World of Drones and Robotics Congress 2022

Day 1: MONDAY 14 NOVEMBER	
09.00 – 09.30	**1. CONGRESS OPENING** - *Boulevard Auditorium*
	MC: **Ashley Gordon**, *WoDaRC*
	Opening Address: **Linus Power,** State MP for Logan, Queensland Government
	Opening Remarks: **Anthony Ryan**, CEO, Brisbane Economic Development Agency
	Welcome Presentation: **A/Prof Catherine Ball**, Co-Founder, WoDaR Global
09.30 – 10.30	**2. KEYNOTE: Decadal plan for convergent technology acceleration in Australia - Towards 2032** - *Boulevard Auditorium* *An outline of the roll-out and acceleration of emerging aerospace and robotics sectors, and how they will converge*
	DEMO: **Jason Young**, CEO, Ripper Corp & **Michal Weiss,** Principal Product Manager, Advanced Navigation
	*Panel discussion led by **A/Prof. Catherine Ball** with:*
	Dr Sue Keay, Chair, Robotics Australia Group
	Prof Lachlan Blackhall, Entrepreneurial Fellow and Head, Battery Storage and Grid Integration Program, ANU
	Prof Barbara Bollard, School of Engineering, Computer & Mathematical Sciences, Auckland University of Technology (New Zealand)
	Sally-Ann Williams, CEO, Cicada Innovations
	Lorraine Finlay, Human Rights Commissioner, Australian Human Rights Commission
10.30 – 11.00	*Morning Tea - Tech Expo, Foyer*
11.00 - 11.30	**3. Special Presentation and Q&A**
	The Hon Ed Husic MP, Minister for Industry and Science, Parliament of Australia and **A/Prof. Catherine Ball**, Co-Founder, WoDaR Global

4. CONCURRENT SESSIONS		
11.30 - 12.30	**4.1 Disaster Response and Humanitarian Engineering** – *B1* *Applications of emerging drone and robotic technologies in disaster response and humanitarian service delivery.*	**4.2 Defence Industries and Sovereign Supply Forum** - *Boulevard Auditorium* *Development of defence and sovereign supply capability in the aerospace, drones and robotics sectors.*
	*Chaired and Opened by **Prof Sarah Pearson**, Director, Global Innovation Fund*	*Chaired and Opened by **Robert Sutton,** Managing Director, Mirragin RAS Consulting*
	Statement presentations with all Q&A directed to the Speakers' Corner	**Dr Adriano Di Pietro**, Director, Swinburne's AIR Hub
	Eric Peck, Chief Executive Officer, Swoop Aero	**Katherine Head,** Director Technology Program, Trusted Autonomous Systems Defence CRC
	Adam Green, Executive Director, QFES	**Bron Davies**, Chief Auditor, Airservices Australia
	Beth Delaney, Humanitarian Coordinator, Australia, Australian Department of Foreign Affairs and Trade	**Ryan McMahon,** National RPAS Training Manager, Aviation Australia
	Rakesh Routhu, Co-founder, Aerologix	**Keirin Joyce,** Chief Engineer Royal Australian Air Force Remotely Piloted Aircraft System
		Dr Michael Crump, Principal Technologist – Trusted Autonomy, BAE Systems Australia
12.30 - 1.30	*Lunch - Tech Expo, Foyer*	

World of Drones and Robotics Congress 2022

	5. CONCURRENT SESSIONS	
1.30 - 3.00	**5.1 Building a sustainable robotics industry -** *Boulevard Auditorium* *This high profile panel will explore the elements required to build a sustainable robotics industry in Australia. How do we build new complex Australian-based manufacturing businesses that are good at both hardware and software. How can we support new and existing robotics companies to scale-up and succeed in global markets and how can we build up the talent pipeline from the leading robotics research undertaken here. We will explore the elements required to ensure that the talent and technologies we develop in Australia are able to thrive.*	**5.2 BVLOS Overview Workshop -** *B1* *Have you ever wondered what is needed to start operating beyond visual line of sight effectively and safely? This workshop aims to provide insights into the conduct of BVLOS operations from initial planning through to approval. Gain an understanding of the equipment (task, C3 links, control interface), safety (fitness for flying, crew endurance, human factors), procedures and training, and approval (safety case, flight tests) considerations and processes required to achieve your BVLOS operational goals.*
	Hosted by **Robotics Australia Group**	*Hosted by* **Hover UAV**
	Convenor **Dr Sue Keay**, Chair, Robotics Australia Group	Convenor **Phillip Grieve,** Senior Consultant, Hover UAV
	Panel discussion with:	**Dr Renee Bartolo**, Chief Remote Pilot, Department of Climate Change, Energy, the Environment and Water
	A/Prof Pauline Pounds, Associate Professor of Mechatronics, University of Queensland	
	Eric Peck, Chief Executive Officer, Swoop Aero	
	Robert Sutton, Managing Director, Mirragin RAS Consulting	
	Shawn Tansey, Managing Director, BIA5	
	Prof Peter Corke, Distinguished Professor| Centre Director, Queensland University of Technology	
3.00 – 3.30	*Afternoon Tea and Networking, Tech Expo, Foyer*	
3.30 - 4.30	**6. To the ends of this Earth and beyond: Drones and Robotics in conservation and the metaverse -** *Boulevard Auditorium*	
	Chaired by: **Prof Luis Gonzalez Toro,** *Professor, QUT and* **Tracey Vieira**, *Chief Content Officer|Hoodlum, Hoodlum Entertainment*	
	Keynote: Shah Selbe, Founder, FieldKit, USA	
	Statement presentations with all Q&A directed to the Speakers' Corner	
	Aaron Sequeira, Environmental Scientist - Agribusiness Operations and Pacific Labour Scheme & Seasonal Worker Programme, Department of Agriculture and Fisheries	
	Karen Sanders, Commercial Director, Real Serious Games	
	Dr Mariana Mayer Pinto, Scientia Senior Lecturer, School of Biological, Earth and Environmental Science, UNSW	
4.30 – 6.00	**7. Ideation Hub Business Networking Event** - *Tech Expo and demonstration area, Foyer*	
	LUCIE IN THE SKY LAUNCH ANNOUNCEMENT: **Amy Hollingsworth,** Artistic Director, Australasian Dance Collective This extended networking event will comprise: ● Ideation Hub, with 4 core topics selected by polling of delegates attending earlier in the day ● Networking drinks and catering ● Proposed robotic displays throughout area	
6.00	*DAY 1 CLOSE*	

