

ADM **DEFENCE WEEK** AUSTRALIAN DEFENCE MAGAZINE SERVING THE BUSINESS OF DEFENCE **PREMIUM EDITION**



200 of the 4000 people involved in Pitch Black were aircrew members. The other 3800 were support staff.

DEFENCE

Exercise Pitch Black wraps up

Nigel Pittaway | Darwin, Batchelor & Tindal

The thunder of fighter jet afterburners over the Top End was silenced on August 16, with the conclusion of the last of around 1,120 Pitch Black air combat missions.

The three-week [Pitch Black exercise](#) formally wrapped up the following day and aircraft from the RAAF and partner nations began returning to their home bases, drawing the most successful and diverse exercise in the series to an end.

Altogether almost 140 aircraft from nine countries flew missions during Pitch Black, flying from Darwin, Batchelor, Tindal, Kununurra and Amberley. But Pitch Black 18 was much more than large numbers of aircraft launching each day to fight one another. It was also about the people.

IN THIS ISSUE

Exercise Pitch Black wraps up	1
Army targets drone literacy with Phantom delivery	3
Innovation and equity the themes at ADM's STEM in Defence summit	5
First Buccaneer satellite mission hailed as a success	8
Melbourne school wins Lockheed Martin code programming competition	9
ISO publishes small satellite guidelines	10
Anywise becomes a certified B Corporation	11
Forthcoming Events	12

16 nations and an estimated 4,000 people – 2,500 Australians and 1,500 [partners and allies](#), including observers – were involved in the exercise. For the junior aircrew, it was a priceless opportunity to learn from their colleagues from different nations, from different cultures and backgrounds, and forge ties which can only bode well for regional stability and co-operation in years to come.

But according to Officer Conducting Exercise, Air Commodore Mike Kitcher, only 200 of those 4,000 people involved were aircrew members. The other 3,800 people were support staff – from aircraft maintenance personnel to logisticians, from aircraft refuellers to security detachments and from cooks to medical personnel.

“Without those 3,800 support personnel, we would get nowhere”

“Whilst it’s very easy to focus on the aviators flying the aircraft, they are but a very small part of what is a very big machine here,” he said. “Without those 3,800 support personnel we would get nowhere, so I think that’s a really important thing to understand.”

A further example was provided by Wing Commander Andrew Tatnall, Senior ADF Officer at RAAF Base Tindal during the second week of Pitch Black. Tindal was home to 34 aircraft and personnel during the exercise, including the RAAF's 75 Sqn and deployments from the Royal Canadian Air Force and US Marine Corps.

“We have about 800 personnel operating from the air base at the moment,” he told *ADM*. “We have already delivered about 4,500 meals and 2.5 million litres of aviation fuel, so it’s an exciting time to be working and operating on the air base.”

The ADF personnel at Tindal were augmented by support personnel from the NZ Defence Force (NZDF), which did not deploy any aircraft of their own, but nevertheless played an important role in the success of the exercise.

Altogether 62 NZDF personnel took part in Pitch Black, under the command of Flight Lieutenant Daniel Hook, RNZAF. In Darwin, the detachment included two Geospatial Intelligence Analysts, three communications operators, four air movements personnel, five Ground Support Equipment (GSE) technicians, seven aviation refuellers, seven Army chefs, a medic and 19 force protection personnel



An EA-18G Growler from No. 6 Squadron.

DEFENCE

“One important note is the interoperability between the NZDF and RAAF, highlighting the ease at which the Kiwis embedded into the Australian teams”

– complete with two military working dogs.

A smaller cadre at Tindal included five Navy chefs, four aviation refuellers, three Aircraft Rescue Fire Fighting Service (ARFFS) personnel and a single medic.

“The experiences, knowledge and networking opportunities gained from this exercise have been invaluable, as NZ does not have an exercise on this scale that includes the international diversity,” FLTLT Hook said.

“One important note is the interoperability between the NZDF and RAAF, highlighting the ease at which the Kiwis embedded into the Australian teams, a legacy left by the Anzac spirit.

