

PRELIMINARY PROGRAM

INDO - PACIFIC



ROBOTICS

AUTONOMY
AI & CYBER

CONFERENCE

PAN PACIFIC PERTH, AUSTRALIA

7-8 OCTOBER 2025

CONFERENCE & EXHIBITION

9 OCTOBER 2025

TECHNICAL TOURS

Bringing together leaders from across the Indo-Pacific and beyond for opportunities in robotics, autonomy, AI and cyber

PRELIMINARY PROGRAM

AS OF 7TH OCTOBER 2025 – PLEASE NOTE THAT THIS PROGRAM IS SUBJECT TO CHANGE



ROBOTICS | DATA | CYBER | AI | SPACE | MINING | OIL & GAS | ENERGY | RENEWABLES
GOVERNMENT | DEFENCE | AGRICULTURE | ADVANCED MANUFACTURING | EDUCATION

ECONOMIC DIVERSIFICATION PARTNER



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WESTERN AUSTRALIA

FOUNDATION SPONSOR

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BUSINESS
EVENTS
PERTH

NATIONAL PARTNERS





JOIN SPEAKERS AND DELEGATES FROM ACROSS THE INDO-PACIFIC AND BEYOND

EXTENSIVE BUSINESS NETWORKING OPPORTUNITIES

100+ SPEAKERS | PARTICIPANTS FROM 20+ COUNTRIES



AUSTRALIA



CANADA



USA



JAPAN



INDIA



GERMANY



NETHERLANDS



MALAYSIA



NEW ZEALAND



THAILAND



HUNGARY



SWITZERLAND



NORWAY



PHILIPPINES



SINGAPORE



SOUTH AFRICA



SOUTH KOREA



TAIWAN



UK



FRANCE



VIETNAM



ITALY



UKRAINE



CHILE

BRINGING TOGETHER LEADERS FROM ACROSS THE INDO-PACIFIC AND BEYOND FOR OPPORTUNITIES IN ROBOTICS, AUTONOMY, AI AND CYBER

From the team that brought you the Indo-Pacific Space and Earth Conference (IPSEC)

After a resounding success of IPSEC in 2023 and 2024, we are proud to announce the launch of the Indo-Pacific Robotics, Autonomy, AI and Cyber Conference (IPRAAC) in 2025.

Following the same format of IPSEC, the conference is aimed at bringing together leading minds, thought leaders and industry experts from around the globe for opportunities in robotics, autonomy, AI and cyber. Through interactive sessions, workshops and discussions, the conference provides a unique platform for attendees to explore the infinite possibilities of robotics and related technologies and their impact around the world, forging collaborations that will drive innovation in various sectors.

Join us in October 2025 for the new installment of IPRAAC for invaluable opportunities to share knowledge, collaborate and network among key industry leaders.





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AI POWER PARTNER



OPENING PLENARY PARTNER



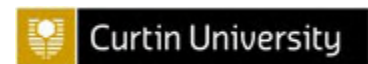
REGIONAL KNOWLEDGE PARTNER



REGIONAL KNOWLEDGE PARTNER



WORKSHOPS



ORGANISATIONS YOU WILL MEET AT THE EXHIBITION



INDUSTRY KNOWLEDGE PARTNERS



COMMUNITY PARTNERS



MEDIA PARTNERS





FOR A DEEP DIVE WE ARE PLEASED TO OFFER THE FOLLOWING WORKSHOPS AS PART OF YOUR CONFERENCE REGISTRATION.

WORKSHOP ROOMS TYPICALLY ACCOMMODATE AROUND 50 PEOPLE AND ARE AVAILABLE ON A FIRST-COME, FIRST-SERVED BASIS

INDUSTRY WORKSHOP

Positioning, Navigation, and Timing (PNT) Workshop

SECURE YOUR SPOT AT THE CONFERENCE TODAY

Tuesday 7th October
2:30pm - 4:00pm
DAY 1 AT IPRAAC

Workshops are included as part of the conference registration

PRESENTED BY
Professor Ahmed El-Mowafy
Lead, GNSS Satellite Positioning and Navigation Group at Curtin University

Curtin University

INDUSTRY WORKSHOP

Defence sector awareness, preparedness and innovation

- The Defence sector, priorities and SME preparedness
- Demand signals and innovation in supporting Australian businesses

SECURE YOUR SPOT AT THE CONFERENCE TODAY

Wednesday 8th October
2:30pm - 4:00pm
DAY 2 AT IPRAAC

PRESENTED BY

Workshops are included as part of the conference registration

INDUSTRY WORKSHOP

Deep Dive: Hands-On with Google's Gemini API and Gemini 2.5

SECURE YOUR SPOT AT THE CONFERENCE TODAY

Wednesday 8th October
11:30am - 1:30pm
DAY 2 AT IPRAAC

Workshops are included as part of the conference registration

PRESENTED BY
Mark McDonald
Gemini/AI Developer Relations at Google DeepMind

INDUSTRY WORKSHOP

Small satellites: best practices for new teams

Currently pending due to US Government shutdown

Wednesday 8th October
11:30am - 1:30pm
DAY 2 AT IPRAAC

PRESENTED BY
Bruce Yost
Director – NASA Small Spacecraft Systems Virtual Institute (S3VI) – NASA Ames Research Centre
















