

ADM AUSTRALIAN DEFENCE MAGAZINE DEFENCE WEEK

PREMIUM EDITION

SERVING THE BUSINESS OF DEFENCE



PTE Levi Wauchope of NORFORCE's Darwin squadron supporting COL Papalitsas at the summit.

ABC NEWS: ALEX TIGHE

The north is getting busier

Ewen Levick | Darwin

ADM's seventh annual Northern Australia Defence summit took place in Darwin this week, attracting close to 200 delegates and a range of speakers to discuss growing changes to the military and industry outlook for Australia's north.

This year's highlights included NT Chief Minister Michael Gunner, RFSG Commander Colonel John Papalitsas, Defence Export Advocate David Johnston, Marine Corps Attaché Lieutenant Colonel Robert Burrell, US Force Posture Initiative Director Brigadier Mark Brewer, Defence's Director of US Alliance Policy Mikaela James, and former Minister for Defence Christopher Pyne.

Minister Gunner opened proceedings with an overview of Darwin and the NT's strategic value for Australia, including as an ingress and egress for power projection on and around the Australian continent.

"I am here to support the case for the north, highlighting our significance as a

IN THIS ISSUE

The north is getting busier	1
NZ brings in updated procurement rules	4
The Pacific slip up?	5
Penten partners with CSIRO on cyber defences	8
Jeumont Electric tapped for Attack class propulsion	10
New seminars to boost opportunities for SMEs	11
Forthcoming Events	13

strategic staging post,” Minister Gunner said.

Minister Gunner also highlighted the fact that whilst the well-planned intervention in East Timor in 1999 showed Darwin’s ability to ‘turn on’ in the event of an emergency, it also mistakenly suggested it could be ‘turned off’. The city, Minister Gunner said, retains its importance for launch and recovery and constantly ‘stands watch’ over the north.

He then pointed to a number of infrastructure and economic projects on the NT’s horizon. These include a number of natural gas investments and the highly ambitious Sun Cable project, which aims to build a 15,000 hectare solar farm and

battery storage facility near Tennant Creek that will meet 20 per cent of Singapore’s electricity needs (roughly 3 gigawatts) through a direct High Voltage Direct Current (HVDC) cable.

UMSC Colonel (Ret’d) Grant Newsham of the Japan Forum for Strategic Studies then made a case for a greater American presence in the Territory, potentially in the form of a full Marine Expeditionary Unit – Amphibious Ready Group (MEU-ARG) composed of an amphibious assault ship, an amphibious transport dock ship, and a dock landing ship. This, COL (Ret’d) Newsham argued, would provide a constant US presence in the region to counter the potential Chinese MEU-ARG equivalents that may be a more frequent sight in coming decades.

“There is no other place,” he argued. “There is no room in Japan and Guam is full. Why not also have a Joint HQ here?”

Colonel John Papalitsas, Commander of Army’s [Regional Force Surveillance Group](#) (RFSG), brought his characteristic vigour to the stage to update delegates on the Group’s achievements in the year since its founding. He was accompanied by two RFSG soldiers carrying Indigenous weapons of war, traditional spears.

“We are within the north, facing north, and protecting the north,” COL Papalitsas said. “We draw on 85,000 years of Indigenous warrior history and 100 years of ANZAC to protect the border and close the gap.”

“We are within the north, facing north, and protecting the north”



Delegates at the seventh annual ADM Northern Australia Defence Summit in Darwin.

EWEN LEVICK

The scale of RFSG's operations always make for impressive reading. The Group is able to provide Canberra and the joint force with live surveillance within five minutes of a contact occurring throughout their AO, which covers half the Australian continent and five per cent of the world's land surface. They are also the only recruit training organisation outside Kapooka and currently sit at over 40 per cent Indigenous representation, aiming to hit 50 per cent.

Colonel Papalitsas also gave an anecdotal example of what the Group can do. In March, the lives of 21 residents of a community near Karratha in WA were threatened in excessive floods following Cyclone Veronica, with WA Police unable to cross the floodwaters to rescue them. RFSG was able to mobilize 15 G-wagons, cross the floodwaters and save all 21 residents within 45 minutes, earning a congratulatory phone call from WA Premier Mark McGowan.

