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

VC 14_08_2025

PRELIMINARY PROGRAM

AS OF 19TH AUGUST 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

GOVERNMENT OF WESTERN AUSTRALIA
Invest & Trade WESTERN AUSTRALIA

FOUNDATION SPONSOR

WESTERN AUSTRALIA | BUSINESS EVENTS PERTH

NATIONAL PARTNERS

Curtin University
Fugro SPAARC
LC60

PRELIMINARY PROGRAM

INDO - PACIFIC ROBOTICS AUTONOMY AI & CYBER CONFERENCE

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

EXTENSIVE BUSINESS NETWORKING OPPORTUNITIES

80+ SPEAKERS | PARTICIPANTS FROM 20 COUNTRIES

AUSTRALIA · CANADA · FRANCE · GERMANY · INDIA · JAPAN · NETHERLANDS · MALAYSIA · NEW ZEALAND · THAILAND

NORWAY · PHILIPPINES · SINGAPORE · SOUTH AFRICA · SOUTH KOREA · TAIWAN · UK · USA · VIETNAM · ITALY

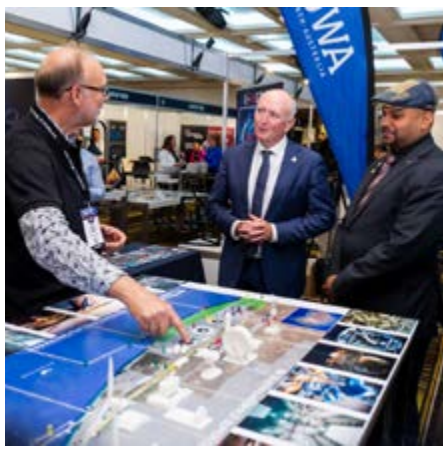
BRINGING TOGETHER LEADERS FROM ACROSS THE INDO-PACIFIC AND BEYOND FOR OPPORTUNITIES IN ROBOTICS, AUTONOMY, AI AND CYBER

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.





WWW.IPRAAC.COM

PRELIMINARY PROGRAM

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FUGRO SPAARC

LC60

AI POWER PARTNER

WA DATA SCIENCE INNOVATION HUB
Powering an AI Future

REGIONAL KNOWLEDGE PARTNER

SIA INDIA
An association for space industry

REGIONAL KNOWLEDGE PARTNER

SPACE FACULTY

INDUSTRY KNOWLEDGE PARTNERS

ROBOTICS AUSTRALIA GROUP

INTERNATIONAL ASTRONAUTICAL FEDERATION

SECURE WORLD FOUNDATION

IOTA
International Optical Technologies Association
Formerly known as IHMA

AARP
Australian Automation and Robotics Precinct

ENERGY CLUBWA

SUBSEA INNOVATION CLUSTER AUSTRALIA

IEEE Signal Processing Society

COMMUNITY PARTNERS

AROSE

COMMITTEE FOR PERTH

CYBER WEST HUB

ORGANISATIONS YOU'LL MEET AT THE EXHIBITION

CHIRONIX

AUSCO GROUP

ECU EDITH COWAN UNIVERSITY

ODIS
Office of Defence Industry Support

leap

UNCHARTED AI

GOVERNMENT OF WESTERN AUSTRALIA | TAFE WA South Metropolitan

MEDIA PARTNERS

MYSECURITY MARKETPLACE

BN BUSINESSNEWS

AUSTRALIA IN SPACE MAGAZINE & TV

SPACE & DEFENCE TECH AND SECURITY NEWS

DRASTIC DRONES | ROBOTICS | A.I

CYBER RISK LEADERS

INDO - PACIFIC ROBOTICS AUTONOMY AI & CYBER CONFERENCE

PRELIMINARY PROGRAM

PROGRAM OVERVIEW DAY 1

Tuesday 7th October 2025 | Pan Pacific Perth

CONFERENCE & EXHIBITION

	EXHIBITION	CONFERENCE SESSIONS			WORKSHOPS AND DEEP DIVES	NETWORKING
7:00am						
7:15am						
7:30am						
7:45am						
8:00am	EXPO HALL					
8:15am						
8:30am						
8:45am		OPENING PLENARY SESSION *PLENARY BALLROOM*				
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 AND SOCIETAL RESILIENCE *BALLROOM 1*	MINING & ENERGY: TRANSFORMING OPERATIONS THROUGH INNOVATION *BALLROOM 2*	SATELLITE SPACE DATA AND BUSINESS INTELLIGENCE *GOLDSWORTHY / HAMERSLEY*		
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 SOVEREIGN CAPABILITY *BALLROOM 1*	DIGITAL TWINS AND DIGITAL MISSION ENGINEERING *BALLROOM 2*	AGRICULTURE, OPPORTUNITIES & CHALLENGES WITH ROBOTICS, AUTONOMY & AI *GOLDSWORTHY / HAMERSLEY*		
2:45pm						
3:00pm						
3:15pm						
3:30pm						
3:45pm						
4:00pm						
4:15pm	EXHIBITOR DEMONSTRATIONS	AFTERNOON TEA + TECH DEMOS, + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL				
4:30pm						
4:45pm	EXPO HALL	CLOSING PLENARY SESSION *PLENARY BALLROOM*				
5:00pm						
5:15pm						
5:30pm						
5:45pm						NETWORKING RECEPTION *EXPO HALL*
6:00pm						
6:15pm						
6:30pm						
6:45pm						
7:00pm						

