

	Thursday 31 August Day 1		
08:15	Drone Expo open Exhibition Hall 1		
09:00	ROOM: GREAT HALL 4 THE WORLD OF DRONES Congress Opening and Welcome 900 Welcome to The World of Drones Congress Mr Ashley Gordon, World of Drones Congress 905 Official Congress Opening The Honourable Annastacia Palaszczuk MP 915 Congress Opening and Welcome Dr Catherine Ball, Remote Research Ranges (Aus)		
09:30	KEYNOTE The World of Drones <i>Thomas Frey, DaVinci Institute (USA)</i> MC: Dr Catherine Ball, Remote Research Ranges (Aus)		
10:00	Panel: The New Global Drone Economy <i>Thomas Frey, DaVinci Institute (USA), A/Prof Felipe Gonzalez, Queensland University of Technology (Aus), Andra Keay, Silicon Valley Robotics (USA), Her Excellency Menna Rawlings CMG, British High Commission (UK), Mark Sowerby, Blue Sky (Australia)</i> MC: Kylie Walker, National Research and Innovation Alliance		
11:00	EXPO & Morning tea		
11:40	Concurrent Session DRONE INVESTMENT, TRAINING & EMPLOYMENT		
	ROOM: GREAT HALL 4 The Global Drone Economy MC: Ray Weekes, CEO Institute	ROOM: M1 Drone Investment & Venture Capital MC: Mark Sowerby, Blue Sky	ROOM: M2 New Jobs & Training for Drones MC: Dr Rowan Brookes, Monash University
	1140 How DJI crushed the consumer drone industry, and the rivals that could still take flight <i>Sally French, The Drone Girl (USA)</i> 1200 Why manipulation, not vision, is critical for the drone economy <i>Andra Keay, Silicon Valley Robotics (USA)</i> 1220 Drone Business: Review of the Global Status Quo <i>Dr Catherine Ball, Remote Research Ranges (Aus)</i> 1240 Panel <i>Dr Catherine Ball, Remote Research Ranges (Aus)</i> <i>Sally French, The Drone Girl (USA)</i> <i>Thomas Frey, DaVinci Institute (USA)</i> <i>Andra Keay, Silicon Valley Robotics (USA)</i>	1140 Investing in Drone Tech for Beginners (Video Presentation) <i>Alan Jones BlueChilli (Aus)</i> 1145 Incentivising Innovation: Opportunities and Challenges <i>Kylie Walker, National Research and Innovation Alliance (Aus)</i> 1205 Funding a Drone Company to Scale <i>Steve Taitoko, XM2 (Aus)</i> 1220 Beyond the drone, creating useful data and changing one industry at a time <i>James Rennie, Australian UAV (Aus)</i> 1235 Panel <i>Atlanta Daniel, Blue Sky Blue Sky Venture Capital (Aus)</i> <i>Peta Ellis, River City Labs (Aus)</i> <i>James Rennie, Australian UAV (Aus)</i> <i>Steve Taitoko, XM2, (Aus)</i> <i>Kylie Walker, National Research and Innovation Alliance (Aus)</i>	1140 Future Ready Education <i>Dr Rowan Brookes, Monash University (Aus)</i> 1155 DronED – Problem Based Learning in Science, Technology, Engineering, and Maths <i>Dr Karen Joyce, James Cook University (Aus)</i> 1210 Investing in tomorrow today <i>Jackie Slaviero, One Giant Leap Australia (Aus)</i> 1225 Drones in Education <i>Jack Clarke, Aviation High School (Aus)</i> 1245 Panel <i>Dr Rowan Brookes, Monash University (Aus)</i> <i>Jack Clarke, Aviation High School (Aus)</i> <i>Dr Karen Joyce, James Cook University (Aus)</i> <i>Jackie Slaviero, One Giant Leap Australia (Aus)</i>
13:10	EXPO & Lunch		

	Thursday 31 August Day 1	
14:30	ROOM: GREAT HALL 4 THE DRONE REVOLUTION Case studies: 5 minute presentations by panel speakers Panel: The Drone Revolution - Cities, Leisure & Emergencies <i>Kathryn Cook, Facebook (USA), James Dean, Sensat Surveying Ltd (UK), Steven Flynn, Skytango (Ireland), Stephen Oh, XM2 (Aus), Tracey Vieira, Screen Queensland (Aus)</i> MC: Tracey Vieira, Screen Queensland	
15:30	EXPO & Afternoon Tea	
16:00	Concurrent Session THE DRONE REVOLUTION	