Other presenters included OPV Transition Director Captain Anthony Savage, who spoke of his goal to achieve a platform-agnostic continuous sustainment

model, and Director of US Alliance Policy for Defence Mikaela James, who covered the role the NT plays in Australia's engagement in the Indo-Pacific and with the US.

Former Minister for Defence Christopher Pyne discussed opportunities for the NT in Australia's \$200 billion spend on Defence capability over the next decade.

"When I think of the NT and how it's going to capitalise on this, the word that came to mind was 'uniqueness'," Pyne said. "Everyone's claiming to have the secret sauce as to why projects should be based in their state. The NT is already moving to take advantage of this opportunity."

"The Territory government's \$400 million investment in the ship lift capability gives the NT significant and real infrastructure that competes with other ports around Australia, even for full cycle docking for different platforms in the years to come."

"Having at least one person whose job is the promotion of your industrial and military capabilities is also a vital part of the NT winning work in that military build-up."

"The Territory needs to make a lot of the fact that it is the most critical strategic part of Australia's defences. Its importance cannot be overstated."

The second day saw delegates split into two streams; Defence Infrastructure and Workforce and Indo-Pacific Defence and Security. The former saw talks on additive manufacturing, NT workforce skills capacity and employing the local community, whilst the latter covered strategic issues from pandemic threats to AI/big data and transnational crime.

More coverage from ADM's Northern Australia Defence Summit will be available in the December/January edition.

"The Territory government's investment in the ship lift capability gives the NT significant and real infrastructure"



NZ's 1 Brigade on exercise in the Waiouru Training Area.

NZDF

NZ brings in updated procurement rules

Julian Kerr | Sydney

New Zealand has begun implementing updated procurement rules across sectors including defence that ban offsets but outline requirements for 'broader outcomes' such as economic benefits.

The rules state that each government procurement agency, including the Ministry of Defence and the NZ Defence Force "must consider and incorporate where appropriate, broader outcomes when purchasing goods, services or works" with procurement agencies requested to designate such broader out-

comes in tenders.

These require those involved to consider not only the whole-of-life cost of the procurement but also the costs and benefits to society, the environment, and the economy.

The new 'Government Procurement Rules, 4th Edition' were activated in October to replace the 'Government Rules of Sourcing' which were first published in 2013.

Contractors are requested in large procurements to structure contracts into separate subcategories to better enable small local businesses to compete for parts of the procurement.

Under Public Value Rule 4, the principle of public value does not mean selecting the lower price but rather the best possible outcome for the total cost of ownership; selecting the most appropriate procurement value that is proportionate to the value, risk and complexity of the procurement will help achieve public value.

"The principle of public value does not mean selecting the lower price but rather the best possible outcome"

The new procurement rules state that offsets, including offsets in defence procurement, will continue to be banned as discriminatory, stating “an agency must not ask for, take account of, or impose any offset at any stage in a procurement process.”

The NZ Defence Industry Association (NZDIA) said the new requirements present both challenges and opportunities to industry from outside and within NZ.

For NZ, Australian or international companies interested in supplying government agencies, shorter and simpler tender documents could be expected as could more proportionate pre-conditions and mandatory requirements, with the responsibility for managing risk being placed with the party best able to do so.

Such companies could expect more explicit requested from agencies for information of how they were encouraging the development of NZ supply chains, the NZDIA said.

More scrutiny could also be expected of the terms imposed on sub-contractors, and obligations imposed for them to be paid in 30 days or less.

The Pacific slip up?

Lincoln Parker | Sydney

Australia's Pacific relations took a hit last week after it was reported that the Solomon Islands Government is [leasing](#) the island of Tulagi to a Beijing-based company with [close ties](#) to the Chinese Communist Party.

As part of the Tulagi lease, China's Sam Group will be able to survey the island for oil and gas developments, contravening many Pacific island nations' demands for global climate action to protect their pristine environment and quality of life.



An Australian MRH-90 lands to deliver polling boxes in the Solomon Islands.

DEFENCE

A recent [New York Times](#) article quotes local Tulagi resident Michael Salini as saying “everyone is really scared about the possibility of China turning the island into a military base. That is what really scares people — because why else do they want to lease the whole island?”

Many experts expect Chinese backed developments in the Solomon Islands, and elsewhere along their One Belt One Road, are primarily “for [military](#) rather than just commercial purposes.”

