



DEF Australia

PROGRAM

30 SEPTEMBER – 01 OCTOBER 2019

#DEFAUS19 Forum Program

Day 1 – Mon, 30 September 2019

Time	Event	Key Speakers
0830-0900	Registration in Adams Auditorium Foyer	
0900-0915	Welcome and Admin Brief / Intro to DEFAUS	#DEFAUS19 Team
0915-1100	Session 1: Emerging Technology and Big Ideas	Ms Katherine Mansted Mr Darcy Rawlinson Dr Cathy Foley
1100-1130	Morning Tea	
1130-1300	Session 2: Environment, Energy and National Security	Dr Emma Aisbett Prof Mark Howden
1300-1330	Lunch	
1330-1500	Session 3: Innovation and Defence Industry	Mr David McKenna Mrs Gemma Whiting Mr Krishna Oruganti Mr Steve Kuper
1500-1510	Break	
1510-1600	Session 4: An innovative mindset and ADF innovators	Mr Nick Press GPCAPT Lyle Holt (Jericho)
1600-1730	Networking event	Mezzanine
1330-1600	Workshops: WS 1: 'Problem Framing' Workshop (Breakout room) WS 2: 'Intrepreneurship' and resilience in organisations (Breakout room) WS 3: Selling the Idea	Wade Tink and Ben Watson

SESSION 1

BIG IDEAS, TECHNOLOGY AND THE FUTURE

30 SEP 19 0915-1100



MS. KATHERINE MANSTED
ARTIFICIAL INTELLIGENCE

Katherine is a policy adviser, writer and advocate with a focus on emerging technologies, cybersecurity and international relations. Her publications cover information warfare, cyber-enabled foreign interference, and internet privacy. Katherine previously practiced law, and served as a ministerial adviser in the Australian Government.



MR DARCY RAWLINSON
NETWORK INTEGRATION

Darcy is a senior business leader with experience across Defence and Industry. With over 24 years of service in the Australian Army, followed by his current work within Boeing Defence Australia, Darcy has extensive leadership experience in a fast paced, technical environment. He is a leader of change and innovation within the field of military networking and communications.



DR CATHY FOLEY, CSIRO
FUTURE IMPACTS ON NATIONAL SECURITY

Dr Cathy Foley, CSIRO Chief Scientist, has made distinguished contributions to the understanding of superconducting materials and to the development of devices using superconductors for a number of applications including to detect magnetic fields and locate valuable deposits of minerals. As a leader in CSIRO, she is working to help Australia to transform to be globally competitive and sustainable by engaging with Australian researchers, government and industry to assist with the translation of research for a healthy and sustainable Australia that is also economically successful.

SESSION 2

ENVIRONMENT, ENERGY AND DEFENCE

30 SEP 19 1130 - 1300



PROF EMMA AISBETT, ANU
AUSTRALIA – AN ENERGY SUPERPOWER

Emma Aisbett is a Fellow at the School of Regulation and Global Governance (RegNet) and associate Director, Research for ANU Grand Challenge - Zero Carbon Energy for the Asia Pacific. Emma's previous research spans economic globalization, environmental policy, developing countries, and political economy.

The Zero-Carbon Energy for the Asia-Pacific Grand Challenge aims to provide research and engagement underpinning a rapid, just and sustainable transition to zero-carbon energy in the region. In particular, the project focusses on Australia's potential to contribute by exporting zero-carbon energy and zero-carbon-energy-rich products, as well as policies, frameworks, and technologies that can be use throughout the Asia-Pacific and beyond.



PROF MARK HOWDEN, ANU
CLIMATE CHANGE AND NATIONAL SECURITY

Professor Mark Howden is a global expert on climate science and is Director of the Climate Change Institute at ANU. He is a Vice Chair of the UN's Intergovernmental Panel on Climate Change and sits on the Australian National Climate Science Advisory Committee.

Professor Howden is an expert on how climate variability and climate change will impact on food production and food security and how to adapt to those impacts. He has also developed the national and international greenhouse gas inventories for the agricultural sector and assessed sustainable methods of reducing net greenhouse gas emissions from agriculture.

He is a former Chief Research Scientist at CSIRO Agriculture.

SESSION 3

INNOVATION IN DEFENCE INDUSTRY

30 SEP 19 1330 - 1445



MR STEVE KUPER (MODERATOR)
DEFENCE CONNECT

Steve has an extensive career in government, having previously worked for senior cabinet ministers at both federal and state levels, most recently for the Premier of New South Wales. He has a policy background with specialities in defence, foreign affairs, infrastructure development, industry, economics and employment.