World of Drones and Robotics Congress 2022

	Day 2: TUESDAY 15 NOVEMBER	
09.30 – 10.30	**8. Drone safety and regulation forum** - *Boulevard Auditorium*	
	Chaired by **Jackie Dujmovic**, *Founder	CEO, Hover UAV*	
	Statement presentations with all Q&A directed to the Speakers' Corner	
	Benedict Lyons, Director, National Emerging Aviation Technologies Policy, Department of Infrastructure, Transport, Regional Development, Communications and the Arts and **Patricius Heusser,** Assistant Director, Drones Policy, Commonwealth Department of Infrastructure, Transport, Regional Development, Communications and the Arts	
	Paul Schmidt, A/Executive Director (Program Management and Delivery) and Chief Remote Pilot, Department of Transport and Main Roads	
	Sebastian Robertson, CEO & Co-founder, Birdi / **Christopher Hills,** CEO, Handsoptional	
	Timothy McGrath, Senior Agri-business Development Officer, Department of Agriculture and Fisheries & **Luke Chaplain,** Founder, SkyKelpie	
	Sabrina Ravail, Chief Commercial Officer, Swoop Aero	
10.30 - 11.30	*Morning Tea - Tech Expo, Foyer*	
	9. CONCURRENT SESSIONS	
11.30 – 1.00	**9.1 National Drone Community of Practice - Global Workshop -** *Boulevard Auditorium* *Identifying a need for a national initiative for UAS and AAM research and development.*	**9.2 AI and platform technologies** - *B1*
	Hosted by **Dr Zena Assaad**, *Senior Research Fellow, The Australian National University*	*Hosted by the* **Queensland AI Hub**
	Steve "Lux" Luxion, Executive Directive, Assure (FAA Center Of Excellence For UAS)	*Chaired by* **Toni Peggrem**, *Qld AI Hub*
	Benedict Lyons, Director, National Emerging Aviation Technologies Policy, Department of Infrastructure, Transport, Regional Development, Communications and the Arts	**Dr Kelvin Ross**, Chairman, KJR
	Kristian Cruickshank, Co-founder and CTO, Revolution Aerospace	**Glenn Neuber,** CEO/Founder, MaxusAI Pty Ltd
	Natasha Santha, Partner, L.E.K Consulting	**Jerome Leray,** Managing Director/ Co-founder, InFarm
	Sarah Moran, Cofounder, Girl Geek Academy	**Holstein Wong,** Industrial Automation Key Account Manager, Schneider Electric
	Ms Sabrina Ravail, Chief Commercial Officer, Swoop Aero	
1.00 - 2.00	*Lunch - Tech Expo, Foyer*	

Subject to change

World of Drones and Robotics Congress 2022

		10. CONCURRENT SESSIONS	
2.00 - 3.30	**10.1 Infrastructure/Construction and 2032 Games -** *Boulevard Auditorium*	**10.2 A practical guide to automating the capture of site data with robots -** *B1*	
		A central place to capture, measure, interpret and share the true reality of your job sites, facilities or fields is no longer a dream. Through the use of robotics such as drones and quadrupeds (like Spot from Boston Dynamics), some of the world's largest construction and energy companies are realising the benefits of automating the capture of complete site reality data from the air and ground. But, are robots still only found in the labs of Innovation or R&D teams?	
		In this interactive session, experts from DroneDeploy will demonstrate how to move robots from proof-of-concept projects into production environments, where the true value of this sophisticated technology really comes into its own. You'll learn how to create workflows for your robots, capture data in real time and visualize this in a digital twin. Coupled with that, you'll also take home the top five things you need to do to successfully adopt autonomy in reality capture.	
		Take our short <u>survey</u> *ahead of your attendance at this session to have your autonomy questions answered.*	
	*Hosted by **Gerard Coutts and Associates***	*Interactive workshop facilitated by **Drone Deploy***	
	Host **Gerard Coutts,** Managing Director, Gerard Coutts & Associates		
	Statement presentations and panel discussion with:		
	Clem Newton-Brown OAM, CEO And Founder, Skyportz		
	Rafael Contreras, Director, Contreras Earl Architecture		
	Priscilla Riscica, Planning Animator, Gerard Coutts & Associates		
3.30	**CONGRESS CLOSE**		