With the Solomons and other Pacific islands swapping diplomatic recognition away from democratic Taiwan towards China, the argument for Australia to bolster its soft power projection and stabilising influence across the Indo Pacific has never been greater.

It was at this time that an unassuming but highly experienced man quietly slipped into Sydney from East Asia. US Marine Corps Colonel (Ret'd) Grant Newsham may now be retired from the Marines but is as committed and active now as he was nearly a decade ago when he was appointed the first US Marine Liaison Officer to the Japan Ground Self-Defense Force. It was in this role that he was instrumental in developing the Japanese Amphibious Rapid Deployment Brigade (ARDB). Nowadays, among other activities, Newsham is conducting research on a Taiwan Ministry of Foreign Affairs fellowship – considering how to improve the island's defence capabilities.

I asked Newsham if he wouldn't mind spreading his knowledge and wisdom to our amphibious group at Fleet Headquarters. Both sides agreed.

Whilst amphibious operations are not new to the ADF, a dedicated amphibious force was only recently established with full operational capability coming on line in the last few years. Australia's Amphibious Task Group, although young, is professional and formidable. It operates from the Canberra Class Landing Helicopter Docks (LHD), comprises professional soldiers primarily from 2 RAR and rotations of Special

Forces. In a short amount of time it has proven it can mix it up with the best in the business.

In this year's [Talisman Sabre](#) exercise, we saw the Australian Amphibious Task Group undertake an amphibious assault alongside US, UK, Japanese and NZ forces. For the first time both of the RAN's LHDs employed their extensive amphibious capabilities together. This is important because successful amphibious operations entirely depend on cooperation and coordination.

As Newsham stated: “When it comes to amphibious operations, you either cooperate or you fail.”

A pleasing development to Newsham and all participants of Talisman Sabre was the participation of the Japanese ARDB aboard the JMSDF ships JS *Ise* and JS *Kunasaki*. In an uncertain and increasingly unstable Indo-Pacific, expect to see more joint operations occur between Australia, Japan and the US, according to Newsham.

Amphibious operations are also very useful in humanitarian assistance and disaster relief (HADR) crises. For instance, in February 2016, HMAS *Canberra*

“Strong arguments could be made for increasing the scope of Australia's amphibious operations”

deployed to Fiji after Tropical Cyclone Winston severely damaged the island chain and provided much needed assistance to local communities.

With the Australian Government's [Pacific Step Up](#) policy now in its third year, increasing the number of joint training exercises and port visits by the ADF to Pacific island nations, especially the Solomon Islands, is more important than ever. Sustained, regular engagements help create a positive image of Australia while also demonstrating to local communities that they are our friends, treated as equals.

Strong arguments could be made for increasing the scope of Australia's amphibious operations, including acquiring a number of smaller amphibious ships that will enable the ADF to cover more territory with smaller units. This would be especially useful when setting up a network of smaller, dispersed units armed with long-range precision weapons, according to Newsham.

However, on the whole he has been very impressed with our amphibious capabilities and professionalism displayed by our soldiers, remarking "going from a standing start to a decent amphibious capability in such a short time is no small feat."

His final remark to me was: "The problem with the Australians is that there aren't 10 times more of them."

PEOPLE ON THE MOVE

Cate McGregor recently joined ASPI as the inaugural Women in Defence and Security Adviser following a distinguished career in the ADF. Cate served as the speech writer to every Chief of the Army from 1999 until her retirement from the Army in 2014 when she transferred to the RAAF as Director of Research and Analysis to the Chief of Air Force.

Claroty has announced a new CEO. With over two decades of experience, Thorsten Freitag's focus will be on significantly expanding Claroty's global footprint and accelerating its innovation to protect customers against increasingly complex OT/IoT cyber threats.

Prominence Consulting has appointed three new Industry Directors: Marcia Hoffmann, Industry Director – Government; Don Roach, Industry Director – Defence and Industry; Craig Haughin, Industry Director – Infrastructure, Health and Community Services.



Penten lays digital traps for would-be attackers.

THINKSTOCK

Penten partners with CSIRO on cyber defences

The Cyber Security Cooperative Research Centre (CSCRC) has announced a major research project between [local cyber security company Penten](#) and CSIRO's Data61, the data and digital specialist arm of Australia's national science agency, to extend the country's sovereign advantage in autonomous and active defence.

