



**ROYAL  
AERONAUTICAL  
SOCIETY**  
AUSTRALIAN DIVISION  
SYDNEY BRANCH

**OCTOBER 2018**

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PO Box 573, Mascot, NSW 2020

Web: [www.raes.org.au](http://www.raes.org.au)

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<https://www.facebook.com/groups/RAeSSydney/>

**NEWSLETTER**

*Please note:*

**The 60<sup>th</sup> Sir Charles  
Kingsford Smith  
Memorial Lecture  
and  
Annual Branch  
Dinner -  
Early Bird Prices**

**Close 30<sup>th</sup> September**

**(Refer last page for  
details)**

**'The Australian Defence Force Unmanned Aerial  
Systems Roadmap a decade along the unmanned  
journey'**

**Speaker: LtCol Keirin Joyce CSC MRaES  
Australian Army UAS Sub-Program Manager  
responsible for all Australian Army UAS  
activities**

**Date: Wednesday 3<sup>rd</sup> October, 2018**

**Time: 18:00 for 18:30 hours (sharp)**

**Venue: Sydney Nanoscience Hub Lecture Theatre 4002 Messel  
Physics Road, University of Sydney**

To view map see below and/or click/copy/paste into your web browser the following: [cce.sydney.edu.au/site/1220](http://cce.sydney.edu.au/site/1220)

**Biography:** LTCOL Joyce is currently the UAS Sub-Program Manager for the Australian Army and has been extensively involved with UAS development in the Australian Defence Force for the last 12 years. LTCOL Joyce is a graduate of the Australian Defence Force Academy (ADFA) with an Honours Bachelor of Aeronautical Engineering, a Masters in Aviation Management, a Masters of Aerospace Engineering, a Masters in Military and Defence Studies, and a Graduate Diploma in Secondary Education (Mathematics). He is currently researching as a Doctorate of Philosophy through ADFA. Lieutenant Colonel Joyce is at the forefront of UAS development in Australia, is a key member of the Australian Association of Unmanned Systems and the Royal Aeronautical Society. He is currently the Chairman of the Canberra Branch of the Royal Aeronautical Society Australian Division.



**Synopsis:** The Australian Defence Force released in 2005 their Unmanned Aerial Systems (UAS) Roadmap. It articulated the then current state of Australian academia and industry in the fields of robotics and autonomy, and proposed a framework for the future layered delivery of Unmanned Aerial System effects for the Australian Defence Force. Importantly, it defined a tiered structure for these layers, assigning each tier to an element of the Services and prophesied what those capabilities might look like. LTCOL Joyce's presentation will discuss the evolution of the Roadmap and how it has been implemented over the

decade. Over the course of numerous Service and Defence Science and Technology trials, leases and projects, the Australian Defence Force is now structured almost perfectly per the Roadmap with respect to UAS. This takes the form of approved capabilities from the Black Hornet nano-UAS (pictured) up to the MQ-4C Triton High Altitude Long Endurance (HALE) system. LTCOL Joyce will discuss the historical tests, trials and experiments, inclusive of how failures have ultimately led to successes, and how they have influenced the form and composition of current fleets and unmanned operations. The future of Australian Defence Force use of Unmanned Aerial Systems is busy: Army will provide nano and small-UAS into every Combat Team within the land force and is looking to replace the Shadow 200 at the Brigade level with a vertical take-off and landing system that is capable of more than just intelligence, surveillance, target acquisition and reconnaissance. Navy is underway in trials with numerous systems to define its use of UAS on board and augmenting the weapon systems of its fleet of vessels, and Air Force are working towards Medium Altitude Long Endurance (MALE) and HALE systems becoming mature in their interconnected Plan Jericho framework. The presentation will cover the current roadmap and comments on areas for future research and development.

The Australian Army is the world's largest user of Nano UAS and LTCOL Joyce will discuss why Army has invested in such a tiny aircraft and where they see the future of Micro Air Vehicles. He will also discuss the Australian Army's interest in 'Drone Racing' which helps to attract the new generation of tech-savvy soldiers. Competitors love talking to the Army Drone Racing Team members and finding out about how drones are used within Army. Many had never considered Army before but they learn about how Shadow and Wasp and other UAS are used and about the ADRT and it piques their interest in the Service. It's attracting a new generation of potential soldiers to the ADF who are comfortable with technology, and Army's involvement in these types of competitions is a real crowd pleaser.