	EXHIBITION	CONFERENCE SESSIONS			WORKSHOPS AND DEEP DIVES	NETWORKING
7:00am						
7:15am						
7:30am						
7:45am	REGISTRATIONS OPEN					
8:00am	EXPO HALL	<div>OPENING PLENARY SESSION</div> <div>GOLDEN BALLROOM</div>				
8:15am						
8:30am						
8:45am						
9:00am						
9:15am						
9:30am						
9:45am						
10:00am						
10:15am						
10:30am						
10:45am						
11:00am	EXHIBITOR DEMONSTRATIONS	MORNING TEA + TECH DEMOS + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL				
11:15am						
11:30am	EXPO HALL	DEFENCE, NATIONAL SECURITY, EMERGENCY SERVICES AND SOCIETAL RESILIENCE	SATELLITE SPACE DATA AND BUSINESS INTELLIGENCE	MINING & ENERGY: TRANSFORMING OPERATIONS THROUGH INNOVATION		
11:45am						
12:00pm						
12:15pm						
12:30pm						
12:45pm						
1:00pm						
1:15pm						
1:30pm	EXHIBITOR DEMONSTRATIONS	LUNCH + TECH DEMOS + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL				
1:45pm						
2:00pm						
2:15pm						
2:30pm	EXPO HALL	ADVANCED MANUFACTURING AND CAPABILITY	DIGITAL TWINS AND DIGITAL MISSION ENGINEERING	AGRICULTURE, OPPORTUNITIES & CHALLENGES WITH ROBOTICS, AUTONOMY & AI	WORKSHOP POSITIONING, NAVIGATION, AND TIMING (PNT) Presented by Professor Ahmed El-Mowafy CURTIN UNIVERSITY	
2:45pm						
3:00pm						
3:15pm						
3:30pm						
3:45pm						
4:00pm						
4:15pm						
4:30pm	EXHIBITOR DEMONSTRATIONS	AFTERNOON TEA + TECH DEMOS + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL				
4:45pm	EXPO HALL	<div>CLOSING PLENARY SESSION</div> <div>GOLDEN BALLROOM</div>				
5:00pm						
5:15pm						
5:30pm						
5:45pm						<div>NETWORKING RECEPTION</div> <div>EXPO HALL</div>
6:00pm						
6:15pm						
6:30pm						
6:45pm						
7:00pm						










































	EXHIBITION	CONFERENCE SESSIONS			WORKSHOPS AND DEEP DIVES		NETWORKING
7:00am							
7:15am							
7:30am							
7:45am	REGISTRATIONS OPEN						
8:00am	EXPO HALL						
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8:45am		OPENING PLENARY SESSION PLENARY BALLROOM					
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11:00am	EXHIBITOR DEMONSTRATIONS	MORNING TEA + <i>TECH DEMOS</i> , + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL					
11:15am							
11:30am	EXPO HALL	INNOVATION, INVESTMENT AND EMERGING TECHNOLOGIES GOLDEN BALLROOM NORTH	SPACE ROBOTICS, AUTONOMY, AI AND CYBER GOLDEN BALLROOM CENTRE	CYBER SECURITY, AUTONOMY AND INDUSTRIAL INTEGRITY GOLDEN BALLROOM SOUTH	Currently pending due to US Govt shutdown	WORKSHOP DEEP DIVE: HANDS-ON WITH GOOGLE'S GEMINI API AND GEMINI 2.5 Presented by Mark McDonald Google	
11:45am							
12:00pm							
12:15pm							
12:30pm							
12:45pm							
1:00pm							
1:15pm							
1:30pm	EXHIBITOR DEMONSTRATIONS	LUNCH + <i>TECH DEMOS</i> , + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL					
1:45pm							
2:00pm							
2:15pm							
2:30pm	EXPO HALL	FUTURE WORKFORCE AND CROSS-SECTOR COLLABORATION GOLDEN BALLROOM NORTH	DRONES, AUTONOMY AND AERIAL INNOVATION GOLDEN BALLROOM CENTRE	GLOBAL PARTNERSHIPS AND INDO-PACIFIC COLLABORATION GOLDEN BALLROOM SOUTH	WORKSHOP GETTING YOUR BUSINESS "DEFENCE READY" Presented by Office of Defence Industry Support (ODIS) and Advanced Strategic Capabilities Accelerator (ASCA)		
2:45pm							
3:00pm							
3:15pm							
3:30pm							
3:45pm							
4:00pm							
4:15pm	EXHIBITOR DEMONSTRATIONS	AFTERNOON TEA + <i>TECH DEMOS</i> , + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL					
4:30pm							
4:45pm		CLOSING PLENARY SESSION GOLDEN BALLROOM					
5:00pm							
5:15pm							
5:30pm							
5:45pm							
6:00pm							
6:15pm							
6:30pm							
6:45pm							
7:00pm							