Announced at CSIRO's D61+ LIVE event in Sydney, the project will provide Penten with access to Data61's AI research expertise. The research will focus on extending Penten's work on applying AI to turn the tables on cyber attackers, using deception technology like 'cyber traps' and 'decoys', part of an emerging category of cyber security defence.

"This is a significant announcement for the Australian cyber research community," Rachael Falk, CEO of the CSCRC, said.

"The collaboration brings together one of Australia's most innovative companies with our national science agency to collaborate on solving challenging problems in our field.

"Strong cyber security is critical for our economy and for Australia's prosperity. We are excited by the opportunities this collaboration presents," Falk said.

Penten, Data61 and the CSCRC are looking to fill two Post-Doctoral Research Fellowship positions and is offering five PhD scholarships of up to \$50,000 per annum to work on applying AI and machine learning to create deceptive and plausible computer systems and data.

"Unlike what you see on CSI, it is hard to detect intrusions and data theft," Penten CEO Matthew Wilson said. "Not because traditional systems are incapable, but because criminals and people with malicious intent are always looking for new ways to hide their actions in the noise of everyday computer activity. Even when we do find something, traditional tools don't often tell us 'who' or 'why'.

"We have been exploring how to fight back against these attackers by interspersing decoy computers and data amongst real assets. Because they don't have any real value, the decoys act as digital tripwires. We discover the attackers and learn more about them by capturing their actions, observing what they choose to interact with and placing homing beacons in the decoys," Wilson said.

"Cyber traps work best if the content is realistic, enticing and does not interfere with legitimate users. Making these cyber traps by hand and optimising for these requirements is very time consuming for cyber defenders. Our solutions use artificial intelligence to learn the patterns of activity and content from surrounding computers and data," Wilson continued. "We then use this information to create realistic and believable mimics.

"This means we can deliver suitable content extremely efficiently, tailored to a customer environment and with minimal effort on the part of the defender," Wilson concluded.

Penten has been operating for four years and has grown to over 75 employees. The company have developed AI tools that generate and update decoy and trap documents, military radio communications, Wi-Fi access points and active network hosts.

Dr Surya Nepal, Senior Principal Research Scientist at CSIRO's Data61 and Security Automation and Orchestration team leader at the CSCRC said the partnership could help Australia create new technologies that can reach global scale.

"As cyber threats increase in volume and sophistication, AI and machine learning offer an opportunity to assist overwhelmed human defenders and speed up decision making and response. It also allows us to deliver more agile defences in a way that we were not able to before," Dr Nepal said.

"We have been exploring how to fight back against these attackers by interspersing decoy computers and data amongst real assets"

MOST READ ONLINE AT WWW.AUSTRALIANDEFENCE.COM.AU



1. [Where to for Navy given the forecast?](#)
2. [US drops Lynx from IFV competition](#)
3. [The reasons behind the Land 400 Phase 3 decision](#)
4. [The warship is dead](#)
5. [Samsung Galaxy certified by ASD](#)

Jeumont Electric tapped for Attack class propulsion

Naval Group has signed a subcontract with Jeumont Electric of France for the design of the Main Electric Propulsion Equipment for the Attack Class submarines.

The Main Electric Propulsion Equipment converts electrical power using converter cubicles into mechanical power and then propels the submarine through the water.

The selection of Jeumont Electric recognises the company's experience on submarine programs, including the Collins Class submarine program.

“The company says wider Australian industry will also have the opportunity to supply components”

“The engagement of Jeumont Electric has been undertaken with the objectives of maximising Australian industry involvement in the Attack Class submarine program, and ensuring we continue to develop the sovereign capacity to build, operate and sustain our submarines in Australia,” Naval Group said in a statement.

Jeumont Electric will establish a fully owned Australian subsidiary (Jeumont Electric Australia), transferring the capabilities to support the operation and sustainment of the subsystem to Jeumont Electric Australia. Jeumont Electric Australia will be the Engineering Design Authority providing training, conducting various levels of maintenance tasks and managing spare parts for the Main Electric Propulsion Equipment.



Jeumont Electric also has experience on the Collins class submarines.

DEFENCE/ASC

The company says wider Australian industry will also have the opportunity to supply components of the equipment.