(Pictured – Hand launching a RQ-12 AeroVironment Wasp AE)

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### Agenda

<b>18:00 Hours</b>	Registration   Welcome tea & coffee
<b>18:30 sharp</b>	Welcomes, and Introduction
<b>18:35</b>	Presentation
<b>19:35</b>	Q&A - <b>Light supper</b> (pizzas) to enable the speaker and attendees the opportunity to mingle and to continue discussions.

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**RSVP:** Whilst attendance is free - registration for the evening **is required**. Please register by clicking on/copying and pasting into your URL this link: [raesoc18.eventbrite.com.au](https://raesoc18.eventbrite.com.au) Your registration will be confirmed by email. **Please print the email and present it at the door. Please note:** Non-members should enter the code **NM** if requested to enter a RAeS membership number. Any member who does not have access to the internet can send a letter to Mr Jeff Lock, 4 Hillcrest Place, North Manly NSW 2100 with your name (plus names of accompanying persons), membership number or state 'Friend' if you are a Friend of the Branch, and phone number.

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**Parking:** is available in the Shepherd Street multi-story car park, located on the corner of Cleveland St and Shepherd St and also in the New Law School car park – entry from Great Western Highway or Barff Rd off City Rd, and then follow the signs. The rate is \$2 per hour (up to \$6 maximum), but note that only gold coins are accepted in some machines. Parking is also available in University of Sydney On-Campus Parking for \$2 per hour (up to \$6 maximum). Additionally, free parking is available in surrounding streets. Please observe parking restrictions and allow time to drive to the Uni of Sydney, park, and walk to the venue.

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**Public Transport:** The closest train station is Redfern station, which is a 10 minute walk away from the venue. From Railway Square near central station any 42X bus (but not 422) and the M30 will take you to the University of Sydney (on City Road). Please allow time to travel by public transport, including waiting time, and time to walk to the venue. Please refer for further details: <http://www.sydneybuses.info/routes/timetables-route-maps>



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**Closed Member Only Group on Facebook:** Sydney branch is live video streaming our monthly branch lectures. Watch lectures live or at a later time, at the “RAEs - Sydney Branch - Members Only” group within Facebook. Please note that this service is only available to financial members of the Royal Aeronautical Society.

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**Past Newsletters are now stored on our website:** Members are advised that all Sydney Branch Newsletters since February 2012 are now stored on our website. To access this information enter our web address ( [www.raes.org.au](http://www.raes.org.au) ) into your browser, click ‘About’ then ‘Sydney Branch’ and scroll this page to the heading ‘Sydney Branch Newsletters’. Newsletters are arranged by month within each year heading.

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**Alliance Celebrates 90<sup>th</sup> Anniversary of Kingsford Smith’s Crossing – Celebrating “Smithy”**

June 2018 marked the 90th anniversary of the first trans-Pacific crossing by the Sir Charles Kingsford Smith (or ‘Smithy’ as he was affectionately known at the time) and his brave crew. On 9 June 1928, Smithy and his crew landed their Fokker VII/3m at Eagle Farm, at almost the exact location where Alliance Airlines offices and maintenance facilities are today located at what is now Brisbane Airport. Smithy’s Fokker was one of the earliest Fokker aircraft to ever visit Australia.

Alliance Airlines also marked the 90th anniversary of Sir Charles Kingsford Smith’s trans-Pacific crossing with a celebratory flight on its special livery Fokker 100. The Fokker 100 (Alliance Airlines 32<sup>nd</sup> aircraft which bear the registration mark VH-FGB\*) features a special livery that features an image of Sir Charles Kingsford Smith on the tail, while the fuselage features the Fokker F.VIIb/3m Trimotor, named Southern Cross, used for the successful crossing in 1928.



On Saturday morning, 9<sup>th</sup> July, 2018, the aircraft VH-FGB departed Brisbane Airport’s Runway 19, then made a series of right hand turns flying over the city before setting course in a south easterly direction over the Pacific Ocean. Upon reaching Ballina – the point at which Sir Charles crossed the Australian coastline – VH-FGB turned north, flying over the Gold Coast and then landed back at

Brisbane's Runway 19 at 1050, the exact time Sir Charles touched down. It was understood air traffic controllers had issued VH-FGB with special flight plan to ensure there were no other aircraft scheduled to land at Brisbane at 1050. The full flight path can be seen on the **Flightaware website**.