“I have heard on several occasions from Australian and NZ commanders how essential our support and expertise was during this exercise. It gives me a great sense of pride that the NZDF’s reputation continues to grow and, without our support, this exercise

would not have been the success that it was.”

A detailed review of Pitch Black 2018 will appear in the October issue of *ADM*.

ADM would like to thank the Pitch Black media team for their generous assistance during the exercise period.

Army targets drone literacy with Phantom delivery

Ewen Levick | Sydney

Army accepted delivery this week of the DJI Phantom UAS, a training drone set to be rolled out throughout the entire organisation, including Reservists and Cadets.

Sydney-based personnel of the 17th Combat Service Support Brigade (CSSB) received a DJI Phantom 4 UAS as part of the Army’s plan to issue 350 of the systems.



The Phantom is intended to be a stepping stone towards future UAS.

DJI VIA LINKEDIN

ADM sat down with LTCOL Kierin Joyce, SO1 UAS, COL Gabby Follett, CO of 17 CSSB, and David Mann of UAVAir, the Newcastle-based training provider, to talk about the latest UAS to enter service.

"Drones are a game changer for the Australian Army," COL Follett said. "It's the first army in the world that will be proliferating drones across the entire force."

The mention of drones normally conjurs images of armed Reapers floating above the mountains of Afghanistan. The Phantom, however, looks like something you'd buy in JB Hi-Fi.

The acquisition aims to catalyse drone proliferation across the Army by helping soldiers develop what COL Follett calls "drone literacy" using a relatively cheap, commercial off-the-shelf platform.

"Drone literacy is every soldier and commander understanding what a drone can do for them. What the possibilities are, how to pick the right drone for the mission," COL Follett said.

"At the moment people know they want it, but they've got a lot of questions. By playing with the thing we push the boundaries. We learn which drones to use for which mission. We find ways they can be beneficial to the mission. That will all inform

future procurement decisions.

"It's learning by doing."

For COL Follett, UAS technology is a game-changer for sustainment operations.

"We can see a future where these drones are part of our sustainment operations. We could have a large convoy with drones flying to the front, to the flanks, to the rear. That means our situational awareness is that much greater.

"We could have a tank or artillery piece out of action and it might need one part to get it going again. We could use drones to get that part there. If a soldier

"Drone literacy is every soldier and commander understanding what a drone can do"



CPL Chelsea Purtle, one of the first trained Phantom operators, with Rick Calvert-Jackson from training provider UAVAir. EWEN LEVICK

was injured, we could bring first aid supplies forward so we could save that life. Drones have a really wide capability.”

According to COL Follett, the off-the-shelf acquisition is also motivated by the need to wield market influence and stay abreast of the latest developments as the technology accelerates.

“Drones are evolving really quickly,” COL Follett said. “We’ve got to be part of that. We have to be experimenting with these things so we drive the technology to where we want it.

“If we’re not building our own skill set, we’re not influencing [the market] and we don’t know what we’ll be buying next.

“If you buy off the shelf, it’s cheaper and you can partner easier with industry to make that step towards the next UAS.”

LTCOL Joyce said that the speed of the rollout was also due to political will amongst senior leadership.

“All our senior leaders have been on operations in the Middle East and have seen the benefits. They want to be part of it.”

The Phantom rollout, however, has not been without setbacks. It was temporarily delayed last year after the US military grounded its fleet over concerns that the Chinese-made drones were vulnerable to hacking.

“They will only be used in unclassified training scenarios,” COL Follett said. “There was a review undertaken by Defence Science and Technology Group, working in conjunction with the US, we’re really comfortable that all the checks have been done. We’re confident this is a secure system we can use for our intended purposes.”

LTCOL Joyce said soldiers were keen to get started.

“All we’ve had to do is let people know the capability is coming. You’d be surprised how many diggers are bypassing chain of command and emailing me directly asking to be ‘the drone guy’ in their regiment. They’re chomping at the bit.”