MR DAVID MCKENNA
UNIVERSITY OF CANBERRA

Currently completing a PhD at the university of Canberra on

"What impact has the innovation ecosystem in Australia had on public policy development, delivery, and the Australia Public Service? How does this compare with global leaders in innovation and entrepreneurialism?"



MRS GEMMA WHITING
AUSTAL PTY. LTD.

Austal is the Australian shipbuilder, defence prime contractor and maritime technology partner of choice; designing, constructing and supporting revolutionary defence and commercial vessels for the world's leading operators.



MR KRISHNA ORUGANTI
QUICKSTEP HOLDINGS

A global provider of advanced composite solutions to the aerospace, defence, automotive and other advanced manufacturing sectors, Quickstep is able to manufacture complex composite parts and assemblies for 'build to print' applications, along with the design, development and manufacture of complex engineered products for its customers. Partners include: Lockheed Martin, Northrop Grumman, BAE Systems.

SESSION 4

INNOVATIVE MINDSET AND JERICHO

30 SEP 19 1500 - 1600



MR NICK PRESS
CEO CEC SYSTEMS

Nicholas Press is an Australian entrepreneur who has established multiple international businesses in the information technology, industrial technology and management consulting fields. Nicholas is currently the Founder and CEO of CEC Systems, an award-winning industrial technology company that specialises in industrial solutions for shipping and logistics headquartered in Australia, operating from Singapore and with manufacturing facilities in Vietnam and China. Nicholas is also the Co-Founder and CEO of Spojit, an Australian based IT company that has developed a new generation intelligent Process Orchestration Platform to enable companies to connect all cloud-based systems, legacy on-premises systems and Internet of Things (IoT) devices in order to automate and streamline business processes, analyse data and enable greater efficiencies



GPCAPT LYLE HOLT
DIRECTOR PLAN JERICHO

EDGY Air Force is a Jericho Air Force accelerator program that will help design, prototype and fund next gen capability from our airmen.

EDGY Air Force is about developing agility, creativity and innovation at every level in our force. The people who know our capability needs best are those that fly our planes, maintain our technology, secure our bases and work across the incredible breadth of our force.

EDGY Air Force will move around various bases and Air Force training centres. The program has three main parts IGNITE, CO-DESIGN, ACCELERATE. The whole program will be supported by an online platform to help airmen ideate, create and prototype their idea.

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Day 2 – Tue, 01 October 2019

Time	Event
0900-0910	Welcome Day Two Introduce #DEFAUS19 Board
0910-1030	Dr Lyndal Thompson Makerspace MAJ Nick Press Army Asset Utilisation Platform CAPT Calum Stewart Securing Future Supply Chains CAPT Dael Liddicoat Lightweight, deployable water purifier SGT Ken Espiritu Machine Learning and promotion boards
1030-1050	Morning Tea <i>(Board Deliberation)</i>
1100-1215	LEUT Karen Thompson Literacy and numeracy development LEUT James Bell Enterprise data management SBLT Theo Squires Generating joint cyber capability CPL Kristian Smith SPS Power Inverter SIG Jacob Greenberg Gamified Exploitable Box
1215-1245	Lunch <i>(Board Deliberation)</i>
1245-1400	LT Chris Thorburn Bushmaster PWS achieving DFSW like support CAPT David Cooling Autonomous systems, machine learning and EOD PTE Duy Nguyen F89 ergonomics CAPT Jim Rodgers Red Team AI Extenders FLTLT David Farrell Platform Capability Matrix
1400-1415	Break
1415-1500	Board Presentations and Closing by MAJGEN Toohey
1500	Forum close and depart

#DEFAUS 19 PANEL

01 OCT 19



**RADM PETER QUINN
AM, CSC**

Head of Navy Capability



**BRIG RICHARD VAGG
DSC**

Director General Systems
and Integration Army



**AVM CATHERINE ROBERTS
AM, CSC**

Head of Air Force
Capability



GPCAPT DITURTON

Director Defence Artificial
Intelligence Coordination
Centre



MR TODD MANSELL

Chief Science Strategy and
Program Division, Defence
Science and Technology Group



AIRCDRE KEN ROBINSON

Director General Workforce
Planning

#DEFAUS19 Network



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