\* In commemoration of this historic event, Alliance partnered with Newstead Brewing to offer an exclusive Alliance Airlines beer - "Smithy's FGB" Golden Ale. Stock is available on board Alliance flights. It is also available for purchase by visiting: [www.smithysfgb.com](http://www.smithysfgb.com)

**Lockheed Martin Mentoring Program –Sponsoring seats at the Women in Aviation/Aerospace Australia Melbourne Summit 17<sup>th</sup> October 2018:**

Women in A/AA is pleased to announce 30 spaces will be made available with the aim of inspiring the next generation of female aviation professionals to select a career in aviation or continue to pursue their studies and feel connected with the industry. This includes full day attendance at the summit, including all meals and sessions with the cost covered by Lockheed Martin. Applications for complimentary mentee attendance must be submitted directly to Samantha after a paid booking has been made via the A/AA website - [www.aviationaerospace.org.au/events/women-in-aaa/women-in-aaa-vic-summit-2018](http://www.aviationaerospace.org.au/events/women-in-aaa/women-in-aaa-vic-summit-2018)

Limit of two (2) mentee spots are available per table booking and limit of one (1) mentee space per individual bookings. Mentee applications will be assessed on the below requirements and accepted on a first received basis. Please email [samantha@aviationaerospace.org](mailto:samantha@aviationaerospace.org) addressing the four points below:

1. Must be attending with a paid (professional) ticket - please provide name of booking
2. Provide details of the course/school enrolled (attach proof of enrolment)
3. Provide 30 words on your career aim – why are you interested in aviation and which career role are you pursuing
4. Age limit: 15 – 24 (Exceptions can be made for those already in the industry and already undertaking the training process of transitioning to a technical role)

Remember applications that meet the above requirements will be approved in the order they are received, so apply now!



**Invitation - Southern Cloud Discovery - Sixty Years On  
Special Event - Tom Sonter (guest of honour)**

**Friday 2 November - Dinner at Elms Restaurant (Tumbarumba Motel)**

6.30 for 7.00pm Cost \$45 Hors d'oeuvres, dinner, dessert, drinks available at own expense

Full payment with booking to the Motel 02 69482494. Eftpos available  
**Bookings close 27 October.** Please advise any serious dietary issues when booking.

**Saturday 3 November - Walk to the crash site.**

This is an unsupported (but guided walk) from the locked gates to the site. Total distance 14 km. The last section to the crash site 'is a scramble'.

Accommodation options in Tumbarumba (see below). Early booking is essential. There is another large event on the same weekend.

Tumba Creek Caravan Park 02 69483330 or [bookings@tumbacreek.com.au](mailto:bookings@tumbacreek.com.au)

Self-contained cottages

[www.tumbacottages.com](http://www.tumbacottages.com)

The Southern Cloud. Photo: bonzle.com

Tumbarumba Motel

02 69482494

Tumbarumba Bowling Club Motel

02 69482333

Union Hotel

02 69482165

Tumbarumba Hotel

02 69482562

For further information please contact: Ron Frew, Tumbarumba Historical Society  
[thefrews@activ8.net.au](mailto:thefrews@activ8.net.au) 02 6948 3262



**Women in Aviation Assistance Scholarship:** Sydney Metro Airports Bankstown and The Regional Aviation Association of Australia are pleased to invite applications for the Women in Aviation Assistance Scholarship. Funded by Sydney Metro Airports Bankstown in partnership with BASAIR Aviation College with a value



of over \$3000, this scholarship will allow five (5) young women to each undergo two (2) introductory flights with BASAIR. This will then be accompanied by two days on site with BASAIR Aviation College the Airport Management Team, learning about the compliance, operations, aviation safety, and contractor management at the Airport. These awards are aimed at young women currently residing near or within the Sydney Basin area and the applicants will ideally be studying Year 11 or 12 at a school or TAFE. The winners will be notified in advance with the award being presented in October with first flights being undertaken (if convenient) during the Aviatex Aviation Industry event being held at Bankstown airport from 15 to 17 November 2018.

All applications will be judged by a panel comprising senior members of the RAAA, Sydney Metro Airports Bankstown and BASAIR Aviation College. The decision of the judges is final, and no correspondence will be entered into.

Applicants should complete the Application Form ([Women-in-Aviation-Scholarship.pdf](#)), attaching extra pages if required. You may attach any additional or special information which you feel may support your application, including copies of any references or special awards, school reports or certificates, and your curriculum vitae if applicable.