This is the third subcontract for major subsystems for the Attack class submarine established by Naval Group, with MTU being awarded the subcontract for the design of the Diesel Generator Rectifiers on 2 April, and Schneider Electric France awarded the subcontract for the design of the Main DC Switchboards on 27 May this year.

Jeumont Electric also [recently signed](#) a Heads of Agreement with ASC to identify joint business opportunities across Australia's Collins Class and Attack Class submarine programs, as well as Australia's marine generator and rotating electrical machinery market.

New seminars to boost opportunities for SMEs

Hunter Defence has launched a series of 'Defence Ready' seminars designed to help SMEs break into or expand their footprint in defence industry.

Hunter Defence taskforce chair Tim Owen said the seminars were the perfect way for manufacturers and service-based firms interested in working in defence to find out how to position their business to take advantage of opportunities in the sector.

"Defence can be a hard sector to crack if you don't have the required accreditations, contacts and quality standards, but the rewards are rich for those who make



The arrival of F-35s at RAAF Williamtown is an opportunity for Hunter defence industry.

DEFENCE

the effort to be 'Defence Ready' and market their products well," Owen said.

"We have seen companies in the Hunter like Varley Group grow their defence business from a single contract to a huge portfolio of contract work across land, sea, air and cyber.

"With the arrival of the JSF program at Williamstown, there has never been a better time for Hunter firms to explore opportunities in defence."

"There has never been a better time for Hunter firms to explore opportunities in defence"

The Defence Ready seminars are designed to help SMEs build the organisational capabilities and competencies that will help them win work with Australian and international primes. The initiative has already attracted international attention, with a party in NZ interested in presenting the course for SMEs across the Tasman.

The series will launch with a Defence Introduction seminar at the University of Newcastle on Monday 4 November. The course has been developed by a number of partners in the Hunter Defence Taskforce including Goal Group, AIDN, HunterNet and McLean Management Consultants.

Further seminars, targeting specific areas of defence industry involvement tailored to firms at various levels of industry engagement will be rolled out in 2021.

More about the seminars or book a place in the Defence Introduction course is available here.

CONTACT DETAILS

MANAGING EDITOR

Katherine Ziesing
T: 0419 014 308

katherineziesing@yaffa.com.au

ONLINE EDITOR

Ewen Levick
T: 02 9213 8249

ewenlevick@yaffa.com.au

ASSOCIATE PUBLISHER

Kylie Leonard
T: 07 3087 5101

kylieleonard@yaffa.com.au

ART DIRECTOR

Ana Heraud

SUBSCRIPTIONS

Martin Phillpott
Toll Free 1800 807 760

martinphillpott@yaffa.com.au

CONTRIBUTORS

Julian Kerr
T: 0418 635 823

jhrhkerr@bigpond.net.au

Nigel Pittaway

M: 0418596131

cnppittaway@bigpond.com

Copyright © 2019



PUBLISHED BY

Yaffa Media Pty Ltd
17-21 Bellevue St,
Surry Hills NSW 2010
T: 02 9281 2333

www.greatmagazines.com.au

ADM CANBERRA OFFICE

PO Box 4783, Kingston ACT 2604
T: 02 6203 9535

ADM BRISBANE OFFICE

PO Box 9165,
Wynnum Plaza Qld 4178
T: 07 3348 6966

www.australiandefence.com.au

SUBSCRIPTIONS GREATMAGAZINES.COM.AU **CALL** 1800 807 760 **EMAIL** SUBSCRIPTIONS@YAFFA.COM.AU

All material appearing in ADM is copyright. Reproduction in whole or in part is not permitted without permission in writing from the publisher. The publishers accept sole responsibility for the contents of this publication, which may in no way be taken to represent the views of the Department of Defence, the Australian Defence Force or any other agency of the Commonwealth of Australia.

Forthcoming Events

ADM EVENTS

More detail on **ADM** Events can be found on our dedicated website:

- [ADM 2020 Congress](#) – 19 February 2020

ASDEFCON TD/IP Courses – ACT

Date 29 – 30 October 2019

Location ACT

Website defence@majortraining.com.au

Defence have begun delivery of its short course on the new Technical Data / Intellectual Property (TD/IP) clauses in its ASDEFCON suite of templates. The new clauses provide far more flexibility and scope to deal with TD/IP issues but require a better understanding from both Defence and Industry. Defence is delivering this course around Australia and offering a number of spaces to Defence Industry: 6-7 August 2019 in WA; 28-29 August 2019 in Victoria; 23-24 September 2019 at RAAF Richmond; 29-30 October 2019 and 24-25 February 2020 in the ACT.