OPENING PLENARY SESSION	
8:45am – 11:00am	<div>7.45am</div> <div>Registration opens</div>
	<div><div></div><div>Opening Plenary Partner</div><div></div></div>
	<div>8.45am – 8.50am</div> <div>MC welcome</div> <div>Chris Cabbage </div> <div>Director & Executive Editor – Space and Earth – Partners and Advisory</div>
	<div>8.50am – 9.00am</div> <div>Welcome to Country</div> <div>Walter McGuire </div>
	<div>9.00am – 9.10am</div> <div>Official Conference Opening</div> <div>Hon Stephen Dawson MLC </div> <div>Minister for Regional Development; Ports; Science and Innovation; Medical Research; Kimberley</div>
	<div>9.10am – 9.20am</div> <div>CONFERENCE OVERVIEW</div> <div>Shaping Tomorrow: Preview of the Next Two Days – the Frontier of Technology</div> <div>Renae Sayers </div> <div>Director, Strategic Initiatives for Earth and Planetary Sciences – Curtin University</div>
	<div>9.20am – 9.35am</div> <div>PRESENTATION</div> <div>Welcome Address</div> <div>Katherine Bennell-Pegg </div> <div>Australian Astronaut, Director of Space Technology – Australian Space Agency Group Captain (Reservist) Royal Australian Airforce</div>
	<div>9.35am – 9.55am</div> <div>PRESENTATION</div> <div>Making Technology Adoption Easier</div> <div>Shawn Fernando </div> <div>Head of Technology – Woodside Energy</div>
	<div>9.55am – 10.25am</div> <div>PRESENTATION</div> <div>Humans & Robots: Designing the Future of Human–Robot Interaction</div> <div>Dr Holly Yanco </div> <div>Distinguished Professor, Computer Science and Mechanical Engineering, University of Massachusetts</div>
	<div>10.25am – 11.00am</div> <div>FIRESIDE CHAT</div> <div>Dr Mark Micire  </div> <div>Space Systems Principal Engineer – Fugro SpAARC; Former NASA, DARPA, FEMA/DHS</div> <div>with</div> <div>Dr Holly Yanco </div> <div>Distinguished Professor, Computer Science and Mechanical Engineering, University of Massachusetts</div>
	<div>-</div> <div>PRESENTATION</div> <div>Currently pending due to US Govt shutdown</div> <div>Beyond the Horizon – NASA Innovation, Next Generation Swarm Intelligence, and Earth Impact</div> <div>Roger Hunter </div> <div>Program Manager, Small Spacecraft Technology Program – NASA Ames Research Center</div>
MORNING TEA 11:00am – 11:30am	

ACKNOWLEDGING ATTENDING DIGNITARIES	
<div>Her Excellency Mrs Beate Grzeski </div> <div>Ambassador, Embassy of Germany</div> <div>His Excellency Mr Paolo Crudele </div> <div>Ambassador of Italy</div> <div>His Excellency Mr Nikolas Johannes Stürchler Gonzenbach </div> <div>Ambassador of Switzerland</div> <div>His Excellency Dr Greg French </div> <div>Ambassador of the Netherlands</div> <div>Mrs Doris Voorbraak </div> <div>Deputy Head of Mission, Embassy of The Netherlands</div> <div>Her Excellency Ms Arjaree Sriratanaban </div> <div>Ambassador of Thailand</div> <div>Pitchiya Sonjai </div> <div>Counsellor, Embassy of Thailand</div> <div>Mr Xuguang Huang </div> <div>Senior Trade Commissioner, High Commission of Canada</div> <div>H.E. Mr Gabrielle Visentin </div> <div>Ambassador, Delegation of the European Union to Australia</div> <div>H.E. Ms Fiona Flood </div> <div>Ambassador, Embassy of Ireland</div>	<div>His Excellency Vasyl Myroshnychenko </div> <div>Ambassador of Ukraine to Australia</div> <div>Mr Ignacio Boloiz Peiro </div> <div>Counsellor Science and Information, Embassy of Spain</div> <div>Mr Sergio Federico Nicolaci </div> <div>Consul, Consulate General of Italy in WA</div> <div>Mr Jimin Kim </div> <div>Charge D’Affaire, Embassy of South Korea</div> <div>Mr Sangjin Kim </div> <div>Counsellor, Embassy of South Korea</div> <div>Mr Joon Heo </div> <div>Advisor, Embassy of South Korea</div> <div>Maria Rennie </div> <div>UK Consul General in Perth</div> <div>Brian Jones </div> <div>Deputy Head of Mission, British High Commission</div> <div>Dr Ben Swinton–Bland </div> <div>Science and Technology Network, British High Commission</div> <div>Mr Olivier Boasson </div> <div>Counsellor, Embassy of France</div> <div>Ms Povesh Reddy </div> <div>First Secretary, High Commission of South Africa</div>