	ROOM: GREAT HALL 4 Drones & Smart Cities 1600 Safe and Smart Cities and the Internet of Things <i>Dylan Thomas, International Trade and Investment, Department for International Trade (UK)</i> 1620 Bio-inspired Flying Robots for Future Smart Cities <i>Dr Laura Margheri, Aeronautics Department, London Imperial College (UK)</i> 1640 Future of eCommerce Delivery <i>Ti Tien Mak, Australia Post (Aus)</i> 1700 Drone Use by the Port of Brisbane – Now and the Future <i>David Hertweck, Port of Brisbane Pty Ltd (Aus)</i> 1720 Autonomous passenger drone landing stations at Transit Orientated Developments to create smarter and more productive cities <i>Kate Zambelli, Lendlease (Aus)</i> 1725 Drones & Data - Helping the Trains Run on Time <i>Brendan Mulcahy, Classify Consulting (Aus)</i>	ROOM: M1 Emergency & Humanitarian Response 1600 UAV in humanitarian response setup, opportunities and challenges <i>Haidar Baqir, United Nations World Food Programme (Italy)</i> 1620 From exciting technology to a serious capability <i>Dr Lisa Frye, Department of Environment, Land, Water and Planning (DELWP) (Aus)</i> 1640 Drones 4 Good: Flying Humanitarians <i>Aarathi Krishnan, IFRC (Malaysia)</i> 1700 Saving life with drones! <i>Eddie Bennet, The Ripper Group International (Aus)</i> 1710 PacDID Open Aerial Maps <i>Nate Smith, Pacific Drone Imagery Dashboard (PacDID) – Humanitarian OpenStreetMap Team (Portugal)</i> 1720 Unmanned Humanitarian Assistance and Disaster Relief: A Future Defence Mission <i>Lt Col Keirin Joyce, The Australian Army (Aus)</i>
17:30	Day 1 Close	
18:00	VIP Welcome Reception	

	Friday 1 September Day 2		
08:15	Drone Expo open Exhibition Hall 1		
09:00	ROOM: GREAT HALL 4 GLOBAL DRONE MANUFACTURE & SAFETY KEYNOTE The Global Future for Drone Manufacturers <i>Jincai Yang, Shenzhen UAV Industry Association (China)</i> MC: Ashley Gordon, World of Drones Congress		
09:20	Panel: National Drone Safety Forum <i>Dr Jonathan Aleck, CASA (Aus), Dr Catherine Ball, Remote Research Ranges (Aus), Dr Lisa Frye, Department of Environment, Land, Water and Planning (DELWP) (Aus), Paddy Goodall, Airservices (Aus), Senator Janet Rice, Australian Greens Senator for Victoria (Aus), Gary Pohlner, Virgin Australia (Aus)</i> MC: James Coyne, UAS International		
10:30	EXPO & Morning tea		
11:00	Concurrent Session RISK, REGULATION, SAFETY & RESILIENCE		
	ROOM: GREAT HALL 4 Safety MC: James Coyne, UAS International	ROOM: M1 Big Data & Cyber Resilience MC: Michelle Price, Australian Cyber Security Growth Network	ROOM: M2 Legal Pathways & Protocols MC: Terri Janke, Terri Janke and Company
	1100 Session warm up <i>James Coyne, UAS International</i> 1105 Using crowd sourcing app to combat illegal drone operations at airports and open-air events <i>Brooke Tapsall, Airport UAV (AGICS OU) (Aus)</i> 1120 UAV Down Under: Emerging commercial applications for Marine Operations <i>Jackie Dujmovic, Hover UAV (Aus)</i> 1135 Assessment of robust behaviours in autonomous systems – an enabling factor for trust and certification <i>Prof Tristan Perez, Queensland University of Queensland (Aus)</i> 1150 Countering the Threat of Drones in Urban Environments <i>Warwick Penrose, EPE (Aus)</i> 1155 Panel <i>Jackie Dujmovic, Hover UAV (Aus)</i> <i>Warwick Penrose, EPE (Aus)</i> <i>Prof Tristan Perez, Queensland University of Queensland (Aus)</i> <i>Brooke Tapsall, Airport UAV (AGICS OU) (Aus)</i>	1100 Cyber resilience – a leadership responsibility <i>Andrew Mills, Queensland Government (Aus)</i> 1120 The Role of Big Data in Cyber Resilience <i>Michelle Price, Australian Cyber Security Growth Network (Aus)</i> 1130 QA4UAV - A Workflow for End Users to Ensure UAV Imagery Products are Fit-For-Purpose <i>Dr Nathan Quadros, CRC For Spatial Information (Aus)</i> 1140 Understanding the drone threat: A hacker's perspective <i>Mike Monnik, BAE Systems Applied Intelligence (Aus)</i> 1155 Panel <i>Andrew Mills, Queensland Government (Aus)</i> <i>Mike Monnik, BAE Systems (Aus)</i> <i>Michelle