**Applications should be received at the RAAA Office by 15 October 2018.** Applications can be mailed, emailed or a link sent via DropBox ([administration@raaa.com.au](mailto:administration@raaa.com.au))

**Lawrence Hargrave Award - 2019:** Some nineteen years ago the Australian Division of the Royal Aeronautical Society established the Lawrence Hargrave Award to recognise achievement at all levels and in all disciplines of aerospace within Australia. The Lawrence Hargrave Award honours one of the true pioneers of flight. Hargrave's experiments with box kites at Stanwell Park near Sydney in the 1890s proved to be one of the most significant early developments in aviation.

The Award, which is presented every two years, follows in the tradition of the Society's UK-based awards which have long been regarded as the pinnacle of achievement in the aviation industry. The winner will be announced at the Australian International Airshow and Aerospace & Defence Exposition at Avalon on Tuesday, 26<sup>th</sup> February, 2019 and the Award will be presented in Melbourne at the 18<sup>th</sup> Australian International Aerospace Congress dinner.

Any Australian working in, or retired from, a discipline involved in the support of air and space flight in Australia is eligible. The nominee should have made a proven impact of significant aerospace contribution over a high proportion of their careers. Nominations shall describe in detail why the nominee should be considered with factors such as innovation, how recent the work and implications. The award can recognise individuals at any stage in their career. The website [www.raes.org.au](http://www.raes.org.au) contains the nomination form and a 'paper' version of the form is below.

The **closing date for receipt of such nominations is Friday 23<sup>rd</sup> November 2018** which should be e-mailed to: [barrycupitt@bigpond.com](mailto:barrycupitt@bigpond.com), or can be mailed to: Mr Barry Cupitt, 3 Tirrabeena Place, Bangor NSW 2234 – using Australia Post.

**All nominations are treated in strictest confidence and proposers are asked to ensure that nominees are not advised of their nomination.**

I would like to nominate (name):

Proposer's contact details (name, address, telephone/fax, e-mail)

Nominee's career history (dates, positions held, nature of responsibility):

Specific achievement/s upon which this nomination is based (in no more than 250 words describe the nominee's involvement in an operation initiative or event which provided a significant contribution to the Australian Aerospace Industry. **Please use a separate page for this résumé**):

### **Report on the AIAA Networking Night 13<sup>th</sup> September 2018 by Brian J. Greeves**

Unless you are totally uninterested in aviation, the venue chosen for the "American Institute of Aeronautics and Astronautics Student-Industry Networking Night" was truly "awesome" to use the modern vernacular. The rooftop bar of the Rydges Hotel provides a panoramic view of Sydney Airport and this was the only entertainment needed for the assembled "plane spotters". (Even Noah, the barman, holds a RPAS pilot's licence as he flies "drones" commercially.)



From left, Brian Greeves being presented with Certificate of Appreciation by Oliver Gordon, Chair, AIAA, UNSW Student Branch

200 people attended the event consisting of 150 students from the Universities of Sydney, New South Wales and Technology Sydney and 50 invitees from industry. The RAeS Sydney Branch was a "Silver Sponsor" and I had the honour to represent David Cox, our chair, and receive the certificate of appreciation from the student committee. (The Sydney Branch works closely with the local student aviation bodies, including the AIAA Sydney Student Branches, to provide a range of activities throughout the year and sponsorship, where appropriate.)

The aim of the evening was to enable the students to meet aviation industry professionals and find out from them the career opportunities based on their own experience. In this context, Bryan Stade (Airbus/Committee member) was inundated with students asking him about a career in aviation engineering and how to become a chartered engineer through the Society. It was obvious that the students were benefiting from the advice given by Bryan and the others present and, in some cases, the possibility of work placements.



Bryan Stade, left, light coloured shirt from Airbus & Committee member of the RAeS Sydney Branch, discussing a career in aviation engineering.

I was impressed by so many bright and enthusiastic students immaculately turned out for the occasion; and equally the support from the industry professionals. Daniel Walsh and his organising committee deserve high marks for their efforts in bringing these two groups together. The highlight for me was seeing my (ex) mentee, Tim King, sharing his recent experience of being in the work place and advising a student on how to obtain a design position. This was an excellent example of a student member progressing to a higher grade in the Society and willing to give back something to those still at university.