	DEFENCE, NATIONAL SECURITY, EMERGENCY SERVICES AND SOCIETAL RESILIENCE GOLDEN BALLROOM NORTH	SATELLITE SPACE DATA AND BUSINESS INTELLIGENCE GOLDEN BALLROOM CENTRE	MINING & ENERGY: TRANSFORMING OPERATIONS THROUGH INNOVATION GOLDEN BALLROOM SOUTH
11:30am – 1:30pm	<div>11.30am – 11.35am</div> <div>CHAIR</div> <div>Chris Cabbage </div> <div>Director & Executive Editor Space and Earth – Partners and Advisory</div>	<div>11.30am – 11.35am</div> <div>CHAIR</div> <div>Nic Rogers </div> <div>Legal and Commercialisation Manager, Binar, Curtin University</div>	<div>11.30am – 11.35am</div> <div>CHAIR</div> <div>Michelle Keegan </div> <div>Director – Mining and Space</div>
	<div>11.35pm – 12.05pm</div> <div>PANEL</div> <div>Resilience Through Collaboration — Indo-Pacific Security in the Age of Autonomy</div> <div>MODERATOR</div> <div>Gary Hale </div> <div>Director, National Resilience & Security (NRAS) – Curtin University; Former Director, Cyber Security and Innovation – CISCO; Former Royal Australian Airforce</div> <div>PANELLISTS</div> <div>Linda Dawson </div> <div>Head of the Office of Defence Industries, Department of Premier and Cabinet WA</div> <div>Scott Elson </div> <div>Director of Business Development, L3HARRIS Integrated Mission Systems Australia L3HARRIS Technologies.</div> <div>Peter Baker </div> <div>Director of Growth, Greenroom Robotics</div> <div>Mike Deeks </div> <div>CSC, Group Managing Director, Blue Ocean Marine Tech Systems</div>	<div>11.35am – 11.50am</div> <div>PRESENTATION</div> <div>Smarter from Space — Unlocking Actionable Intelligence for Earth’s Critical Industries</div> <div>Venkat Pillay  </div> <div>CEO – LC60 AI</div> <div>11.50am – 12.30pm</div> <div>PANEL</div> <div>From Orbit to Industry — Unlocking Downstream Value Through Satellite Data</div> <div>MODERATOR</div> <div>Rajeeshwaran Moorthy, MRAeS </div> <div>Strategic Advisor to Maldives Space Agency</div> <div>PANELLISTS</div> <div>Naresh Kannan </div> <div>Business Development Lead at OrbitAID Aerospace</div> <div>Hirokazu Mori </div> <div>CEO – Warpspace</div> <div>Rueben Rajasingam  </div> <div>Chief Operating Officer & Co-Founder – LC60 AI</div> <div>Amber Imai-Hong </div> <div>Avionics Engineer and Project Manager at the Pacific International Space Center for Exploration Systems.</div>	<div>11.35am – 11.55am</div> <div>PRESENTATION</div> <div>Currently pending due to US Govt shutdown</div> <div>Orbit to Outcrop: Technology to Accelerate Resource Exploration & Access on Earth & Offworld</div> <div>Dr Jonathan Stock </div> <div>Chief Scientist for Innovation – NASA AMES; Former Director – US Geological Survey (USGS) National Innovation Center</div> <div>11.35am – 12.05pm</div> <div>PANEL</div> <div>From Pit to Power: Real-World Challenges in Mining and Energy Operations</div> <div>MODERATOR</div> <div>Cecily Rawlinson </div> <div>Director – CyberWest Hub</div> <div>PANELLISTS</div> <div>Jon Sciortino </div> <div>Portfolio Manager, Autonomous & Intelligence Systems – Nova Systems</div> <div>Matt Clements </div> <div>Director of Strategic Growth – Innovative Mining Services; Previous Global Lead for Mobile Equipment – Anglo American</div> <div>Ed Lewis </div> <div>Head of AI, Data and Automation – Unearthed</div>
	<div>12.05am – 12.20pm</div> <div>PRESENTATION</div> <div>Adaptive by Design — Building Ethical AI and Autonomous Systems for a Complex World</div> <div>Dr S. Kate Conroy </div> <div>Wing Commander, Responsible AI Lead, Jericho Disruptive Innovation – Royal Australian Air Force</div> <div>12.20pm – 12.35pm</div> <div>PRESENTATION</div> <div>Defence Related R&D and Technology Advances in the Ukraine</div> <div>His Excellency Vasyl Myroshnychenko </div> <div>Ambassador of Ukraine to Australia</div> <div>12.35pm – 12.45pm</div> <div>PRESENTATION</div> <div>Alex Murphy </div> <div>Director & Head of Engineering – Ausco; Former Systems Integration Engineer – Fugro; Winner: AMDA INDO PACIFIC 2022 Young Innovator Award</div> <div>12.45pm – 1.15pm</div> <div>PANEL</div> <div>AI, Robotics and Autonomy: Transforming Emergency Services for the Future</div> <div>MODERATOR</div> <div>Nicci Rossouw </div> <div>Chief Executive Officer – Robotics Australia Group</div> <div>PANELLISTS</div> <div>Dr Mark Micire  </div> <div>Space Systems Principal Engineer – Fugro SpAARC; Former Robotics Group Lead and Research Scientist – NASA; Former Program Manager – DARPA; Former Head of Technology Development – Woodside Energy</div> <div>Paul Daly </div> <div>Superintendent and Officer in Charge – Police Air Wing, Western Australia Police Force</div> <div>Dr John Blitch </div> <div>Cognitive Scientist / Emergency Response Consultant – Blitz Solutions;</div> <div>Former Senior Research Scientist – US Air Force Research Laboratory; Former Program Manager – DARPA</div> <div>Janelle Baily </div> <div>Assistant Director, Data Science & Analytics – Western Australia Police Force</div>	<div>12.30pm – 12.50pm</div> <div>PRESENTATION</div> <div>Solar power satellite (SPS) and microwave power transfer : Solution for contradiction of energy supply and climate change</div> <div>Tadashi Takano </div> <div>Director – Space Solar Power Systems Society; Chairman of the Board – Society for Space Travel</div> <div>12.50pm – 1.30pm</div> <div>PRESENTATION</div> <div>Space Connectivity and Laser Communications for Australia and the Indo-Pacific : Applications for Defence, Government and Mining. Secure, Robust, Resilient</div> <div>Mohammad Danesh </div> <div>CTO and Co-Founder – Transcelestial</div>	<div>12.05pm – 12.25am</div> <div>PRESENTATION</div> <div>Pradyumna Vyshnav </div> <div>Co-Founder & CEO – Uncharted AI</div> <div>12.25pm – 12.45pm</div> <div>PRESENTATION</div> <div>Autonomous vehicles in extreme environments: Expanding the frontiers of Innovation</div> <div>Dr Thierry Peynot </div> <div>Associate Professor – Queensland University of Technology (QUT); Chief Investigator – QUT Centre for Robotics (Space Robotics and Mining Robotics) activities</div> <div>12.45pm – 1.20pm</div> <div>PANEL</div> <div>Connecting Space and Mining Technologies</div> <div>MODERATOR</div> <div>Michelle Keegan </div> <div>Director – Mining and Space</div> <div>PANELLISTS</div> <div>Robert Mueller </div> <div>IEEE Volunteer</div> <div>Pablo Sobron </div> <div>Founder and Inventor, Space and Climate Tech, Impossible Sensing</div> <div>Dave Lawie </div> <div>Chief Geoscientist & Chief Technologist – Mining – IMDEX</div>
	<div>1.15pm – 1.30pm</div> <div>PRESENTATION</div> <div>Pathways to Supplying Defence: How to Get Your Business Defence Ready</div> <div>Dan Moss </div> <div>Defence Industry Advisor – Defence Australia – Office of Defence Industry Support (ODIS)</div>		