INDO - PACIFIC ROBOTICS AUTONOMY AI & CYBER CONFERENCE

PRELIMINARY PROGRAM

PROGRAM OVERVIEW DAY 2

Wednesday 8th October 2025 | Pan Pacific Perth

CONFERENCE & EXHIBITION

	EXHIBITION	CONFERENCE SESSIONS			WORKSHOPS AND DEEP DIVES		NETWORKING
7:00am							
7:15am							
7:30am							
7:45am							
8:00am	EXPO HALL						
8:15am							
8:30am							
8:45am		OPENING PLENARY SESSION *PLENARY BALLROOM*					
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	INNOVATION, INVESTMENT AND EMERGING TECHNOLOGIES *BALLROOM 1*	DRONES, AUTONOMY AND AERIAL INNOVATION *BALLROOM 2*	CYBER SECURITY, AUTONOMY AND INDUSTRIAL INTEGRITY *GOLDSWORTHY / HAMERSLEY*	*WORKSHOP* FUTURE OPPORTUNITIES WITH SATELLITES TBC	*WORKSHOP* GOOGLE DEEP MIND 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 + TECH DEMOS, + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL					
1:45pm							
2:00pm							
2:15pm							
2:30pm	EXPO HALL	FUTURE WORKFORCE AND CROSS-SECTOR COLLABORATION *BALLROOM 1*	SPACE ROBOTICS, AUTONOMY, AI AND CYBER *BALLROOM 2*	GLOBAL PARTNERSHIPS AND INDO-PACIFIC COLLABORATION *GOLDSWORTHY / HAMERSLEY*	GETTING YOUR BUSINESS "DEFENCE READY" Presented by Office of Defence Industry Support (ODIS) and Advanced Strategic Capabilities Accelerator (ASCA)	DRONES WORKSHOP TBC	
2:45pm							
3:00pm							
3:15pm							
3:30pm							
3:45pm							
4:00pm							
4:15pm	EXHIBITOR DEMONSTRATIONS	AFTERNOON TEA + TECH DEMOS, + ANNOUNCEMENTS ALL IN THE EXHIBITION HALL					
4:30pm							
4:45pm	EXPO HALL	CLOSING PLENARY SESSION *PLENARY BALLROOM*					
5:00pm							
5:15pm							
5:30pm							
5:45pm							
6:00pm							
6:15pm							
6:30pm							
6:45pm							
7:00pm							

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OPENING PLENARY SESSION

All event times are currently TBC until the full program is finalised.

Registration opens

MC welcome

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

Welcome to Country

Official Conference Opening

Hon Stephen Dawson MLC
Minister for Regional Development; Ports; Science and Innovation; Medical Research; Kimberley

CONFERENCE OVERVIEW

Shaping Tomorrow: Preview of the Next Two Days – the Frontier of Technology

Exploring how robotics, autonomy, AI and cyber are transforming mining, energy, agriculture, space, defence, maritime, infrastructure and public safety across the Indo-Pacific.

Renae Sayers
Director, Strategic Initiatives for Earth and Planetary Sciences – Curtin University

PRESENTATION

Welcome Address

Katherine Bennell-Pegg
Australian Astronaut, Director of Space Technology - Australian Space Agency
Group Captain (Reservist) Royal Australian Airforce

PRESENTATION

Shawn Fernando
Head of Technology – Woodside Energy

PRESENTATION

Pushing the Limits – How NASA Innovates to Create a Better World - TITLE TBC

Harnessing robotics, AI, autonomy and cyber to transform industries, inspire progress, and shape the future across the Indo-Pacific and beyond.

Roger Hunter
Program Manager, Small Spacecraft Technology Program – NASA Ames Research Center

PRESENTATION

Humans + Robots: Designing the Future of Collaboration - The Future of Human–Robot Interaction - TITLE TBC

Dr Holly Yanco
Director – New England Robotics Validation and Experimentation (NERVE) Center at UMass Lowell

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EXHIBITION WALKTHROUGH

Her Excellency Ms Natasha Smith
Ambassador to Germany

His Excellency Mr Paolo Crudele
Ambassador of Italy

His Excellency Mr Nikolas Johannes Stürchler Gonzenbach
Ambassador of Switzerland

His Excellency Dr Greg French
Ambassador of the Netherlands

Her Excellency Ms Arjaree Sriratanaban
Ambassador of Thailand

Her Excellency Dr Julie Sunday
High Commissioner for Canada

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STREAM

DEFENCE NATIONAL SECURITY & SOCIETAL RESILIENCE

Strengthening national resilience and protecting people, assets, and environments using autonomous systems and secure technologies.

- **Cybersecurity for Autonomous Systems:** Building trust, resilience and protection for AI, robotics, and IoT platforms.
- **Security & Sovereignty:** Defending borders, infrastructure, and national interests using autonomous and cyber capabilities.
- **Emergency Response & Public Safety:** Deploying robotics and AI for firefighting, disaster response and surveillance operations.

SECTORS

Defence, Border Security, Emergency Services, Critical Infrastructure, Public Safety, Maritime, Space

TECHNOLOGIES

Robotics, AI, Cybersecurity, Surveillance Systems, Autonomous Vehicles, IoT, Satellite Communications

CLICK HERE BACK TO PROGRAM OVERVIEW

STREAM: DEFENCE NATIONAL SECURITY & SOCIETAL RESILIENCE

All event times are currently TBC until the full program is finalised.

PRESENTATION

Adaptive by Design — Building Ethical AI and Autonomous Systems for a Complex World - TITLE TBC

In a rapidly shifting operational landscape, responsible innovation isn't optional, it's mission-critical. Wing Commander Kate Conroy shares a strategic defence perspective on managing the risks and responsibilities of advanced robotics, autonomy and AI. Explore the frameworks that support lawful, safe, and trusted deployment, and discover how agile teams are delivering both speed and assurance in high-stakes environments.

Dr S. Kate Conroy
Wing Commander, Responsible AI Lead, Jericho Disruptive Innovation – Royal Australian Air Force

PRESENTATION

Pathways to Supplying Defence: How to Get Your Business Defence Ready

This presentation provides an inspirational and strategic overview for innovative businesses looking to enter the Defence sector.

Dan Moss
Defence Industry Advisor – Defence Australia – Office of Defence Industry Support (ODIS)

PRESENTATION

Rachel Geddes
Director – Advanced Strategic Capabilities Accelerator – Department of Defence

PRESENTATION

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

PANEL

AI, Robotics and Autonomy: Transforming Emergency Services for the Future

From bushfire response to disaster relief and urban search and rescue, emergency services are turning to AI, robotics, and autonomous systems to enhance safety, speed, and effectiveness. These technologies are helping crews operate in hazardous environments, improve situational awareness, and save lives when every second counts. This panel will feature leaders from emergency services, technology innovators, and government agencies discussing real-world applications already making a difference and what the future holds. Panellists will explore how emerging technologies can strengthen preparedness, response, and recovery efforts while addressing the challenges of training, integration, and public trust. Attendees will gain insight into the next generation of tools and partnerships that will shape the way emergency services respond to crises, both locally and globally.

MODERATOR

Nicci Rossouw
Chief Executive Officer - Robotics Australia Group

PANELLISTS

Dr Mark Micire
Former Robotics Group Lead and Research Scientist – NASA; Former Program Manager – DARPA; Former Head of Technology Development – Woodside Energy

Paul Daly
Superintendent and Officer in Charge – Police Air Wing, Western Australia Police Force

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

Janelle Baily
Assistant Director, Data Science & Analytics – Western Australia Police Force

PANEL

Resilience Through Collaboration — Indo-Pacific Security in the Age of Autonomy

As emerging technologies redefine the security landscape, cross-border coordination has never been more critical. This panel brings together security leaders, defence strategists, and emergency management experts from across the Indo-Pacific to explore how collaboration, trust, and interoperability can enhance national resilience. From multilateral policy frameworks and tech-enabled intelligence sharing to integrated response mechanisms for natural and human-made threats, this session examines how nations are working together to future-proof sovereignty, security, and societal wellbeing.