Innovation and equity the themes at ADM’s STEM in Defence summit

Ewen Levick and Katherine Ziesing | Canberra

ADM’s annual STEM in Defence conference took place in Canberra on Tuesday this week. Over 130 delegates from Defence, industry, and academia gathered to hear speakers discuss the challenges and opportunities around recruiting and retaining STEM talent in the Defence community.

Proceedings were opened by Minister for Defence Marise Payne, who highlighted the on-going STEM challenges facing Defence.

“Finding and retaining staff with the right skill sets is a challenge across the Western world,” Minister Payne said. “We can’t cannibalize each other – we must work together.

“Ultimately, however, we can’t recruit our way out of the STEM issue. We have to grow the pool of candidates right across the country.”

The Minister also took the opportunity to launch the Military International Drone Racing Tournament, to be held in Sydney on October 18.

"We're looking forward to this new military sports event and to letting Australians let loose their inner geek," Minister Payne said. "I think [Army] even want me to race a drone!"

Delegates were able to see the drone team in action during the breaks with a selection of pilots and drones on display, with some people taking the chance to have a fly themselves.

According to LTCOL Kierin Joyce, SO1 UAS for Army, the end goal is to achieve tech literacy across the ADF.

"The pace of UAS development is extremely rapid," LTCOL Joyce said. "It is also demanding new and novel ways of countering those technologies. We need a culture of learning by doing and getting tech literacy into our future force."

Air Commodore Sue McGready, Director General of Defence Force Recruiting, said that the ADF isn't currently doing enough to attract STEM graduates.

"We estimate that 65 per cent of jobs that will be available in 2030 don't exist yet," AIRCDRE McGready said. "We need to develop plasticity. The ADF isn't an employer of choice for STEM graduates and we need to do more to address that."

Dr Sheridan Kearnan of Defence Industry Policy said the answer lies in learning what inspires kids.

"The kid in the 60s were inspired by Star Trek and Captain Kirk," Kearnan said. "It shouldn't be that hard for us to sell the story today. Defence does really cool stuff and we need to sell it to get people engaged."

Defence will be releasing its STEM strategy mid 2019 that will cover both its

"Defence does really cool stuff and we need to sell it to get people engaged. What will inspire kids for the next 50 years?"



Minister for Defence Marise Payne opening proceedings.

EWEN LEVICK



Dr Sheridan Kearnan speaking at the STEM in Defence conference.

EWEN LEVICK

"If you're not consciously including, you're unconsciously excluding"

uniformed and APS workforces.

Other speakers highlighted issues such as talent retention and equity of opportunity.

"We're going to broaden the gate to include more females," Richard Price, CEO Defence SA, said, speaking on the issue of diversity and inclusion. "We need to push from the school side and pull from the industry side. We need to get to a point where kids think of us as a possibility."

Diversity and inclusion in all forms became common themes throughout the day.

Dr Franesca Maclean spoke directly: "If you're not consciously including, you're unconsciously excluding."

Maclean also encouraged delegates to actively consider actions they could take to improve inclusion in the following weeks, hosting a workshop about effective strategies in this space in terms of language and action.

A range of case studies also highlighted what a successful STEM program can look like with STEMNation, PTECH schools, ME series of programs in the Hunter, and VSSEC. Common attributes included true partnership between schools and industry, support materials for teachers who may not be STEM centred themselves, real world application of lessons and a clear pathway for students once a program has concluded.

MOST READ ONLINE AT WWW.AUSTRALIANDEFENCE.COM.AU



1. [UK moves closer to Wedgetail buy](#)
2. [Army aviation to limit ad hoc industry engagement](#)
3. [Boxer contract for Land 400 Phase 2 signed](#)
4. [Austal wins Philippines Navy OPV contract](#)
5. [Poseidon training gets underway in SA](#)

First Buccaneer satellite mission hailed as a success

A satellite jointly developed by UNSW Canberra Space and Defence Science and Technology (DST) has been operating on-orbit successfully for more than nine months.

The Buccaneer Risk Mitigation Mission cube satellite was launched into orbit from Vandenberg Air Force Base in California in November 2017.