ADVANCED MANUFACTURING
AND CAPABILITY

GOLDEN BALLROOM NORTH

2.30pm – 2.55pm

SESSION CHAIR

PRESENTATION

Sovereign AI and Australia's Future

Alex Jenkins

Director – WA Data Science Innovation Hub; Board
Member – WA State Government's AI Advisory Board;
Chair – Curtin AI in Research Group (CAIR)

2.55pm – 3.05pm

PRESENTATION

How advanced 3D printing is enabling
sovereign manufacturing capability,
accelerating R&D, and unlocking new
pathways for autonomous production
across defence and industry.

Joshua Wigley

CEO Hyperion – Deployable 3D printing units for rapid,
large-scale manufacturing.

3.05pm – 3.15pm

PRESENTATION

Accelerating Defence Innovation

Rachel Geddes

Director, Strategic Engagement and Comms – Advanced
Strategic Capabilities Accelerator, Defence Force

3.15pm – 3.30pm

PRESENTATION

Defence capability to Industry productivity –
supporting multi-vertical implementations
in autonomy and field robotics

Daniel Milford

Founder and CEO, Chironix

3.30pm – 4.10pm

PANEL

Opportunities and Challenges in Local
Advanced Manufacturing

MODERATOR

David Matrai

Committee Chair – IPRAAC; Joint Managing Director –
Space and Earth Partners and Advisory

PANELLISTS

Alex Murphy

Director & Head of Engineering – Ausco; Former Systems
Integration Engineer – Fugro; Winner: AMDA INDO
PACIFIC 2022 Young Innovator Award

Daniel Milford

Founder and CEO, Chironix

Venkat Pillay

CEO – LC60 AI

Meg Berry

Workforce Development Manager – BINAR – Satellite
Manufacturers

Anthony Auld

Infrastructure and Colocation Specialist – DXN Limited –
Data Centre Manufacturers

DIGITAL TWINS AND DIGITAL MISSION
ENGINEERING

GOLDEN BALLROOM CENTRE

2.30pm – 2.35pm

SESSION CHAIR

Jon Sciortino

Portfolio Manager, Autonomous & Intelligence Systems
– Nova Systems

2.35pm – 2.55pm

PRESENTATION

Digital Mission Engineering in the Age of AI:
Shaping the Future of Complex Systems

Bennett Frerck

Technical Lead – Digital Mission Engineering (DME) –
LEAP Australia

2.55pm – 3.05pm

PRESENTATION

The Future of Decision-Making: How Digital
Twins Are Reshaping Risk in Defence, Space
and Sustainability

Professor Ganna Pogrebna

Executive Director – The Alan Turing Institute and
University of Sydney

3.05pm – 3.25pm

PRESENTATION

Advanced Digital Twins for Adaptive Robots

Ted Goranson

Chief Scientist – Sirius-beta

3.25pm – 3.45pm

PRESENTATION

Cyber Security and Digital Twins – Boon,
Bane or Bust

Prof Helge Janicke

Professor in Cyber Security at Edith Cowan University –
Former CEO and Research Director of the Cyber Security
Cooperative Research Centre (CSCRC)

3.45 – 4.00pm

PRESENTATION

The Future of Digital Twins with GenAI

Matthew Curnow

Head of DataOps, Artificial Intelligence and GenAI
Operations, WOOD

4.00pm – 4.15pm

PRESENTATION

Transforming sites and assets into digital
models at speed and scale

Daniella Peck

Business Development Specialist Airscope Industries

AGRICULTURE, OPPORTUNITIES & CHALLENGES
WITH ROBOTICS, AUTONOMY & AI

GOLDEN BALLROOM SOUTH

2.30pm – 2.35pm

SESSION CHAIR

Dr Julia Easton

Development Manager for Research Innovation,
Senior Research Fellow. Centre for Crop and Disease
Management at Curtin University.