MODERATOR

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

PANELLISTS

SPEAKERS TO BE ANNOUNCED

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STREAM

MINING & ENERGY : TRANSFORMING OPERATIONS THROUGH INNOVATION

Harnessing robotics, autonomy, AI, and cyber technologies to drive productivity, safety, and sustainability across mining and energy sectors.

- **Autonomous Mining & Energy Operations:** Enabling safer, more efficient and scalable extraction, processing and distribution through robotics and autonomy.
- **AI for Exploration, Maintenance & Decision-Making:** Leveraging artificial intelligence to enhance predictive maintenance, geoscience analysis, and operational decision-making.
- **Cybersecurity & Resilience in Industrial Systems :** Securing critical infrastructure and OT environments against evolving threats and vulnerabilities.
- **ESG & Decarbonisation Through Technology:** How innovation is supporting emissions reduction, water and energy efficiency, and social licence to operate

SECTORS

Mining, Oil & Gas, Renewable Energy, Hydrogen, Power Generation, Resources Processing, Infrastructure

TECHNOLOGIES

Robotics, Autonomy, Artificial Intelligence, Operational Technology Cybersecurity, Digital Twins, IoT, Predictive Analytics, Remote Operations, Net Zero Tech

CLICK HERE BACK TO PROGRAM OVERVIEW

STREAM: MINING & ENERGY TRANSFORMING OPERATIONS THROUGH INNOVATION

All event times are currently TBC until the full program is finalised.

MINING INDUSTRY PANEL

From Pit to Power: Real-World Challenges in Mining and Energy Operations

The mining and energy sectors are under increasing pressure to improve efficiency, reduce emissions, enhance safety, and remain globally competitive, all while operating in some of the world's most remote and demanding environments. Behind every innovation are the people who face these challenges on the ground every day. This panel will feature voices from across the mining and energy industries, including site operators, project managers, and industry leaders, who will share candid insights into their operational realities. They will discuss the pain points, opportunities, and priorities that technology vendors must understand to deliver real value through robotics, AI, autonomous systems, and advanced digital solutions. Attendees will hear first-hand what the industry truly needs from emerging technologies, providing innovators and solution providers with a clear roadmap to develop tools that address real-world challenges, improve safety and productivity, and shape the future of mining and energy.

MODERATOR

Jon Sciortino
Portfolio Manager, Autonomous & Intelligence Systems – Nova Systems

PANELLISTS

Matt Clements
Director of Strategic Growth – Innovative Mining Services; Previous Global Lead for Mobile Equipment – Anglo American

Gavin Gillett
Solutions Architect, Autonomous Systems – Nova Systems; Former Specialist Integrated Operations – Rio Tinto

Ed Lewis
Head of AI, Data and Automation – Unearthed

PRESENTATION

Pradyumna Vyshnav
Co-Founder & CEO – Uncharted AI

PRESENTATION

Autonomous vehicles in extreme environments: Expanding the frontiers of innovation – TITLE TBC

Autonomous vehicles are transforming how we operate in the world's harshest and most remote environments, from deep underground mines and offshore energy platforms to disaster zones and even planetary exploration. These technologies are unlocking safer, more efficient, and more capable ways of working where humans cannot easily go. In this presentation, we will explore the cutting-edge innovations making autonomous vehicles more resilient, intelligent, and adaptable to extreme conditions. We will examine real-world case studies, the challenges of regulation and safety, and the exciting opportunities for industries such as mining, defence, energy, and space. Attendees will gain a forward-looking perspective on how autonomous vehicles will shape the future of industry, exploration, and global problem-solving in the most challenging environments on and beyond Earth.

Dr Thierry Peynot
Associate Professor – Queensland University of Technology (QUT); Chief Investigator – QUT Centre for Robotics (Space Robotics and Mining Robotics) activities

PANEL

Connecting Space and Mining Technologies

MODERATOR

Michelle Keegan
Director – Mining and Space

PANELLISTS

Robert Mueller
IEEE Volunteer

Pablo Sobron
Founder and Inventor, Space and Climate Tech, Impossible Sensing

Dave Lawie
Chief Geoscientist & Chief Technologist – Mining – IMDEX

F3

FAST 3 – COMPANY PITCHES

3 companies | 3 slides | 3 Minutes

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STREAM

SATELLITE SPACE DATA AND BUSINESS INTELLIGENCE

Exploring the future of space-enabled technologies, and the downstream value of satellites for industry, security, and society.

- **Satellite Manufacturing & Future Space Tech:** Opportunities in satellite componentry, supply chains, launch innovation and Australia's role in global space capability.
- **Geospatial Intelligence for Critical Sectors:** Turning space-based data into actionable insights for mining, agriculture, defence, and disaster response.
- **AI, Cyber & Autonomy in Orbit:** How AI and autonomous systems are transforming satellite operations, security, and data delivery across domains.
- **Satellites as Strategic Infrastructure:** The role of space assets in national resilience, environmental monitoring, and Indo-Pacific partnerships.

SECTORS

Mining, Agriculture, Energy, Defence, Emergency Services, Maritime, Infrastructure, Space, Land management, Sustainability

TECHNOLOGIES

Satellites, Geospatial Intelligence, AI, Robotics, Cybersecurity, Autonomy, Earth Observation, Communications, Data Platforms

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STREAM: SATELLITE SPACE DATA AND BUSINESS INTELLIGENCE

All event times are currently TBC until the full program is finalised.

PRESENTATION

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

PRESENTATION

Smarter from Space — Unlocking Actionable Intelligence for Earth's Critical Industries

As industries grapple with climate, security, and productivity challenges, space-based intelligence is becoming mission-critical. In this keynote, Venkat Pillay, CEO of LatConnect60, reveals how next-generation satellite systems are delivering real-time, high-resolution data to support ESG compliance, precision agriculture, environmental monitoring, and national security. From hyperspectral insights and AI-enabled analytics to autonomous tasking and cross-sector applications, discover how Australia's own space-tech innovators are reshaping the way industries on Earth make decisions, manage risk, and unlock value — all from above.

