Dr Laurie Lau, Asia Pacific Association of Technology and Society</i>  |  |   |
| <b>8.45–9.30 am</b>      | <b>Detecting and preventing mass-marketing fraud: An interdisciplinary approach</b> <i>Professor Monica Whitty, University of Warwick, United Kingdom</i>                  |  |   |
| <b>9.30–10.15 am</b>     | <b>The art of the possible: What can we learn from successful cybercrime prosecutions?</b> <i>Professor Jonathan Clough, Monash University</i>                             |  |   |
| <b>10.15–10.30 am</b>    | <b>Morning tea</b>   |  |   |
| <b>Time</b>              | <b>Grand Ballroom</b>  | <b>Paradise Room 1</b>   | <b>Paradise Room 2</b>  |
| <b>10.30 am–12.00 pm</b> | <b>Forensic analysis</b>   | <b>Cyber laws and cyber cases</b>  | <b>Policing in cybercrime</b>   |
| Chair                    | Dr Greg Adamson, IEEE  | Dr Russell Smith, Australian Institute of Criminology  | Dr Cassandra Cross, Queensland University of Technology   |
| 10.30 am–11.00 am        | <b>Deep sea fishing: Malicious URLs detection using deep learning</b><br><br><i>Mamoun Alazab, Macquarie University</i>  | <b>The future of intellectual property in the world of artificial intelligence and robots</b><br><br><i>Hedi Nasheri, Kent State, USA</i>              | <b>Australian police and cybercrime</b><br><br><i>Rick Sarre, University of South Australia</i>   |
| 11.00–11.30 am           | <b>Android mobile forensics for files system</b><br><br><i>Aiman Al-Sabaawi, QUT</i>   | <b>Characteristics of cybercrimes: Evidence from Chinese judgement documents</b><br><br><i>Tianji Cai, University of Macau</i>                         | <b>The development of specialist police cybercrime units: What is best practice for combating cybercrime?</b><br><br><i>Chad Whelan</i>         |
| 11.30 am–12.00 pm        | <b>Recurrent Neural Network (RNN) base computational model for cyber attack detection</b><br><br><i>Teik-Toe Teoh, Singapore University of Technology and Design</i>       | <b>From the cyber to the 3D printer: Darknet design files and 3D printed firearms</b><br><br><i>Angela Daly, QUT</i>                                   | <b>The Playpen Cases: Computer network operations and extraterritorial criminal law enforcement</b><br><br><i>Ian Warren, Deakin University</i> |
| <b>12.00–12.45 pm</b>    | <b>Lunch</b>   |  |   |
| <b>Time</b>              | <b>Grand Ballroom</b>  | <b>Paradise Room 1</b>   | <b>Paradise Room 2</b>  |
| <b>12.45–1.30 pm</b>     | <b>Conceptualising cybercrime today: Happy birthday internet, you are 25</b> <i>Professor David Wall, University of Leeds, United Kingdom</i>                              |  |   |
| Chair                    | <i>Dr Lennon Chang, Monash University</i>  |  |   |
| <b>Time</b>              | <b>Grand Ballroom</b>  | <b>Paradise Room 1</b>   | <b>Paradise Room 2</b>  |
| <b>1.30–3.00 pm</b>      | <b>Emerging cyber risks</b>  | <b>Threats to organisations</b>  | <b>Collaborative responses to cybercrime</b>  |
| Chair                    | Dr Lennon Chang, Monash University   | Dr Ian Warren, Deakin University   | Professor Rick Sarre, University of South Australia   |
| 1.30–2.00 pm             | <b>Artificial intelligences and robotics in 2030s 'Social technologies': A possible scenario and the challenges to society</b><br><br><i>Laurie Lau, APATAS, Hong Kong</i> | <b>The dangers to data protection Insider triggered: An empirical study</b><br><br><i>Ravi Thodla, S.R.M University, India</i>                         | <b>The motivations and challenges of reporting online fraud to the 'fraud justice network'</b><br><br><i>Cassandra Cross, QUT</i>               |
| 2.00–2.30 pm             | <b>Profiling security and privacy threats for smart-home IoT devices</b><br><br><i>Hassan Habibi Gharakheili, University of New South Wales</i>                            | <b>Malware in the WA State Government</b><br><br><i>Peter Bouhla, Office of the Auditor General</i>  | <b>Collaborative responses to cyber terrorism</b><br><br><i>Roderick Broadhurst, Australian National University</i>                             |
| 2.30–3.00 pm             | <b>Integrity orientated clustering of IoT system</b><br><br><i>Hideyuki Shintani, Nagoya Institute of Technology, Japan</i>  | <b>Investigations of cyber security practices in academic institutions</b><br><br><i>Anurag Jain, Guru Gobind Singh Indraprastha University, India</i> | <b>Transnational online crime, extradition and human rights: An analysis of US-UK cases for cyber offending</b><br><br><i>Monique Mann, QUT</i> |
| <b>3.00–3.15 pm</b>      | <b>Afternoon tea</b>   |  |   |
| <b>Time</b>              | <b>Grand Ballroom</b>  |  |   |
| <b>3.15–3.45 pm</b>      | <b>Covert policing in the digital age</b> <i>Professor Peter Grabosky, Australian National University</i>  |  |   |
| Chair                    | <i>Professor Hedi Nasheri, Kent State University, USA</i>  |  |   |
| <b>3.45–4.00 pm</b>      | <b>Closing remarks</b> <i>Dr Rick Brown, Australian Institute of Criminology and Dr Laurie Lau, Asia Pacific Association of Technology and Society</i>                     |  |   |