2.35pm – 2.55pm

PRESENTATION

Empowering Farmers with Data:
Transforming Agriculture with LC60 AI's
Farm Management Solution

Rueben Rajasingam

Chief Operating Officer & Co-Founder – LC60 AI

2.55pm – 3.05pm

PRESENTATION

The Intersection of AI and Robotics and
Applications for Agriculture Vehicles

Yosi Lahad

AI Robotics Expert, Chair of the Israel Intelligent
Robotics Center

3.05pm – 3.25pm

PRESENTATION

Technology in Horticulture: Definitely Higher
Challenges, but also Higher Rewards

Dario Stefanelli

Senior Research Scientist and Lead of the Fruit and
Perennial Crops Program – Department of Primary
Industries and Regional Development WA

3.25pm –4.10pm

PANEL

AgriTech Frontiers: Harnessing Robotics, AI
and Autonomy to Feed the Future

MODERATOR

Natasha Teakle

National Coordinator – GRDC's Grain Automate Program;
CEO – Agristart

PANELLISTS

Professor Ganna Pogrebna

Executive Director – The Alan Turing Institute and
University of Sydney

Roger Lawes

Principal Research Scientist at CSIRO Agriculture
Flagship

Bindi Isbister

Decision Agriculture Specialist at Agrarian Management

Lucy Anderton

Principal Consultant & Director – LA.ONE Economics &
Consulting Pty Ltd – myFARMSMART & The SMARTBEEF
Project

2:30pm – 4:15pm

AFTERNOON TEA | 4:15pm – 4:45pm





PRELIMINARY PROGRAM

2025 PROGRAM DAY 1

Tuesday 7th October 2025 | Pan Pacific Perth

CONFERENCE & EXHIBITION DAY 1 CLOSING PLENARY 4:45PM – 5:45PM

CLICK
HERE

BACK TO PROGRAM OVERVIEW

CLOSING PLENARY SESSION

4:45pm – 5:45pm

4.45pm – 4.50pm
SESSION CHAIR

David Matrai

Committee Chair – IPRAAC; Joint Managing Director – Space and Earth Partners and Advisory

4.50pm – 5.20pm
PRESENTATION

Power with Purpose — Responsible AI for a Resilient, Inclusive Future

Maxwell Scott

CTO and Co-Founder of StratAlliance Global

5.20pm – 5.45pm
PRESENTATION

Robotics & AI That Delivers: Execution, Not Hype, Unlocking Indo-Pacific Value

Nathan Kirchner

Founding Team & Head of Product – Zabidou; Mission Director, Advanced Manufacturing & Robotics – Arena Mars; Founder and Chief Evangelist – President; Founding Director – Robotics Australia Group; Founder and Director – Grey Wall Advisory; Venture Partner – Melt Ventures; Silicon Vandal’s Chief Evangelist

5.45pm – 7.30pm

IPRAAC Reception

EXHIBITION FLOOR

END OF DAY 1



OPENING PLENARY SESSION

8:45am - 11:00am

8.45am - 8.50am

WELCOME TO DAY 2

MC welcome

Chris Cabbage

Director & Executive Editor – Space and Earth – Partners and Advisory

8.50am - 9.15am

PRESENTATION

Human Robot Teaming for Frontier Crisis Assessment and Emergency Response

Dr John Blitch

Cognitive Scientist / Emergency Response Consultant – Blitz Solutions;
Former Senior Research Scientist – US Air Force Research Laboratory; Former Program Manager – DARPA

9.15am - 9.35am

PRESENTATION

Artificial General Intelligence (AGI) as an AI Sceptic

A walk through the most significant AI breakthroughs on the way to AGI, through the lens of an AGI sceptic

Mark McDonald

Gemini/AI Developer Relations
Google DeepMind

9.35am - 9.50am

PRESENTATION

The Journey of AI, Robotics and Autonomous Remote Operations

From Deep Sea to Deep Space

Sam Forbes

Director – Fugro SpAARC (Australian Space Automation, Artificial Intelligence and Robotics Control Complex)

9.50am - 10.05am

PRESENTATION

Taking lessons from Mining Autonomy to Maritime Autonomy

Dr Glenn Callow

Chief Technology Officer. Austal Limited, Former Chief Advisor (Digital Integrated Mine) and Manager (Mine Automation) – Rio Tinto

10.05am - 10.25am

PRESENTATION

Robopalooza & Workforce Development

Robert Mueller

IEEE

10.25am - 10.45am

PRESENTATION

Space Renaissance and Exploration: Data, AI, Earth Observation, Robotics, Resources and the Moon–Mars Frontier

Professor Bernard Foing

CEO ILEWG LUNEX EuroMoonMars, President Space Renaissance International, Chief Scientist QOSMOSYS, Former Chief Scientist – European Space Agency

10.45am - 11.00am

PRESENTATION

Presenting the Australian and automation robotics precinct

Renu Kannu

National Robotics and Innovation Lead – Australian Automation and Robotics Precinct

MORNING TEA | 11:00am - 11:30am



INNOVATION, INVESTMENT AND EMERGING TECHNOLOGIES

GOLDEN BALLROOM NORTH

11.30am – 11.35am

SESSION CHAIR

Hale Reynolds

Managing Director – All-Star Agency

11.35am – 12.15pm

PANEL

Building Innovation Nations: Powering Growth Through Government, Capital and Technology Collaboration

MODERATOR

Lynette Tan

CEO – Space Faculty (Singapore)

PANELLISTS

Colin McIvor

Head of the Subsea Innovation Cluster of Australia

Dr Clare Murphy

Assistant Secretary – Strategy & Operations
Advanced Strategic Capabilities Accelerator (ASCA)
Department of Defence

Rick Brooks

Regional Manager (Southern Perth, Goldfields and Esperance) – AusIndustry

12.15am – 12.30pm

PRESENTATION

TRL Uplift Programs and Pathways to Operational Readiness

Arvind Ramana

Director, Space Programs, Technology Uplift, Australian Space Agency

12.30pm – 1.10pm

PANEL

Legal Horizons and Responsible AI: Navigating Regulation, Risk and Responsibility

MODERATOR

Natasha Blycha

Managing Director – Stirling & Rose

PANELLISTS

Dr S. Kate Conroy

Wing Commander, Responsible AI Lead, Jericho
Disruptive Innovation – Royal Australian Air Force