Venkat Pillay
CEO – LC60 AI

PANEL

From Orbit to Industry — Unlocking Downstream Value Through Satellite Data

How can space-based assets solve real-world challenges here on Earth? This international panel session unpacks the power of satellite-derived intelligence in sectors like mining, energy, agriculture, defence, and disaster response. Experts in geospatial analytics, Earth observation, and data fusion will discuss how AI and autonomy are enhancing the value of satellite data, and what is needed to ensure timely, usable, and sector-specific insights that drive decision-making, safety, and sustainability.

MODERATOR

Rajeeshwaran Moorthy, MRAeS
Strategic Advisor to Maldives Space Agency

PANELLISTS

Preetham Akula
Founder and CEO – Akula Tech

Sakthikumar Ramachandran
Founder & Chief Executive Officer – OrbitAID Aerospace

Hirokazu Mori
CEO – Warpspace

Venkat Pillay
CEO – LC60 AI

F3

FAST 3 - COMPANY PITCHES

3 companies | 3 slides | 3 Minutes

STREAM

ADVANCED MANUFACTURING, ROBOTICS SUPPLY CHAINS, AND SOVEREIGN CAPABILITY

Subsea - Maritime - Land - Air - Space

Building resilient, sovereign supply chains to support advanced technologies across the Indo-Pacific.\

- **Additive Manufacturing & Intelligent Robotics:** Unlocking new capabilities through 3D printing, precision automation, optical systems, and AI-driven robotics.
- **Critical Minerals & Supply Chain Resilience:** Examining how robotics, AI, satellites and data infrastructure rely on strategic inputs — and how the Indo-Pacific can lead on resilience and value-added processing.
- **Sovereign Capability & Indo-Pacific Collaboration:** Exploring national strategies and regional partnerships that strengthen supply chain resilience and enable growth across robotics, space, and AI-enabled industries.

SECTORS

Manufacturing, Mining, Energy, Defence, Space, Infrastructure, Logistics

CLICK HERE BACK TO PROGRAM OVERVIEW

SPEAKERS TO BE ANNOUNCED

STREAM

DIGITAL TWINS & DIGITAL MISSION ENGINEERING

Harnessing the power of simulation, modeling, and data-driven digital replicas to revolutionise how industries design, test, and operate complex systems. This stream explores how digital twins and mission engineering create efficiencies, reduce risk, and unlock new opportunities across critical sectors.

- **Designing the Future with Digital Twins:** How high-fidelity models are shaping mining, energy, agriculture, space, and defence operations before they are built.
- **Mission Engineering for Complex Systems:** Leveraging simulation to plan, test, and optimise outcomes in multi-domain operations – from emergency response to planetary exploration.
- **Autonomy & AI in the Loop:** Integrating robotics, AI, and cyber technologies with digital twins for smarter decision-making and predictive operations.
- **Cross-Sector Applications & Opportunities:** Insights into how these tools drive innovation in industrial operations, supply chains, space missions, and national security.

SECTORS:
Mining, Energy, Agriculture, Space, Defence, Emergency Services, Infrastructure, Manufacturing, Transportation

TECHNOLOGIES:
Digital Twins, Simulation & Modeling, AI, Robotics, Autonomy, Cybersecurity, Data Platforms, Systems Engineering, Predictive Analytics

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STREAM: DIGITAL TWINS AND DIGITAL MISSION ENGINEERING

All event times are currently TBC until the full program is finalised.

SESSION CHAIR

Name -TBC
Title

PRESENTATION

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

Modern defence and industrial systems, whether operating in the air, on land, at sea, or in space are becoming increasingly complex, interconnected, and reliant on intelligent technologies. Digital Mission Engineering (DME) is transforming how these systems are designed, tested, and optimised by integrating advanced modelling, simulation, and AI-driven insights throughout their lifecycle.

In this presentation, Bennett Frerck will explore what DME is, why it matters, and how artificial intelligence and machine learning are amplifying its impact. He will highlight the critical role of synthetic training data in preparing advanced systems for real-world operations, reducing cost, and accelerating capability development.

Attendees will gain a forward-looking perspective on how DME combined with the power of AI, will redefine innovation, readiness, and performance across domains, shaping the next generation of mission-critical technologies.

Bennett Frerck
Technical Lead – Digital Mission Engineering (DME) – LEAP Australia (working with Ansys, PTC, nCode, Flownex, Moldex3D)

PRESENTATION

Advanced Digital Twins for Adaptive Robots

We'll talk about digital twins, autonomous operations, quantum models and how each of these are dangerous by themselves and probably not a good idea, but which can be used together for fun and profit.

Ted Goranson
Chief Scientist – Sirius-beta

PRESENTATION

The Future of Digital Twins with GenAI

Matthew Curnow
Head of DataOps, Artificial Intelligence and GenAI Operations, WOOD

PRESENTATION

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

Professor Ganna Pogrebna
Executive Director – AI and Cyber Futures Institute at Charles Sturt University

PANEL

TBC

-

MODERATOR

Name - TBC
Title

PANELLISTS

Professor Ganna Pogrebna
Executive Director – AI and Cyber Futures Institute at Charles Sturt University

STREAM

AGRICULTURE – OPPORTUNITIES AND CHALLENGES WITH ROBOTICS, AUTONOMY AND AI

Exploring the future of space-enabled technologies, and the downstream value of satellites for industry, security, and society.

- **Smart Farms of the Future:** Harnessing robotics and autonomous systems to optimise crop management, livestock care, and precision agriculture.
- **AI for Food Security:** Leveraging predictive analytics, computer vision, and big data to enhance yields, manage risk, and strengthen regional food systems.
- **Challenges on the Ground:** Addressing barriers to adoption including cost, skills, connectivity, and cross-sector collaboration.
- **Cross-Sector Lessons & Collaboration:** What agriculture can learn from mining, energy, defence, and space sectors in deploying autonomy and AI safely and effectively.

SECTORS

Agriculture, Food Production, Supply Chains, Sustainability, Mining (cross-sector learnings), Energy, Defence, Emergency Services

TECHNOLOGIES

Robotics, Autonomy, AI, Machine Learning, Drones, Sensors, IoT, Cybersecurity, Digital Twins, Predictive Analytics

CLICK HERE BACK TO PROGRAM OVERVIEW

STREAM: AGRICULTURE OPPORTUNITIES AND CHALLENGES WITH ROBOTICS, AUTONOMY AND AI

All event times are currently TBC until the full program is finalised.