If you have not had a chance to attend this annual event either as a student or an industry professional, I would encourage you to get there next year; not just for the red wine and delicious canapes but for the opportunity to share your passion in aviation.

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AUSTRALIAN INTERNATIONAL AEROSPACE & DEFENCE EXPOSITION  
**AVALON 2019**  
26 FEBRUARY - 3 MARCH, AVALON AIRPORT, GEELONG, VICTORIA

**Complimentary Student Tickets for the 2019 Avalon Airshow  
"Aerospace Student Professional" – Self-Education Opportunity**

**Registration for the 2019 Avalon Airshow –  
Aerospace Student Professional (ASP) Program is now OPEN!**

The Royal Aeronautical Society in association with the 2019 Avalon Airshow organisers is continuing to provide complimentary entry to the 2019 Avalon Airshow to benefit, in particular, senior students to engage with Aerospace Industry Professionals. A special invitation is extended to "Aerospace Student Professionals" to attend the 2019 Avalon Airshow, as Accredited Trade Visitors, for one-day only and at no cost, on either the **Trade Day of Tuesday 26, Wednesday 27, or Thursday 28, February 2019.**

An "Aerospace Student Professional" is defined as any Undergraduate and Postgraduate University, or TAFE student undertaking tertiary courses throughout Australia in aerospace engineering, aviation sciences or technology or Management, who shows a keen interest in pursuing a career in the Aerospace, Aviation or related high technology Defence industries. Undergraduates who take up this invitation will be formally accredited as an "Aerospace Student Professional". This will include the issue of a distinctive badge to assist Exhibitors to identify them from other Trade Visitors.



The process to seek accreditation as an "Aerospace Student Professional"

for a nominated Trade Day have been developed by Aerospace Australia Limited and the Royal Aeronautical Society (RAeS), with assistance from Engineers Australia. Full details of this application and accreditation process **will be** available from the Royal Aeronautical Society - Australian Division website **shortly.**

Subject to all accreditation requirements being met, this admission will provide "aerospace student professionals" with a unique self-education opportunity. This also includes access to pre-reading material (via selected website links). Additionally, accredited "aerospace student professionals" will be able to attend, at no charge, some of the conferences, symposiums and forums being conducted at Avalon on the nominated Trade Day subject to availability space as determined by the conference manager. Please note that the closing date for Registrations is Wednesday 20<sup>th</sup> February, 2019.

**WINGS Awards 2018:** The Royal Aeronautical Society Australian Division and *Australian Flying* have announced the winners of the 2018 Wings Awards who are as follows:

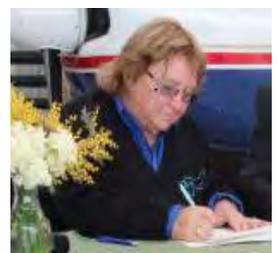
**Col Pay Award for a Lifetime of Service  
to General Aviation  
Flying Instructor of the Year  
Aero Club of the Year  
Flying Training Organisation of the Year**

**Ray Cronin – Kestrel Aviation, Victoria  
Lyn Gray – FlyOz, Cowra, NSW  
North Queensland Aero Club  
Moorabbin Flying Services, Victoria**



**Ray Cronin** started flying in 1976 over time becoming one of the most respected people in the Australian Helicopter Industry. He has been CFI and Managing Director of Kestrel Aviation for over 30 years. Since 1989 his company has been operating from Mangalore Airport north-east of Melbourne.

**Lyn Gray** has made a substantial contribution to flight training in regional NSW through her flying school FlyOz in Cowra. A strong and innovative school, FlyOz attracts both domestic and international students to the town.





**North Queensland Aero Club (NQAC)** has been training pilots in the Cairns region since 1949. In that time they have launched the careers of thousands of pilots, conducting training from Cairns Airport and remote locations around the Atherton Tableland and Cape York Peninsula. Under the guidance of respected CFI Sally Scott for the past 20 years, the club has continued to service the area, moving in 2015 to Mareeba to reduce costs.

**Moorabbin Flying Services** has taken out the Flying Training Organisation of the Year award for the second year running. With campuses at both Moorabbin and Barwon Head, MFS continues to innovate in the flight training industry to ensure high-quality training the produces high-quality pilots. As well as training cadets for airlines such as Qantas, Skippers, Susi Air and Sharp, MFS engages with secondary schools, running VET in schools programs in aviation.