Maxwell Scott

CTO and Co-Founder of StratAlliance Global

Janie Plant

Women in Technology WA (WiTWA) Chair Senior Legal Counsel – Capgemini Australia
WA State Govt AI Advisory Board Member

Jeannie Marie Paterson

Professor of Law; Co-Director – Centre for AI and Digital Ethics (CAIDE), The University of Melbourne

Dr. Muhammad Bilal Shaikh

AI Engineer @ Molycop, Australia, Chair IEEE Signal Processing Society Western Australia Section,
Ambassador on Entrepreneurship – IEEE Region 10,
Adjunct Faculty, School of Science, and AI Researcher @ Center for Artificial Intelligence and Machine Learning (CAIML), Edith Cowan University

1.10pm – 1.25m

PRESENTATION

Advances in Geospatial Intelligence

Mehdi Ravanbakhsh

CEO – Mapizy

SPACE ROBOTICS, AUTONOMY, AI AND CYBER

GOLDEN BALLROOM CENTRE

11.30am – 11.55am

SESSION CHAIR

PRESENTATION

So, do you want to operate a Rover on Mars?

Paulo de Souza

Executive Dean, School of Engineering – Edith Cowan University

11.55am – 12.05pm

PRESENTATION

Erik Franks

Founder and CEO – Cislune

12.05pm – 12.15pm

PRESENTATION

Tibor Pacher

Founder and CEO – Puli Space Technologies, Hungary

12.15pm – 12.25pm

PRESENTATION

Leanne Cunnold

CEO – AROSE (Australian Remote Operations for Space and Earth)

12.25pm – 12.40pm

PRESENTATION

Securing the Trillion-Dollar Frontier – The Financial Imperative of Space Cybersecurity Standards

Sandeep Taileng

Information Security Leader at State Trustees & member of the Institute of Electrical and Electronics Engineers (IEEE)

12.40pm – 12.50pm

PRESENTATION

A Hawaiian perspective on In-Situ Resource Utilization (ISRU)

Christian Andersen

PISCES Director of Research at the University of Hawaii at Hilo

12.50pm – 1.10pm

PRESENTATION

Next Generation Infrastructure Off-World and On-World – Including Applications for Mining and Energy in Extreme Environments.

James Golyd

NASA Contractor

CYBER SECURITY, AUTONOMY AND INDUSTRIAL INTEGRITY

GOLDEN BALLROOM SOUTH

11.30am – 11.35am

SESSION CHAIR

Serena King

Assistant Director | Cyber Security Engagement WA, Cyber Security Strategic Coordination Branch | Cyber Security Engagement, National Office of Cyber Security

11.35am – 11.55am

FIRESIDE CHAT WITH

SESSION CHAIR

Grant Macara

Director of Cyber Security Strategic Responses and Coordination at the National Office of Cyber Security

11.55am – 12.10pm

PRESENTATION

Carl Solder

Chief Technology Officer – Cisco (Australia & New Zealand)

12.10pm – 12.50pm

PANEL

Cyber at the Core — Lessons, Threats and Real Talk from Across the Conference

MODERATOR

Hannah McKelvie

General Manager, Cyber Innovation – Telstra

PANELLISTS

David Taylor

Cyber Security Advisor – Bunnings

Gareth Willis

Head of Security – Fugro

Matt Jones

Director and Co-founder of Elttam

Jo Wilkie

Global Marketing Director, Arbortech

12.50pm – 1.30pm

PANEL

Robots Are Critical Technology – Let’s Keep Them Secure

MODERATOR

Emma O’Neil

Former Director CyberWest Hub

PANELLISTS

Keith Bulfin

CEO – Dunedin Capital Markets; CEO – Monitors Foundation

Gohar Rind

Founder of Intaris Western Australia’s first Indigenous-owned cybersecurity company, and a member of the WA Government AI Advisory Board

Jesse Gane

General Manager Adisyn OT cyber security specialist and navy veteran

Sandeep Taileng

Information Security Leader at State Trustees & member of the Institute of Electrical and Electronics Engineers (IEEE)