SESSION CHAIR

Name -TBC
Title

CASE STUDY PRESENTATION

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

Access to timely, accurate data is revolutionising agriculture and enabling farmers to make informed decisions that boost productivity, reduce costs, and promote sustainability. In this case study, Reuben Rajasingam of LC60 AI will showcase how their Farm Management Solutions (FMS) are putting the power of data directly into the hands of farmers. Drawing on their work with Malaysian rice growers, Reuben will demonstrate how LC60 AI uses advanced analytics, remote sensing, and AI-driven insights to deliver a complete digital platform for farm management. Attendees will see how FMS can optimise irrigation, fertiliser use, and crop planning, turning complex data into actionable strategies that improve yields and livelihoods. This case study offers a powerful vision of how data-driven agriculture can transform farming communities, create efficiencies at scale, and pave the way for a smarter, more sustainable future for global food production.

Rueben Rajasingam
Chief Operating Officer & Co-Founder – LC60 AI

PANEL

Voices from the Field: Real-World Challenges and Opportunities in Agriculture

Behind every technological breakthrough in agriculture are farmers and producers navigating the realities of day-to-day operations. From labour shortages and rising input costs to climate variability and market pressures, the challenges they face are complex and ever-changing. This panel brings together farmers and key stakeholders from across the agriculture industry to share their experiences, needs, and priorities directly with technology providers and innovators. The discussion will shed light on what end users truly value in solutions such as robotics, AI, and autonomous systems and where gaps remain between innovation and practical application. Attendees will gain a rare, unfiltered insight into the realities of farming today, helping technology developers better understand and design tools that solve real problems, deliver tangible benefits, and drive lasting impact in the agricultural sector.

Lucy Anderton
Principal Consultant & Director – LA.ONE Economics & Consulting Pty Ltd – myFARMSMART & The SMARTBEEF Project
MORE TO BE ANNOUNCED

PRESENTATION

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

PANEL

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

Agriculture is on the cusp of a technological revolution, with robotics, AI, and autonomous operations transforming how we grow, harvest, and protect our food. From broadacre farming to smaller, specialised operations, these innovations promise increased productivity, sustainability, and resilience in the face of growing global demand. This panel will bring together farmers, technologists, researchers, and industry leaders to explore the opportunities and challenges of adopting cutting-edge technologies in agriculture. Panellists will discuss real-world applications already reshaping the sector, strategies to overcome barriers to adoption, including cost, scalability, connectivity and what lies ahead on the innovation horizon. Attendees will gain insight into how collaboration across technology developers, farmers, and policymakers can accelerate progress, ensuring agriculture remains efficient, sustainable, and globally competitive in the decades to come.

MODERATOR

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

PANELLISTS

Artur Lugmayr
Director – UXMachines

Professor Ganna Pogrebna
Executive Director – AI and Cyber Futures Institute at Charles Sturt University

Roger Lawes
Principal Research Scientist - CSIRO TBC

Bindi Isbister
Decision Agriculture Specialist at Agrarian Management

F3

FAST 3 - COMPANY PITCHES

3 companies | 3 slides | 3 Minutes

CLICK HERE BACK TO PROGRAM OVERVIEW

CLOSING PLENARY SESSION

All event times are currently TBC until the full program is finalised.

SESSION CHAIR

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

CASE STUDY PRESENTATION

From Deep Sea to Deep Space — Remote Operations at the Edge of Innovation

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

PRESENTATION

From Code to Capability — The Next Leap in AI and What It Means for Industry

Mark McDonald
Gemini/AI Developer Relations – Google DeepMind

PRESENTATION

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

PRESENTATION

Robotics Rising — Unlocking economic opportunity across the Indo-Pacific – TITLE TBC

Nathan Kirchner
Founder and Chief Evangelist – Presien; Founding Director – Robotics Australia Group; Founder and Director – Grey Wall Advisory; Venture Partner – Melt Ventures; Silicon Vandal's Chief Evangelist

IPRAAC Networking Drinks

EXHIBITION FLOOR

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OPENING PLENARY SESSION

All event times are currently TBC until the full program is finalised.

PRESENTATION

Rescue Robotics for Human Frontiers

This talk presents a futuristic perspective on the unique role that frontier environments play in promoting innovative robot designs for rescue operations and crisis response. An overview of the daunting challenges associated with emergency response activity is presented first with an eye toward the highly dynamic, unpredictable, and unstructured nature of disasters that occur in both urban and rural terrestrial environments.

A transitional perspective is provided next as emergency response migrates from earth-bound societies to future colonies established in the CIS-Lunar realm, Mars, and other celestial bodies. A cognitive analysis of human teaming follows with emphasis on the need for collaboration in pursuit of innovative approaches to complex problems. The development of wrapping manipulators inspired by the phenomenal abilities of cephalopods is presented as one example of how a frontier environment can inspire humans to innovate via the compelling combination of self-preservation and insatiable curiosity.

The talk concludes with the claim that Australia and the entire Indo-Pacific region is uniquely positioned to develop innovative tactics, technologies, and methods to become a global leader in resilient exploration and robot assisted rescue across the entire spectrum of future human frontiers.

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

PRESENTATION

Maritime automation vs mining automation - TITLE TBC

Glenn Callow
CTO – Austal; Former Chief Advisor (Digital Integrated Mine) and Manager (Mine Automation) – Rio Tinto

PRESENTATION

Space Robotics

Robert Mueller
IEEE

PRESENTATION

Maxwell Scott
Senior Program Manager, Office of Responsible AI – Microsoft - TBC

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STREAM

INNOVATION, INVESTMENT & EMERGING TECHNOLOGY

Accelerating commercialisation and investment in next-generation technologies, with a focus on dual-use applications across sectors.

- **Startups & Investment:** Showcasing new ventures, capital pathways, and pitch opportunities.
- **Dual-Use Technology Pathways:** Navigating civil, commercial and defence applications in the Indo-Pacific.
- **Next-Gen Communications:** Enabling autonomy with satellite networks, 5G, edge computing and resilient data systems.

SECTORS

Defence, Space, Venture Capital, Startups, Mining, Energy, Agriculture, Infrastructure

TECHNOLOGIES

Robotics, AI, Cybersecurity, Satellites, Quantum, Advanced Sensors, Edge Computing, 5G

CLICK HERE BACK TO PROGRAM OVERVIEW

STREAM: INNOVATION, INVESTMENT & EMERGING TECHNOLOGY

All event times are currently TBC until the full program is finalised.