The Royal Aeronautical Society Australian Division and *Australian Flying* congratulate all the 2018 winners. Read more at [www.australianflying.com.au/latest/cronin-takes-top-gong-in-2018-wings-awards](http://www.australianflying.com.au/latest/cronin-takes-top-gong-in-2018-wings-awards)

**Society Merchandise for Sale:** Sydney branch has a selection of Society Merchandise for sale at its regular monthly meetings. Items include Society Ties, Pins, Lapel Badges, Silver Kestrel Brooches, and Mugs.



Our Sales Director, David Adkins, accepts cash, cheques, and credit cards through PayPal.

## The 60<sup>th</sup> Sir Charles Kingsford Smith Memorial Lecture and Annual Branch Dinner

When: **Wednesday  
7<sup>th</sup> November, 2018**

Time: **18:00 hours**

Speaker: **Vince Di Pietro FRAeS  
Vice President and Chief Executive  
Lockheed Martin Australia and New  
Zealand**

Vince has titled his presentation:  
**“Fulfilling the Altair vision: the  
perennial tyranny of distance and  
time”**

Venue: **Powerhouse Museum  
500 Harris Street, Ultimo**

(See map below)



**This Prestigious  
Lecture and following  
Annual Branch Dinner  
is proudly sponsored  
by:**



and



**Rolls-Royce**



### Sir Charles Kingsford Smith MC, AFC

Born 9 February 1897 in Brisbane, Sir Charles Kingsford Smith was a renowned Australian aviator, known for being the first to complete a non - stop flight across the Australian main land and the first to complete a Trans - Pacific flight from the United States to Australia amongst his many achievements.



**Biography:** Vince served in the Royal Australian Navy for 40 years. His naval career included flying operations and leadership roles in aviation; squadron, shore and joint commands; education; diplomacy; safety and risk management; and system safety. He holds a Master of Arts (Strategic Studies) from Deakin University. He was awarded the Conspicuous Service Cross in 2007 for outstanding achievement as Director General Navy Certification, Safety & Acceptance in Navy Systems Command. On promotion to Commodore he was appointed Australia's Naval Attaché to the United States and his work as Naval Attaché was recognised by the United States with the award of the Legion Of Merit (Officer Division) by the Secretaries of Defence and US Navy.

On return to Australia he was Director-General Navy Capability Plans and Engagement in Navy Strategic Command and, from January 2013, Commander Fleet Air Arm. During his command significant recapitalization of the Fleet Air Arm's facilities and fleet occurred, including acquisition of Seahawk Romeo helicopters, operational transition of the Maritime Support helicopter, the foundations of the Helicopter Aircrew Training System, and modernisation of the RAN's aviation facilities in Nowra and WA.

Vince retired from full time service in March 2016. He was appointed as Member of the Order of Australia in 2016 for exceptional service. He is a Fellow of the Royal Aeronautical Society and of the Australian Institute of Company Directors.

Vince has been the Chief Executive of Lockheed Martin Australia since December 2016 and is leading LMA to achieve its vision to be Australia's partner of choice for defence, aerospace, sustainment and technology solutions.

The date for Vince's presentation, 7<sup>th</sup> November, 2018 is close to the in-country arrival of the Lockheed F-35 (anticipated week of 10 December).



This year is also the 90th Anniversary of Charles Kingsford Smith and Charles Ulm's 1928 trans-Pacific flight which completed in Brisbane on 9th June, 1928.

**This Prestigious Lecture and Dinner is sponsored by:**



Dinner Dress: Black tie or lounge suit. The Committee looks forward to your company.