“The mission has demonstrated capability and credibility as UNSW Canberra proceeds toward the RAAF-funded M1 mission”

UNSW Canberra Space Director Professor Russell Boyce said the mission has achieved its key objectives.

“Shortly after the launch, the satellite was successfully commanded from Australian small satellite ground stations at DST and UNSW Canberra Space, which have shared daily communication with the spacecraft over the subsequent months,” Professor Boyce said.

The satellite has successfully deployed its three-metre, X-shaped antenna that is part of the novel payload designed by DST. It is one of the core pieces of technology that will be used in future Buccaneer missions.

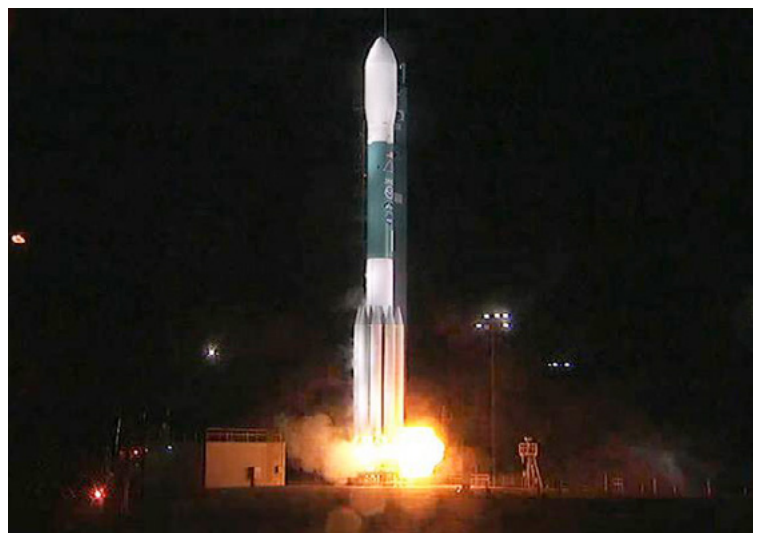
“Now that the flight operations and experiments planned for the main part of the mission have been successfully completed, the mission is moving into an extended operations phase to obtain additional valuable information on the on-going performance of the spacecraft,” DST mission supervisor Dr Coen van Antwerpen said.

The team has worked to test and characterise the performance of the satellite’s various sub-systems in the space environment, including the UNSW Sydney-developed GPS and a UNSW Canberra camera used to monitor the performance of the antenna.

“Following that, experiments have been conducted that extend the state-of-the art for small satellite space situational awareness and test key technologies in preparation for a follow-on mission, in which DST will perform calibration research for the Jindalee Over-the-Horizon Operational Radar Network,” Professor Boyce said.

“The international ground-based Falcon space surveillance telescope network, including UNSW Canberra’s node of that network, has been used to collect considerable amounts of data on Buccaneer’s attitude in Low Earth Orbit. This data will support UNSW Canberra Space’s research in the science of space situational awareness.

“The Buccaneer mission has been extremely successful from the perspective of a partnership to climb the space mission learning curve, as



The Buccaneer Risk Mitigation Mission cube satellite was launched into orbit from Vandenberg Air Force Base in California.

UNSW

Australia accelerates its momentum in space activity exemplified by the Australian Space Agency commencing last month.”

“The 2016 Defence White Paper highlights space research and space systems as an important part of Australia’s Defence capability and National Security,” DST Strategic Space research lead Dr Nick Stacy said.

The mission has demonstrated capability and credibility as UNSW Canberra proceeds toward the RAAF-funded M1 mission, to be launched later this year.

Buccaneer is one of a [number of funded satellites](#) at UNSW Canberra Space, with a further three currently in early development.

The satellites will play an important role in gathering data and demonstrating space-based capability ranging from remote sensing to secure communications, to help meet Australian and international needs and opportunities on the ground.

Melbourne school wins Lockheed Martin code programming competition

A team from Melbourne’s Haileybury school has won the inaugural Lockheed Martin Code Quest Australia programming competition.