AIDN QLD Young Achiever Award

Date: 31 October 2019

Location: TBC

Website: info@aidnqld.com.au

Driven and talented young people are the key to the future of the defence industry. In order to recognise individuals who may be future industry leaders, AIDN has created the AIDN Young Achiever Award. Nominations for the 2019 AIDN QLD YAA (YAA) are now open. The award is held at the AIDN QLD level and the winner will compete for the national award.

2019 Defence Innovation Hub

Date 04 November 2019

Location National Ballroom, Hotel Realm

Website www.eventbrite.com.au

Defence and Industry stakeholders are invited to hear from senior Defence leaders as they discuss future opportunities and challenges for defence industry innovation at the 2019 Defence Innovation Hub Annual Industry Conference. The Defence Innovation Hub Annual Industry Conference provides an opportunity for representatives from industry and defence to learn more about Defence's capability needs and priorities, as well as hear broader perspectives on Defence, Industry, and Innovation.

NSW Defence Innovation Network's Regional Road Show

Date: from 04 November, 2019

Location: Various

Website: <https://defenceinnovationnetwork.com/din-regional-road-show-2019-20/>

NSW Defence Innovation Network and AIDN will be undertaking a series of small business focused regional forums across NSW. Register to attend and hear about the programs, grants, opportunities and services the NSW Defence Innovation Network (DIN) provides to the small business community across NSW. We encourage small businesses to engage with us and participate in opportunities across our networks, including DIN's seven partner universities, as well as with other state and federal agencies.

Defence Ready Seminar Series – Defence Introduction

Date: 04 November 2019

Location: University of Newcastle

Website: <https://www.eventbrite.com.au/>

Hunter Defence, in collaboration with Australian Industry & Defence Network – NSW Incorporated (AIDN NSW), is launching a Defence Readiness Seminar series designed to educate, prepare, grow and mature NSW businesses who are either active in, or considering, Defence as a business opportunity. The Defence Introduction is a one day seminar that covers the basics of Defence awareness, including such things as procurement, Defence needs, innovation funding, Global Supply Chains and a description of Defence Readiness.

GEO Week 2019

Date: 4 – 9 November 2019

Location: Canberra

Website: <http://geoweeek2019industrytrack.com.au/registration.php>

Technology and space companies from around the world are invited to participate in the Group on Earth Observations (GEO) 'GEO Week 2019' as part of the brand new Industry Track. GEO Week 2019 will be held in Canberra, Australia, from 4-9 November 2019.

2019 Parari Australian Explosive Ordnance Safety Symposium

Date: 05-07 November

Location: ADFA

Website: parari@defence.gov.au

This year's symposium brings together delegates from around the world to discuss the latest innovations and advances in explosives, munitions and weapons safety. International and local experts from industry, academia, military and government will share their research to explore Explosive Ordnance Safety opportunities and challenges as a community.

EW Australia 2019 Canberra Symposium

Date: 06 November 2019

Location: QT Hotel, Canberra

Website: aomevents.eventsair.com/aoc-convention-2019/aoc-symposium

Held at the QT Canberra on Wednesday 6 November 2019, this thought leadership symposium will focus on ‘Electronic Warfare Battle Management and Manoeuvre in the Cyber and Electromagnetic Battlespace’. Attendees will have access to dedicated sessions on EW and Cyber Security, while being able to maintain connections and expand networks within the Australian EW and Cyber Defence Community.

National Defence Industry & Workforce Skilling Summit

Date 6-7 November 2019

Location Perth

Website www.eventbrite.com.au

The National Defence Industry & Workforce Skilling Summit will be held in Perth from 6-7 November 2019. Join representatives from government, industry, academia and peak industry bodies, to explore the complex skills challenges facing Australia’s defence industry.