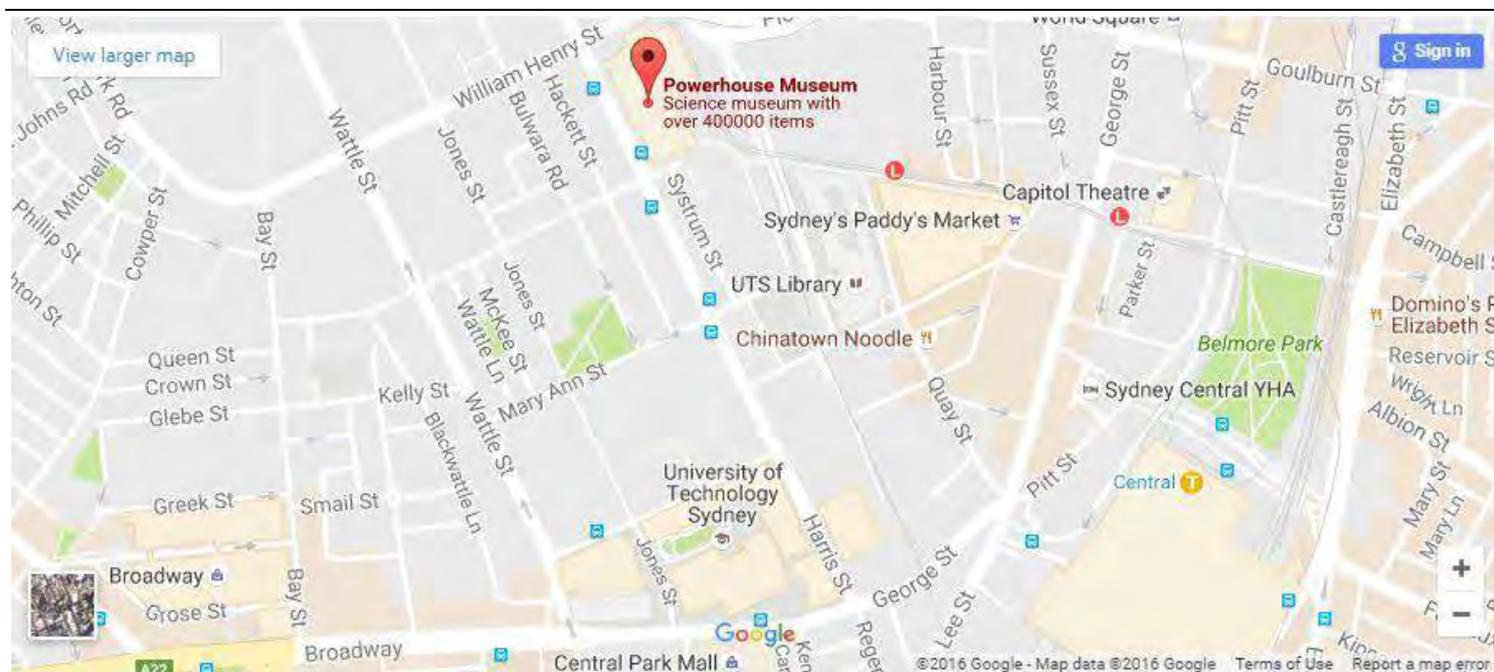


**Please allow time for travel using public transport, traffic delays, parking, and walking to the venue for an 18:00 hours start.** To register and make payment please click on/copy and paste into your URL this link: <http://raesks18.eventbrite.com.au> Your registration will be confirmed by email with an attached ticket. **Please print the ticket and present the ticket at the door.** Anyone who does not have access to the internet or prefers to pay manually by cheque/credit card can complete the form on the last page of this newsletter and send to The Dinner Secretary, Mr Jeff Lock, 4 Hillcrest Place, North Manly NSW. (see last Page).

### **The 60<sup>th</sup> Sir Charles Kingsford Smith Memorial Lecture**

#### **Powerhouse Museum details and map**

The Powerhouse Museum close to Darling Harbour, Chinatown, Central Station (Sydney Terminal), Broadway bus station (Railway Square), and Exhibition Centre Sydney Light Rail Station. The 501 bus stops directly outside the Museum. For bus, train or ferry timetables and routes either phone the Transport Information Line on 131500 or go to the [website](#).



**Parking:** There is limited metered street parking near the museum, located on Harris St, Macarthur St and adjacent streets.

**Discounted parking:** Powerhouse Museum has discounted parking options with the following providers: [Wilson Parking \(adjacent to Novotel Sydney Central\)](#), 179 Thomas Street, Haymarket Discounted \$15 all day parking is available for Powerhouse Museum visitors. To obtain the discount, your parking ticket must be validated at the designated machine located in the Museum shop before returning to the car park.

[Harbourside Car park](#), 100 Murray Street, Pyrmont. Phone 1800 PARKING (1800 727 5464)

Discounted \$14 all day parking is available for Powerhouse Museum visitors. To obtain the discount, your parking ticket must be validated at the designated machine located in the Museum shop before returning to the car park.