The competition saw teams of two to three high school students each work together for over two hours to solve challenging problems set by Lockheed Martin engineers and computer programmers.

Fifteen teams from schools in Brisbane, Melbourne, Canberra and Newcastle took part in the competition, which was held at Lockheed Martin Australia’s state-of-the-art Endeavour Centre in Canberra.

“Code Quest globally is in its seventh year. It’s a terrific thrill for us in Lockheed Martin Australia to bring the Code Quest to Australia for the first time and for so



Vince Di Pietro and Leslie Pontillas of Lockheed Martin with winners Michael Malik and Joseph Tey and coach Dr Kyi Muller of Melbourne’s Haileybury school.

LOCKHEED MARTIN

many high school students from around the country, including regional areas, to pursue this science, technology, engineering and maths based competition,” Lockheed Martin Australia Chief Executive Vince Di Pietro said.

“The possibilities of an exciting competition, as well as the window it opens to studies and careers is as inspirational for the students who have made the journey as it is for we volunteers who are delighted to make it possible. Advancing STEM and encouraging as many students to tackle it as possible is critical for Australia’s future.”

See ADM’s [August edition](#) for further [STEM-related coverage](#).

ISO publishes small satellite guidelines

ISO has just published the first-ever international technical specification for small spacecraft, which states the minimum requirements that every small spacecraft needs to comply with regardless of its mission.

ISO/TS 20991 Space systems – Requirements for Small Spacecraft’ details the requirements for various stages of the small spacecraft system life-cycle.

According to a recent report by SpaceWorks, 2017 saw a 205 per cent increase in small satellite launches compared to 2016, with a record number still awaiting launch.

Paul Gill, chair of the ISO technical subcommittee that developed the document, said that up to 2,600 small spacecraft are estimated to launch over the next five years, many of them made by new operators.

“ISO/TS 20991 will be of great benefit to small spacecraft developers, as well as launch operators, by providing the minimum requirements to ensure their safety and debris mitigation,” Gill said.

“It covers everything from the design, launch, deployment, operation and disposal, which will also give newcomers to the industry a means to access space, typically the domain of large companies and governments.”



As many as 2,600 small spacecraft are estimated to launch over the next five years.

PIR04D VIA PIXABAY



A certified B Corporation uses the power of business to address societal challenges.

ANYWISE

Anywise becomes a certified B Corporation

Melbourne-based SME Anywise has become a Certified B Corporation, a new kind of company that uses the power of business to address societal challenges.

"Since 2014, Anywise has held a strong commitment to serve the communities in which it operates. Now it has met the highest standards of verified social and environmental performance, public transparency, and legal accountability and has been able to balance profit and purpose," Managing Director Adam Evans said.

In a statement, Anywise said that Certified B Corporations are a global movement aiming to offer a positive vision of a better way to do business.

"Anywise joins a very small number of companies in the Australian defence market that have chosen to meet this high standard," Evans said. "As a certified B Corporation, Anywise measures the impact of its business on its workers, community, and the environment with as much rigor as it manages and monitors its profits."

There are over 2,000 certified B Corporations in over 130 industries across the globe.

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Forthcoming Events

ADM EVENTS

More detail on **ADM** Events can be found on our dedicated website: admevents.com.au

- [ADM Defence Estate & Base Services Summit](#) – 19 September 2018
- [ADM Defence in Northern Australia Summit](#) – 10-11 October 2018

Scindicate 2018

Date 29-30 August

Location Scindicate Labs, Fisherman's Bend, Melbourne

Website <https://scindicate2018.eventbrite.com.au>

SCINDICATE is the new brand name for the previous annual external engagement event called Partnerships Week. SCINDICATE delegates will experience technology demonstrations, workshops, briefings and laboratory tours, as well as opportunities for networking and forging new collaborations. Delegates can choose to attend on either day, and the program will include key elements repeated across both days.