WDSN Speed Mentoring – Melbourne

Date 7 November 2019

Location Monash Conference Centre, Melbourne

Website aspi.cmail19.com/t/j-l-cbady-jtirtdtn-g

ASPI’s Women in Defence and Security Network and Monash Gender, Peace and Security Centre are delighted to invite you to attend this year’s Speed Mentoring event in Melbourne. Participants will have access to women mentors working across several different fields, including intelligence and national security, cyber security and STEM, academia, international aid and foreign policy, politics, media and journalism, international trade policy, NGO’s and civil society organisations, industry and defence.

Defence Ipswich Supply Chain Opportunities Symposium 2019

Date: 08 November 2019

Location: Ipswich

Website: live.eventtia.com/en/defenceipswichsymposium2019/Home

Following the successful Queensland Defence Summit Ipswich 2018, Ipswich City Council, proudly supported by the City of Ipswich Defence Industry Development & Attraction Committee, will host our next annual event, the Defence Ipswich 2019 Supply Chain Opportunities Symposium. The event brings together defence and industry participants from government, industry and academia to exchange information and connect with key decision makers over networking and B2B sessions.

MilCIS 2019

Date 12-14 November 2019

Location Canberra Convention Centre

Website www.milcis.com.au

In November each year, the Defence Chief Information Officer Group (CIOG) partners with the UNSW Canberra and the Institute of Electronic and Electrical Engineers (IEEE) to present MilCIS. The annual Military Communications and Information Systems (MilCIS) Conference welcomes military and government organisations, academia, and defence industries to contribute to the future direction of military communications and information systems.

Defence Ready Seminar – Defence Business Development 101

Date: 18 November 2019

Location: University of Newcastle

Website: <https://www.eventbrite.com.au/>

A one-day seminar that provides valuable information to help aspiring businesses prepare for their entry to the Defence market by engaging a thoughtful strategy, identifying tenders, following a logical response process, and making the best use of trade shows. There will also be the opportunity to meet with experienced regional Industry network leads for a tailored one-on-one consultation following the seminar from either Hunternet or AIDN NSW.

SubSTEC 5 Conference

Date 18-21 November

Location Esplanade Hotel, Fremantle

Website www.submarineinstitute.com

The 5th Submarine Science, Technology and Engineering Conference (SubSTEC 5) will be held at the Esplanade Hotel, Fremantle, WA 18th-21st November 2019. The theme of the Conference will be: 'Innovation and Investment in the Sub-Sea Environment'. SubSTEC5 will be held with the support of the Institute of Marine Engineering, Science and Technology (IMarEST).

Defence Seaworthiness Symposium

Date 21-22 November

Location ADFA, Canberra

Website www.defence.gov.au/seaworthiness/Contact_Symposium.asp

The Office of the Defence Seaworthiness Regulator is hosting the inaugural Defence Seaworthiness Symposium in Canberra 21-22 November 2019. The theme of the symposium is 'Reforming to Transform – Seaworthiness as a Defence wide priority'. Day 1 will consist of an address from VADM Michael Noonan and presentations from Capability Managers and their representatives as well as an informative panel discussion. Day 2 will consist of 2 concurrent workshops facilitated by staff from the Office of the Defence Seaworthiness Regulator. Places are strictly limited.

World Engineers Convention

Date 22 November 2019

Location Melbourne Convention and Exhibition Centre

Website www.wec2019.org.au

World Engineers Convention (WEC) 2019 is the peak international convention for engineers worldwide. Students will have the opportunity to meet and interact with engineering leaders who have helped influence and change the face of engineering.

Corrosion and Prevention 2019

Date 24-27 November

Location Crown Promenade, Melbourne

Website conference.corrosion.com.au

Corrosion and Prevention 2019 will bring together leading researchers and industry practitioners who combat corrosion daily. Diverse technical streams will showcase the latest developments in corrosion, ranging from fundamental corrosion science to hands-on application.

Space Systems Breakfast Seminar

Date: 28 November 2019

Location: Lot Fourteen, Adelaide

Website: <https://au.mathworks.com/>

Join us for a breakfast seminar to hear about trends in the rapidly evolving global space industry, and learn how engineers use MATLAB and Simulink for satellite and space mission modelling, satellite communications system design and satellite data analysis including deep learning. MATLAB and Simulink technical experts will provide demonstrations, best practices, programming tips and insights.