PRESENTATION

Unlocking Global Opportunities: Deep Tech Investment and Collaboration Across the US and Indo-Pacific – TITLE TBC

Hale Reynolds
Managing Director –All-Star Agency

PANEL

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

Thriving innovation ecosystems are built on strong partnerships between government, investors, and technology pioneers. By aligning policy, capital, and cutting-edge ideas, regions can unlock the breakthroughs that drive economic growth, create jobs, and solve global challenges. This panel will bring together leaders from government, venture capital, and the tech sector to explore how to design and sustain ecosystems that fuel innovation across deep tech industries, including space, AI, robotics, autonomy, and advanced manufacturing. Panellists will discuss successful models, the role of public–private partnerships, and strategies for scaling local ideas into global solutions. Attendees will gain valuable insights into how governments can create the right conditions for innovation, how investors can identify and back high-impact ventures, and how technology innovators can access the networks and support they need to bring bold ideas to life.

MODERATOR

Lynette Tan
CEO – Space Faculty (Singapore)

PANELLISTS

Colin McIvor
Head of the Subsea Innovation Cluster of Australia

Rachel Geddes
Advanced Strategic Capabilities Accelerator

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

Sudheer Kumar N
Former Director, CBPO – ISRO (Indian Space Research Organisation)

PRESENTATION

TRL Uplift Programs and Pathways to Operational Readiness – TITLE TBC

Taking space technologies from an initial concept to full operational capability requires a strategic focus on innovation, investment, and collaboration. As Australia strengthens its position in the global space sector, targeted programs are helping to accelerate the development and readiness of emerging technologies. In this presentation, Arvind Ramana, Director of Space Programs at the Australian Space Agency, will explore how Technology Readiness Level (TRL) uplift programs are enabling innovators to bridge the gap between research and real-world application. He will highlight key initiatives supporting industry growth, pathways for collaboration, and opportunities for Australian companies to take their technologies from concept to commercial and operational success. Attendees will gain practical insights into how TRL uplift initiatives are driving capability development, fostering partnerships, and positioning Australia as a key player in the global space economy.

Arvind Ramana
Director, Space Programs, Technology Uplift, Australian Space Agency

PANEL

The Ethics and Legal Horizons of AI: Navigating Regulation, Risk and Responsibility

As AI technologies advance rapidly, the legal frameworks governing their use struggle to keep pace. This panel will explore the current and emerging legal issues surrounding artificial intelligence, including intellectual property, liability for AI-driven decisions, data privacy, and ethical governance. Experts from law, industry, and government will discuss how regulations are evolving in Australia and globally, and what businesses must do to stay compliant while fostering innovation.

MODERATOR

Natasha Blycha
Managing Director – Stirling & Rose

PANELLISTS

Dr S. Kate Conroy
Wing Commander, Responsible AI Lead, Jericho Disruptive Innovation – Royal Australian Air Force

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

Dr. Muhammad Bilal Shaikh
Chair IEEE Signal Processing Society Western Australia Section, Ambassador on Entrepreneurship - IEEE Region 10, Adjunct Faculty, School of Science, Edith Cowan University, AI Researcher @ Center for Artificial Intelligence and Machine Learning (CAIML), Edith Cowan University

F3

FAST 3 – COMPANY PITCHES

3 companies | 3 slides | 3 Minutes

STREAM

DRONES, AUTONOMY & AERIAL INNOVATION

Harnessing the power of drones for smarter, safer and more sustainable operations across key industries.

- **Aerial Autonomy Across Sectors:** Transforming workflows in agriculture, mining, defence and emergency response through aerial robotics and AI-enabled decision-making.
- **Persistent Surveillance & Situational Awareness:** Using drone swarms, real-time analytics and autonomous navigation for border control, environmental monitoring and strategic operations.
- **Logistics, Delivery & Remote Access:** Exploring drone applications in asset inspection, remote site servicing, and last-mile logistics where ground access is limited.

SECTORS

Agriculture, Mining, Energy, Defence, Emergency Services, Maritime, Space, Infrastructure

TECHNOLOGIES

Drones, Robotics, Autonomy, AI, Sensors, Communications, Data Platforms

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STREAM: DRONES, AUTONOMY & AERIAL INNOVATION

All event times are currently TBC until the full program is finalised.

SESSION CHAIR

Name -TBC
Title

PRESENTATION

The Feng Shui of Tactical UxS - How Operation Spiderweb changes the threat landscape

As drone technologies rapidly advance, so too do the threats they pose to critical infrastructure, national security, and major events. This session explores the growing urgency for a coordinated national policy response, the regulatory gaps stalling both public and private sector action, and how Australia can lead the way in balancing innovation with protection across civil and military domains.

Terry van Haren
Air Commodore (Retired); Vice President, Strategy, Director – DroneShield Defence Services

PRESENTATION

Roberto Lujan Rocha
Co-Founder and Director – Squadrone; Senior Research Officer and Laboratory Manager – UWA

PRESENTATION

Smart Skies: Enabling Autonomous Drones in Controlled Airspace

As autonomous drones become central to logistics, infrastructure monitoring and emergency response, managing shared airspace is the next great challenge. This session explores how AI-driven UTM (Uncrewed Traffic Management) systems and platforms like AEROphoria are paving the way for safe, efficient, and CASA-validated autonomous operations, including beyond visual line of sight (BVLOS). Learn how the future of low-altitude airspace is being designed and governed, and what it means for policymakers, innovators, and industry leaders across agriculture, energy, defence and infrastructure.

Artur Lugmayr
Director – UXMachines

PANEL

-TBC

FAST 3 - COMPANY PITCHES

3 companies | 3 slides | 3 Minutes

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STREAM

CYBERSECURITY, AUTONOMY & INDUSTRIAL INTEGRITY

Safeguarding critical sectors as robotics, AI and autonomous systems become deeply embedded in industrial operations and national infrastructure.

- **Cyber Risk in AI-Driven Operations:** Understanding and mitigating new threat landscapes as robotics and AI increase in operational scale and complexity.
- **Securing Critical Infrastructure & Supply Chains:** Strategies to protect interconnected systems across mining, energy, space, and defence from cyber intrusion and disruption.
- **Resilient Autonomy in the Field:** Ensuring safety, reliability and decision assurance in autonomous and semi-autonomous deployments under threat conditions.

SECTORS

Mining, Energy, Space, Defence, Agriculture, Emergency Services, Communications, Critical Infrastructure

TECHNOLOGIES

Cybersecurity, Robotics, AI, Autonomy, Digital Infrastructure, Communications

CLICK HERE BACK TO PROGRAM OVERVIEW

STREAM: CYBERSECURITY, AUTONOMY & INDUSTRIAL INTEGRITY

All event times are currently TBC until the full program is finalised.