Price, Australian Cyber Security Growth Network (Aus)</i> <i>Dr Nathan Quadros, CRC For Spatial Information</i> <i>Dylan Thomas, International Trade and Investment, Department for International Trade (UK)</i>	1100 Flying with your eyes open: Understanding the legal issues with Drone <i>Terri Janke, Terri Janke and Company (Aus)</i> 1120 Hero To Zero - Why the marketplace needs to value legal operations. <i>Steven Flynn, Skytango (Ireland)</i> 1135 Rationally Regulating for the Safe Integration of RPAS <i>Jonathan Aleck, Civil Aviation Safety Authority (CASA) (Aus)</i> 1155 A Commercial Drone Case Study: Amazon's Drone Delivery Program <i>A/Prof Sara Smyth, La Trobe University Law School (USA/Aus)</i> 1210 I Spy with my Eye in the Sky: Drones and Current Laws Protecting Privacy in Australia <i>Dr Des Butler, QUT (Aus)</i>
12:30	EXPO & Lunch		

	Friday 1 September Day 2	
14:00	ROOM: GREAT HALL 4 DRONES IN ENVIRONMENT & INDUSTRY Keynote: Inside Fukushima <i>Toru Tokushige, Terra Drone (Japan)</i> MC: Dr Renee Bartolo, Department of the Environment and Energy	
14:20	Case studies: 5 minute presentations 1420 5 Learnings from Half a Million Drone Flights <i>Peter Corlett, Sensefy (Aus)</i> 1425 Video Presentation <i>Rhianna Lakin, Amelia Dronehart Rc Copter Group (USA)</i> 1430 Panel: Drones - Where Science Meets Business MC: Sally French, The Drone Girl <i>Dr Renee Bartolo, Department of the Environment and Energy (Aus), Peter Corlett, Sensefy (Aus), Steve Jacoby, QLD Department of Natural Resources and Mines (Aus), Toru Tokushige, Terra Drone (Japan)</i>	
15:30	EXPO & Afternoon Tea	
16:00	Concurrent Session DRONES IN ENVIRONMENT & INDUSTRY	
	ROOM: GREAT HALL 4 Agriculture & Biosecurity MC: Lloyd Russell, Conservation Farmers Inc	ROOM: M1 Environment & Conservation MC: Dr Renee Bartolo, Department of the Environment and Energy
	1600 Role of technology in preserving and enhancing Australia's Global food provenance reputation <i>Lloyd Russell, Conservation Farmers Inc (Aus)</i> 1610 Technical machine vision learning requirements for precision crop scouting with drones <i>Dr Cheryl McCarthy, University of Southern Queensland (Aus)</i> 1630 Fly the Farm - UAV use and adoption in agriculture <i>Meg Kummerow, Flying Ag Australia (Aus)</i> 1640 Application of drones in Agriculture in China <i>Dr Yubin Lan, South China Agriculture University (China)</i> 1650 Assessing Condition of Individual Macadamia Tree Crops using Multi-Spectral RPAS Imagery <i>Dr Kasper Johansen, The University Of Queensland (Aus)</i> 1655 What do Drones hold for the future of Mining Rehabilitation <i>Nigel Jones, HorizonUAS (Aus)</i> 1700 Panel <i>Dr Kasper Johansen, The University Of Queensland (Aus)</i> <i>Nigel Jones, HorizonUAS (Aus)</i> <i>Meg Kummerow, Flying Ag Australia (Aus)</i> <i>Dr Yubin Lan, South China Agriculture University (China)</i> <i>Dr Cheryl McCarthy, University of Southern Queensland (Aus)</i> <i>Lloyd Russell, Conservation Farmers Inc (Aus)</i>	1600 Promises and pitfalls in the use of conservation drones in the developing tropics <i>Prof Lian Pin Koh, University of Adelaide (Aus)</i> 1620 Wildlife Drones - robotic animal radio-tracking <i>Dr Debbie Saunders, Australian National University (Aus)</i> 1635 Environmental and Conservation: The Need for Local Information to Drive a Global Discussion <i>Dyan Gibbens, Trumbull Unmanned (USA)</i> 1650 Case Studies for Lidar-based Autonomy and 3D Mapping <i>Dr Stefan Hrabar, Emesent Autonomy / Data61 (Aus)</i> 1710 Panel <i>Prof Lian Pin Koh, University of Adelaide (Aus)</i> <i>Dr Debbie Saunders, Australian National University (Aus)</i> <i>Dyan Gibbens, Trumbull Unmanned (USA)</i> <i>Dr Stefan Hrabar, Emesent Autonomy / Data61 (Aus)</i>
17:30	Day 2 Close	