The 26th Session of the Asia – Pacific Regional Space Agency Forum

Date: 26 – 29 November 2019

Location: Nagoya, Japan

Website: www.aprsaf.org/annual_meetings/aprsaf26/meeting_details.php

The 26th Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-26) will be held in Nagoya, Japan from 26-29 November 2019.

2020

AIDN National Defence Industry Gala Dinner 2020

Date 19 February 2020

Location QT Hotel Ballroom

Website consec.eventsair.com/aidn-2020/dinner/Site/Register

AIDN National invite you to attend a defence industry gala event not to be missed. The dinner will include pre dinner drinks and canapes on arrival followed by a gourmet two course dinner served with premium beverages. Guests will enjoy an evening of networking, socialising and fun which includes a VIP guest speaker, presentation of the AIDN National Young Achiever Award and Silent Auction with all proceeds donated to Legacy

Certificate IV in Responding to Organisational Complexity | Adelaide

Date 19-21 February, 2020

Location to be confirmed

Website iccpm.com/events/certificate-iv-adelaide-2020

Developed and offered exclusively by ICCPM (RTO number 41394), the Certificate IV in Responding to Organisational Complexity helps project leaders develop the skills and attributes they need to respond to complexity, as defined in the Complex Project Manager Competency Standards. This is a highly interactive course which introduces project leaders to useful tools and methodologies with a strong focus on the practical application of concepts to real-world situations.

Certificate IV in Responding to Organisational Complexity | Canberra

Date 24-26 March, 2020

Location to be confirmed

Website iccpm.com/events/certificate-iv-canberra-2020

Developed and offered exclusively by ICCPM (RTO number 41394), the Certificate IV in Responding to Organisational Complexity helps project leaders develop the skills and attributes they need to respond to complexity, as defined in the Complex Project Manager Competency Standards. This is a highly interactive course which introduces project leaders to useful tools and methodologies with a strong focus on the practical application of concepts to real-world situations.

CIVSEC 2020

Date 24-26 April 2020

Location Melbourne Convention and Exhibition Centre

Website www.civsec.com.au

CIVSEC 2020 International Civil Security Congress and Exposition is your gateway event to the growing Indo-Asia-Pacific civil national security environment. CIVSEC 2020 is a premium international event with exceptional opportunities to reach key driver organisations in an evolving, tech-savvy regional marketplace.

Rotortech 2020

Date 16-18 June 2020

Location Royal International Convention Centre, Brisbane

Website www.rotortech.com.au

RotorTech 2020 is the region's premier helicopter and unmanned flight systems showcase and forum, bringing together operators, manufacturers, suppliers, regulators and government across the Indo-Asia-Pacific. With a comprehensive three-day free industry conference program, RotorTech 2020 will also feature manufacturers technical workshops and an industry exhibition showcasing more than 100 helicopter and unmanned flight related companies.

43rd COSPAR Scientific Assembly

Date 15 – 22 August 2020

Location International Convention Centre Sydney

Website www.cospar2020.org

The Australian space research community enthusiastically extends the invitation to you, to meet with us for COSPAR 2020, and in so doing to forge the friendships and opportunities that will connect space research for global impact. The 2020 Assembly will combine the latest in space research findings with activities designed to enrich the global space research community – including helping equip our future leaders, and workshoping with space industry – and inspire the next generation of scientists and engineers.

Land Forces 2020

Date 01-03 September 2020

Location Brisbane Convention Centre

Website www.landforces.com.au

The biennial LAND FORCES exposition is an international industry event to showcase equipment, technology and services for the armies of Australia and the Indo-Asia-Pacific. The Land Forces 2020 team is now setting about ensuring the event will achieve its goals of providing an effective platform for the exchange of ideas on key land forces issues and of taking Australian industry to the world

2021

Avalon 2021

Date 23 – 28 February 2021

Location Avalon Airport

Website

The Australian International Airshow and Aerospace & Defence Exposition is one of Asia-Pacific's most prestigious aviation and aerospace events and the most comprehensive aviation, aerospace and defence exposition in the southern hemisphere. Avalon hosts multiple concurrent conferences and expo streams, across the spectrum of Defence, Airlines, Business and General Aviation, Sport and Recreational Aviation, Airports, MRO, Space, Unmanned Systems, Air Safety and Ground Equipment.