11:30am – 1:30pm

LUNCH | 1:30pm – 2:30pm



2:30pm – 4:15pm	FUTURE WORKFORCE AND CROSS-SECTOR COLLABORATION	DRONES, AUTONOMY AND AERIAL INNOVATION	GLOBAL PARTNERSHIPS AND INDO-PACIFIC COLLABORATION
	GOLDEN BALLROOM NORTH	GOLDEN BALLROOM CENTRE	GOLDEN BALLROOM SOUTH
	<div>2.30pm – 2.35pm</div> <div>SESSION CHAIR</div> <div>David Matrai</div> <div>Committee Chair – IPRAAC; Joint Managing Director – Space and Earth Partners and Advisory</div>	<div>2.30pm – 2.35pm</div> <div>SESSION CHAIR</div> <div>Chris Cabbage</div> <div>Director & Executive Editor Space and Earth – Partners and Advisory</div>	<div>2.30pm – 2.35pm</div> <div>SESSION CHAIR</div> <div>Ingrid Silver</div> <div>International legal and regulatory expert; Former General Counsel – ABC</div>
	<div>2.35pm – 2.55pm</div> <div>PRESENTATION</div> <div>AI: Your smartest, dumbest, strangest colleague</div> <div>James Healy</div> <div>Managing Director – The Behaviour Boutique; Former Principal – Human Capital Consulting at Deloitte</div>	<div>2.35pm – 2.55pm</div> <div>PRESENTATION</div> <div>The Feng Shui of Tactical UxS – How Operation Spiderweb changes the threat landscape</div> <div>Terry van Haren</div> <div>Air Commodore (Retired); Vice President, Strategy, Director – DroneShield Defence Services</div>	<div>2.35pm – 3.20pm</div> <div>PANEL</div> <div>Unlocking the India Opportunity – Collaboration for Innovation in Space, Robotics, AI & Cyber</div> <div>MODERATOR</div> <div>Dr Siddharth Pandey</div> <div>Space Systems Engineer and Strategic Partnerships Lead (Asia Pacific) – Fugro SpAARC</div>
	<div>2.55pm – 3.05pm</div> <div>PRESENTATION</div> <div>Automation without exclusion</div> <div>Felipe Barria</div> <div>Senior Development Consultant, Food Industry Innovation – Department of Primary Industries and Regional Development (DPIRD)</div> <div>and</div> <div>Kim Antonio</div> <div>Manager, Food Industry Innovation – Department of Primary Industries and Regional Development (DPIRD)</div>	<div>2.55pm – 3.15pm</div> <div>PRESENTATION</div> <div>Drones, AI, and Smarter Weed Autonomy</div> <div>Roberto Lujan Rocha</div> <div>AI and Autonomy for Smarter Weed Management in Australian Agriculture</div>	<div>3.05pm – 3.20pm</div> <div>PANEL</div> <div>Drones, Autonomy and Aerial Innovation Panel</div> <div>MODERATOR</div> <div>Chris Cabbage</div> <div>Director & Executive Editor – Space and Earth – Partners and Advisory</div>
	<div>3.05pm – 3.20pm</div> <div>PRESENTATION</div> <div>Opportunities across the Indo-Pacific for future workforces</div> <div>Lynette Tan</div> <div>CEO – Space Faculty (Singapore)</div>	<div>3.15pm – 3.45pm</div> <div>PANEL</div> <div>Drones, Autonomy and Aerial Innovation Panel</div> <div>MODERATOR</div> <div>Chris Cabbage</div> <div>Director & Executive Editor – Space and Earth – Partners and Advisory</div>	<div>3.20pm – 3.35pm</div> <div>PRESENTATION</div> <div>Redefining Mental Health: The Role of AI and Technology in the Indo-Pacific</div> <div>Edna Addai</div> <div>CEO – CLEAN-PILL</div>
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AFTERNOON TEA 4:15pm – 4:45pm			





CLOSING PLENARY SESSION

SESSION CHAIR


David Matrai 

Committee Chair – IPRAAC; Joint Managing Director – Space and Earth Partners and Advisory

PANEL

Conference Takeaways and Future Opportunities

MODERATOR

Chris Cubbage 

Director & Executive Editor – Space and Earth – Partners and Advisory

PANELLISTS

Dawn McIntosh  

Space Systems Director – Fugro SpAARC (Australian Space Automation, Artificial Intelligence and Robotics Control Complex)

Hannah McKelvie 


General Manager, Cyber Innovation – Telstra

Dr S. Kate Conroy 

Wing Commander, Responsible AI Lead, Jericho Disruptive Innovation – Royal Australian Air Force

Gary Hale 

Director, National Resilience & Security (NRAS) – Curtin University; Former Director, Cyber Security and Innovation – CISCO;
Former Royal Australian Airforce

Paulo de Souza 

Executive Dean, School of Engineering – Edith Cowan University

4:45pm – 5:30pm

END OF DAY 2

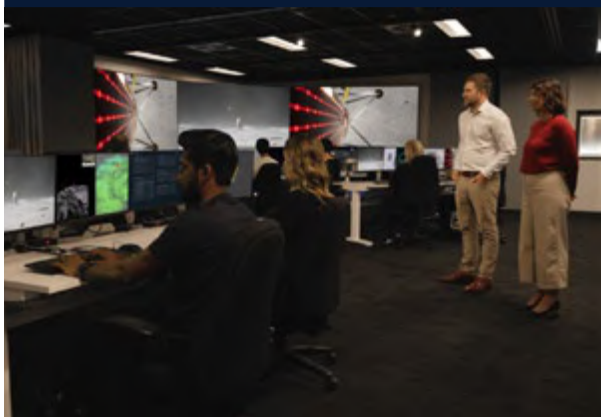
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Delegates for IPRAAC are invited to join us for several technical tours on Thursday 9th October 2025. See below for an overview of the schedule – times and details are to be announced. Delegates will be able to opt in for technical tours through the IPRAAC registration portal when registrations open.

FUGRO SPAARC



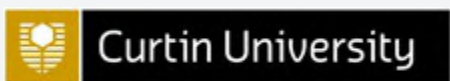
- 📅 Thursday 9th October 2025
- 🕒 TBC
- 📍 Fugro SpAARC



CURTIN UNIVERSITY



- 📅 Thursday 9th October 2025
- 🕒 TBC
- 📍 Curtin University,
Kent St, Bentley WA 6102



WASSEC (WESTERN AUSTRALIAN SPACE SCIENCE EDUCATION CENTRE)



- 📅 Thursday 9th October 2025
- 🕒 11:30am
- 📍 Joseph Banks Secondary College,
40 Joseph Banks Blvd,
Banksia Grove WA 6031



100+ SPEAKERS



CONFIRMED SPEAKERS FOR IPRAAC 2025 PLUS MORE TO COME