SESSION CHAIR

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

FIRESIDE CHAT

Dave Vosnakes
Director, National Office of Cyber Security
Department of Home Affairs

PRESENTATION

Securing the Energy Future — Cyber Resilience in a Connected World

As the energy sector undergoes rapid digital transformation, the stakes for cybersecurity have never been higher. In this insightful session, Rod Lazarus, Head of Cyber Security at Squadron Energy, explores how cyber resilience is being embedded into critical infrastructure, renewable energy systems, and autonomous operations. With lessons for sectors far beyond energy, this keynote highlights the practical strategies, leadership mindsets, and cross-sector collaboration needed to secure Australia's most vital assets in an era of AI, data, and autonomy.

Rod Lazarus
Head of Cyber Security – Squadron Energy

PANEL

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

Cybersecurity isn't just a stream, it's the thread that runs through every conversation at IPRAAC. This dynamic closing panel brings together senior experts from diverse sectors who have immersed themselves in the conference's key themes, from mining and space to agriculture, defence, and emergency services. With fresh takeaways, cross-sector insights, and candid reflections, the panel will highlight where cyber risk looms largest, what emerging tech demands new defences, and where urgent action is needed. It's interactive, unscripted, and real. Bring your questions, your challenges, and your curiosity.

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

Christian Frichot
Principal Product Security Engineer, Atlassian

Shana Uhlman
GM Technology, Perth Airport

Jo Wilkie
Global Marketing Director, Arbortech

PANEL

Robots Are Cool – Let's Keep Them Secure

As robotics and autonomous systems become integral to industries such as mining, defence, agriculture and space, the stakes for cybersecurity have never been higher. A single cyber attack on a remotely operated or automated system could lead to catastrophic financial losses, operational shutdowns, or even loss of life. This panel brings together leading experts in robotics, cybersecurity, and critical infrastructure to explore how we can build resilience into these technologies from the ground up. Panellists will discuss real-world threats, the latest strategies to protect autonomous systems, and the collaborative efforts needed across industry and government to ensure innovation does not come at the expense of security Attendees will leave inspired by the opportunities robotics present and feel empowered to play their part in keeping these systems safe, reliable, and unhackable.

PANELLISTS

Emma O'Neil
Director CyberWest Hub (Moderator)

Keith Bulfin
CEO – Dunedin Capital Markets; CEO – Monitors Foundation

Roberto Lujan Rocha
Co-Founder and Director – Squadrone; Senior Research Officer and Laboratory Manager – UWA

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)

STREAM

FUTURE WORKFORCE & CROSS-SECTOR COLLABORATION

Preparing the workforce for human machine collaboration and building inclusive innovation through cross-sector partnerships.

- **Workforce Transformation in the Age of AI:** Adapting skills, leadership and education for a robotics enabled world.
- **Public–Private Partnerships & Adoption Models:** Real world case studies of collaborative innovation across government and industry.
- **Ethics, Law & Governance in Emerging Technologies:** Exploring the social license, legal frameworks and ethical boundaries of AI, robotics, quantum, digital identity, privacy and cybersecurity.
- **Organisational Behaviour & Change in the Age of Autonomy:** How AI and robotics are reshaping workplace culture, leadership, trust and decision making.

SECTORS

Education, Government, Technology, Research, Resources, Space, Defence

TECHNOLOGIES

Robotics, AI, Cybersecurity, Quantum, Digital Identity, Automation, Data Analytics

CLICK HERE BACK TO PROGRAM OVERVIEW

STREAM: FUTURE WORKFORCE & CROSS-SECTOR COLLABORATION

All event times are currently TBC until the full program is finalised.

SESSION CHAIR

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

PRESENTATION

AI: Your smartest, dumbest, strangest colleague

James Healy
Managing Director - The Behaviour Boutique; Former Principal – Human Capital Consulting at Deloitte

PRESENTATION

Professor Ganna Pogrebna
Executive Director – AI and Cyber Futures Institute at Charles Sturt University

PRESENTATION

Lynette Tan
CEO – Space Faculty (Singapore)

PRESENTATION

Redefining Mental Health: The Role of AI and Technology in the Indo-Pacific

Artificial intelligence and emerging technologies are transforming the way mental health is understood, accessed, and supported across the Indo-Pacific. From AI powered diagnostic tools to digital therapy platforms and data-driven insights, technology is opening new pathways to care, reducing barriers, and enabling more personalised and effective mental health solutions. In this presentation, Edna Addai will explore how innovation is reshaping mental health support in the region, highlighting success stories, current challenges, and the opportunities ahead. She will discuss how AI and digital tools can bridge gaps in access to care, empower communities, and create more equitable health outcomes. Attendees will be inspired by the possibilities of a future where technology and compassion work hand-in-hand to improve mental health and wellbeing for millions across the Indo-Pacific.

Edna Addai
CEO – CLEAN-PILL

PANEL

The Human Edge — Building a Future-Ready Workforce for the Age of Autonomy

As robotics, AI, and cyber technologies reshape how industries operate, the workforce must evolve in step. This panel brings together leaders from government, industry, education, and research to explore how we prepare the next generation of talent, and support today's workforce for a future where human machine collaboration is the norm. Topics include ethical design, skills development, cross sector mobility, workplace transformation, and leadership models that can thrive in an autonomous world. Together, we'll ask: how do we retain the human edge in an increasingly automated environment?

MODERATOR

Zamara Rodriguez
Optus Industry Fellow & Capability Database Coordinator – Space Industry Association of Australia

PANELLISTS

Dr. Aneeq Sarwar -TBC
Senior Manager, Workforce Planning and Policy – Mining and Automotive Skills Alliance (AUSMASA)

Tully Young -TBC
Managing Director & Founder – Blue Tongue

Dr Holly Yanco
Director – New England Robotics Validation and Experimentation (NERVE) Center at UMass Lowell

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STREAM

SPACE ROBOTICS, AUTONOMY, AI AND CYBER

Exploring the frontier where robotics, autonomy, artificial intelligence, and cyber resilience converge in space operations. This stream highlights how emerging technologies are enabling safer, smarter, and more connected missions in orbit, on the Moon, and beyond. Delegates will discover the opportunities and challenges in leveraging these technologies for both space exploration and terrestrial benefit.