Hunter Valley Defence Conference 2018

Date 30-31 August 2018

Location Crowne Plaza Hunter Valley

Website [HunterNet](#)

The 2018 Defence Conference will focus on driving collaboration and engagement between Defence Primes, the region's SME's, academia and Defence. A highlight of the conference will be the spectacular low flying aerial show from Matt Hall Racing, followed by a gala dinner.

US Department of Defense's Comparative Technology Office Industry Meeting

Date 4 – 7 September 2018

Location Adelaide & Sydney

Website <https://www.business.gov.au/>

The Australian Department of Defence is hosting the U.S. Department of Defense's Comparative Technology Office (CTO) at the Land Forces industry exposition in Adelaide from 4 to 6 September and in Sydney on 7 September. The CTO will meet with Australian defence industry to assess capabilities for consideration in the Foreign Comparative Testing (FCT) program. This program seeks out world leading technologies which will enhance military capabilities and provide long-term value to the Australian – U.S. alliance. The CTO will consider both mature fielded technology (TRL 8-9) and technology ready for testing in an operational environment (TRL 6-7).

Land C3 Program Brief To Industry – Land 200 Phase 3 – Battlefield Command Systems (Tranche 3)

Date 4 September

Location Adelaide Convention Centre

Website <https://www.tenders.gov.au>

The Land C3 Program will provide a brief to industry on the Land 200 Battlefield Command Systems (BCS) program and the objectives of Land 200 Phase 3 on 04 September between 0830h-0950h. Defence will present project details to industry and conduct one on one meetings in conjunction with the Land Environmental Working Group and Land Forces Conference in Adelaide in September 2018. The purpose of the brief and meetings is to provide industry attendees with accurate and consistent information including an overview of the project scope and objectives.

Land Forces 2018

Date 4-6 September 2018

Location Adelaide

Website www.landforces.com.au

Presented in collaboration with the Australian Army, LAND FORCES 2018 is an international industry exposition to showcase equipment, technology and services for the armies of Australia and the Indo-Asia-Pacific.

ISCILP 2018

Date 5-6 September 2018

Location Adelaide Convention Centre

Website <https://www.landforces.com.au/ICSILP/program.asp>

This year's conference brings Army and Defence Science and Technology closer than ever before in exploring future capability options for warfighting success in a fast-changing environment. Many of the delegates attending ICSILP18 will play key roles in harnessing novel technologies for the development of the required solutions. This presents an excellent networking and knowledge exchange opportunity.

ANI Goldrick Seminar

Date 17 Sep, 2018

Location ADFA, Canberra

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

ANI will be holding its annual Goldrick Seminar at ADFA – with the title Naval Shipbuilding as Strategy. The event is well-attended every year by senior serving officers and by defence industry.

ICCPM 2018 Thought Leadership Roundtable

Date September 21, 2018

Location Canberra, Melbourne

Website admin@iccpm.com

The International Centre for Complex Project Management (ICCPM), in collaboration with the John Grill Centre for Project Leadership and our sponsors, the QUT Graduate School of Business, KPMG and Bright Consulting, are delighted to invite you to attend this open discussion workshop which seeks to bring together the collective wisdom of senior leaders from both public and private sector organisations to share perspectives on project leadership.

18th Australian Space Research Conference

Date 24 Sep – 26 Sep, 2018

Location Mantra on View Hotel, Gold Coast

Website <http://www.nssa.com.au/18asrc/>

The 18th Australian Space Research Conference (ASRC), will be held at Gold Coast in Queensland over September 24-26. The ASRC is intended to be the primary annual meeting for Australian space research. It welcomes space scientists, engineers, educators, and workers from across the university, industry and government parts of the space sector, and is not limited to Australian-based research. International participants are most welcome. The scope of the conference includes fundamental and applied research, operational matters, technology, and use of space data and facilities. We are accepting [abstracts](#) until July 14.

Systems Modelling Conference 2018

Date 04 October 2018

Location Adams Auditorium, UNSW Canberra

Website <https://www.unsw.adfa.edu.au/conferences/systems-modelling-conference-2018/home>

Systems thinking and modelling is the science of integration, where every system is conceptualised as a set of inter-related components. Systems thinking and systems modelling provides a problem solving approach that helps us develop the capacity to understand and manage complexity in a systemic way and how to deal with it in multi-stakeholder situations. The Capability Systems Centre in partnership with IEEE runs a one day conference on the use of whole-systems approach to design and manage complex problem in socio-technical and socio-ecological systems. The daylong conference on October 4th will feature showcases on the use of systems thinking and systems modelling in a wide range of areas.

WA Indo-Pacific Defence Conference 2018

Date 30 October 2018

Location Crown Towers – Perth, WA

Website <http://perthusasia.edu.au/defence-forum-2018>

The 2018 Western Australian Indo-Pacific Defence Conference will convene strategic thinkers from the military, industry, academic and government in Perth Australia, home to Australia's largest naval base, a growing defence industry, and a vibrant civic and academic community. This conference will promote the State's defence capability to national and international defence stakeholders. The aim is to provide new and relevant information from high-level speakers to educate and inspire our local industry, and to assist them in becoming world class and globally competitive (export ready).

NZDIA 2018 Forum

Date 30 October – 1 November 2018

Location Central Energy Trust Arena, Palmerston North (NZ)

Website <http://www.nzdiaforum.co.nz/page/528148>

The 2018 NZDIA Forum is our 21st forum. We aim to bring together industry (local, regional and international) and a wider range of government interests than has been achieved previously. The NZDIA forum has, for 20 years, been the most important event on NZ soil for defence and industry to come together. This year we are creating the opportunity and space for a wider cross section of industry: local, Australasian and global with a broader interest in national security encompassing defence, to come together. The speaking and workshop program is coming together as we identify how best to deliver excellent value to our traditional constituency and new attendees.

Veterans Film Festival

Date 1 November – 3 November

Location Palace Electric Theatre, ADFA, Canberra

Website www.veteransfilmfestival.com

The RSL National Veterans Film Festival (VFF) is an annual event, putting the spotlight on stories about veterans, first responders, their families and the influence of warfare on our society. The festival presents a curated program of carefully selected feature films, short films and media art from Australia and around the globe. Our focus is on recent work by talented indie filmmakers. However, within our program we also present mainstream films, retrospectives and provide opportunities to meet with filmmakers and content creators via Q&A's, panels, etc. All films submitted to the official competition will be eligible to compete for the coveted Red Poppy Awards.

SIA Biennial Conference

Date 7-8 November 2018

Location Rex Hotel, Canberra

Website www.submarineinstitute.com/sia-conferences

Join submarine professionals and key decision makers as the ninth in the biennial series of conferences run by the Submarine Institute of Australia returns to Canberra to explore the issues and opportunities emerging from the decision to extend the lives of the Collins class submarines.

ACA Corrosion & Prevention 2018

Date 11-14 November 2018

Location Adelaide Convention Centre

Website <http://www.corrosion.com.au>

Showcasing the latest advancements in corrosion mitigation, C&P 2018 is the largest corrosion conference and exhibition in the Southern Hemisphere. As always, the focus of the ACA's annual conference and trade exhibition will be the safe and effective management of the continuing challenge posed by corrosion. More than 400 delegates are expected to attend the conference and extensive exhibition supported of key industry suppliers. Industry experts will deliver five plenary presentations—including the F P Thompson Lecture, which will be delivered by Professor Brian Kinsella, Curtin University, Australia.

MilCIS 2018

Date 13-15 November 2018

Location National Conference Centre, Canberra

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.

TEAM DEFENCE AUSTRALIA EVENTS

- **AUSA 2018** – 8-10 October 2018, Washington DC, US
- **Indo Defence 2018** – 7-10 November 2018, Jakarta, Indonesia
- **Euronaval 2018** – 23-26 October 2018, Paris, France

For more information go to the business.gov.au TDA webpage [here](#). TDA EOIs will open a few months prior to the event – to keep up to date [register](#) for the CDIC newsletter.