- **Autonomous Operations in Space:** Designing robotic systems for exploration, servicing, construction, and resource utilisation in extreme environments.
- **AI for Space Missions:** From mission planning to autonomous decision-making, how AI is accelerating space science, logistics, and exploration.
- **Cybersecurity for Space Assets:** Protecting satellites, space infrastructure, and data streams against evolving threats in the digital domain.
- **Cross-Sector Applications:** Translating lessons from space autonomy and cyber resilience into critical terrestrial industries including mining, defence, energy, and emergency services.

SECTORS

Space, Defence, Mining, Energy, Emergency Services, Infrastructure, Agriculture (cross-sector), Maritime

TECHNOLOGIES

Robotics, Autonomy, AI, Cybersecurity, Machine Learning, Digital Twins, Drones, Remote Operations, Space Systems Engineering, Communications

CLICK HERE BACK TO PROGRAM OVERVIEW

STREAM: SPACE ROBOTICS, AUTONOMY, AI AND CYBER

All event times are currently TBC until the full program is finalised.	SESSION CHAIR Name -TBC Title
	PRESENTATION Paulo de Souza Executive Dean, School of Engineering – Edith Cowan University; Former Science Director and Chief Research Scientist – CSIRO; Collaborating Scientist – NASA's Mars Exploration Rover Program
	PRESENTATION Erik Franks Founder and CEO – Cislune
	PRESENTATION Tibor Pacher Founder and CEO – Puli Space Technologies, Hungary
	PRESENTATION Renu Kannu National Robotics and Innovation Lead – Australian Automation and Robotics Precinct
	PRESENTATION **Solar power satellite (SPS) and microwave power transfer : Solution for contradiction of energy supply and climate change** Tadashi Takano Director – Space Solar Power Systems Society; Chairman of the Board – Society for Space Travel
F3	FAST 3 – COMPANY PITCHES **3 companies | 3 slides | 3 Minutes**

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STREAM

GLOBAL PARTNERSHIPS & INDO-PACIFIC COLLABORATION

Unlocking opportunities for international cooperation, joint ventures, and aligned standards in the robotics, AI and cyber ecosystem.

- **International Collaboration for Impact:** Creating opportunities for joint ventures, trade, R&D and policy harmonisation across the Indo-Pacific and beyond. This stream features voices from government, industry and multilateral institutions, spotlighting success stories and new initiatives.

SECTORS

Government, Trade, Defence, Space, Research Institutions, Investment, Industry Clusters

TECHNOLOGIES

Robotics, AI, Cybersecurity, Satellite Infrastructure, Data Systems, Policy Frameworks

CLICK HERE BACK TO PROGRAM OVERVIEW

STREAM: GLOBAL PARTNERSHIPS & INDO-PACIFIC COLLABORATION

All event times are currently TBC until the full program is finalised.

SESSION CHAIR

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

PRESENTATION

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

PANEL

Unlocking the India Opportunity — Collaboration for Innovation in Space, Robotics, AI & Cyber

India is rapidly emerging as a global powerhouse in digital transformation, defence technology, and space innovation. This panel will explore how deeper bilateral and regional partnerships can drive joint ventures, R&D, investment, and trade between India and other Indo-Pacific nations. With a focus on the convergence of space technologies, robotics, AI and cybersecurity, the session brings together voices from industry and government to discuss new frontiers for collaboration, including cross-border supply chains, standards alignment, talent exchange, and tech transfer opportunities.

MODERATOR

Dr Siddharth Pandey
Deputy Project Manager – AROSE Lunar Trailblazer Rover, Fugro SpAARC

PANELLISTS

Professor Dr Zaffar Sadiq Mohamed-Ghouse -TBC
Chair, United Nations Global Geospatial Information Management - Private Sector Network

Ankur Omar
Director & CEO – Farmonaut

Pradyumna Vyshnav
Co-Founder & CEO – Uncharted AI

Sakthikumar Ramachandran
Founder & Chief Executive Officer – OrbitAID Aerospace

Arvind Ramana
Director, Space Programs Technology Uplift – Australian Space Agency

PANEL

Collaborating for Growth: Unlocking Investment and Partnerships Across the Indo-Pacific and Beyond

The Indo-Pacific is one of the world's fastest-growing and most strategically important regions, rich with opportunities for innovation, trade, and investment. As global challenges demand collective solutions, cross-border collaboration has never been more vital for driving progress and prosperity. This panel brings together influential leaders from industry, government, and investment to explore how partnerships can accelerate growth across sectors such as robotics, AI, defence, mining, energy, and space. Panellists will share success stories, discuss emerging opportunities, and highlight practical strategies for building enduring, high-impact collaborations. Attendees will gain actionable insights into accessing new markets, forging meaningful partnerships, and leveraging the combined strengths of diverse economies across the Indo-Pacific and beyond to shape the industries of tomorrow.

MODERATOR

Rajeeshwaran Moorthy, MRAeS
Strategic Advisor to Maldives Space Agency

PANELLISTS

Lynette Tan
CEO – Space Faculty (Singapore)

Hirokazu Mori
Group CSO and CEO of USA - Warpspace

Joe Urli
Global Aerospace Advisor; Former Head of Regulatory Affairs – Hypersonix

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CLOSING PLENARY SESSION

SPEAKERS TO BE ANNOUNCED

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INDO - PACIFIC ROBOTICS AUTONOMY AI & CYBER CONFERENCE

PRELIMINARY PROGRAM

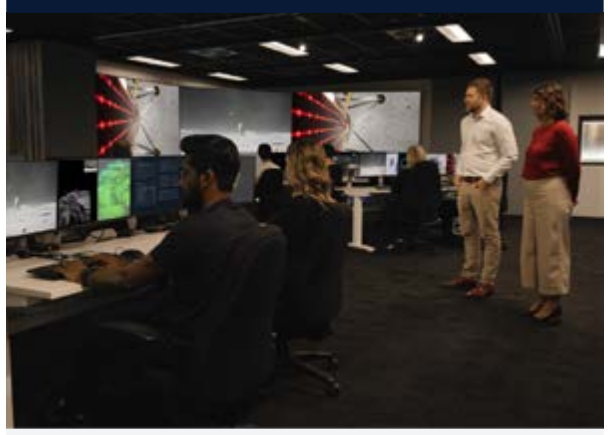
2025 PROGRAM DAY 3

Thursday 9th October 2025

TECHNICAL TOURS

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
- TBC
- Joseph Banks Secondary College,
  40 Joseph Banks Blvd,
  Banksia Grove WA 6031

FIND OUT MORE

PRELIMINARY PROGRAM

80+ CONFIRMED SPEAKERS

CONFIRMED SPEAKERS FOR IPRAAC 2025

VIEW FULL SPEAKER LIST