**Aerospace Websites:** [www.57rescuecanada.com](http://www.57rescuecanada.com) : Follow Capt. Karl Kjarsgaard's adventures to recover Halifax bomber LW170 which is resting beneath 5000ft of water off the Irish coast;  
[www.adastron.com/707/updates/updates.htm](http://www.adastron.com/707/updates/updates.htm) : Diary of Boeing 707-138B XBA formally Qantas EBA.  
[www.airshow.com.au](http://www.airshow.com.au) [www.atsb.gov.au](http://www.atsb.gov.au) [www.aviationmuseum.com.au](http://www.aviationmuseum.com.au) - Temora Aviation Museum;  
<http://boxkite2014.org/book/book.htm> - The Boxkite project.

[https://en.wikipedia.org/wiki/Rolls-Royce\\_Trent](https://en.wikipedia.org/wiki/Rolls-Royce_Trent)

<http://hars.org.au/> Historical Aircraft Restoration Society

<https://herox.com/SpacePoop> The Space Poop Challenge [www.powerhousemuseum.com/whatson](http://www.powerhousemuseum.com/whatson)

<https://qfom.com.au/> Qantas Founders Museum, Longreach, Qld <http://www.singaporeairshow.com/>

<https://www.youtube.com/watch?v=JGjmRRTThdk> How TIME created their new cover image with 958 drones

[http://www.rbogash.com/B-52/B-52\\_Disassembly.html](http://www.rbogash.com/B-52/B-52_Disassembly.html) How to move a B-52 without flying it – The Final Disassembly and Transport Update for the move scheduled 3/6/2018 - with the wings split and the fuselage in final stages of prep before hitting the freeway.

<https://airandspace.si.edu/collection-objects/assembly-bio-harness-armstrong-apollo-11>

**Diary:** **Sept 20-22:** AirVenture Australia's premier airshow will be hosted at Cessnock Airport – refer: [www.airventureaustralia.com.au](http://www.airventureaustralia.com.au)

**Oct 1-5:** 69th Annual International Astronautical Congress will take place in Bremen, Germany. Call for Abstracts is now open and closes 28 February 2018. For further details refer: <https://iafastro.directory/iac/browse/IAC-18/catalog-technical-programme>

**Oct 15:** Sydney Metro Airports Bankstown, The Regional Aviation Association of Australia, and BASAIR Aviation College applications for the Women in Aviation Assistance Scholarship close. Refer page 5 for details.

**Oct 16-18:** The 10th Asia-Pacific International Symposium on Aerospace Technology (APISAT 2018) to be held in Chengdu, China. APISAT is an initiative by the national aerospace societies of Japan

(JSASS), Korea (KSASS), China (CSAA) and Australia (RAeS Australian Division). Founded in 2009, the conference has grown steadily over the past decade and is an important regional conference in the aerospace calendar. Refer details: [www.apisat2018.com](http://www.apisat2018.com)

**Oct 17:** Women in Aviation/Aerospace Australia Melbourne Summit 2018, 17 October 2018, 8:30am - 5:30pm, Level 17, RACV City Club, 501 Bourke St, Melbourne. Refer details: [www.aviationaerospace.org.au/events/women-in-aaa/women-in-aaa-vic-summit-2018](http://www.aviationaerospace.org.au/events/women-in-aaa/women-in-aaa-vic-summit-2018)

**Nov 2-3:** The Southern Cloud Discovery, Sixty Years On. Special Event with Guest of Honour Mr Tom Sontner – refer page 4 for details.

**Nov 7:** **The 60<sup>th</sup> Sir Charles Kingsford Smith Lecture will be held Wednesday 7<sup>th</sup> November at the Powerhouse Museum, 500 Harris Street, Ultimo. The speaker will be Vince Di Pietro, Chief Executive, Lockheed Martin Australia and New Zealand. This date is close to the in-country arrival of the F-35 (anticipated week of 10 Dec).**

**Nov 15-17:** Aviatex - Australia's largest and most comprehensive general aviation trade show and aviation careers expo, Bankstown Airport. Refer details: [www.aviatex.com.au](http://www.aviatex.com.au)

**Nov 23:** 2019 Lawrence Hargrave Award nominations close – refer page 5 and 6 for further details.

**Dec 7:** The Sydney Branch Christmas and final meeting for the year will be addressed by Mr Greg Hood, Chief Commissioner, Australian Transport Safety Bureau. Further details to be advised.

**Feb 9, 2019:** The fiftieth anniversary of the first Boeing 747 flight.

**Feb 26-Mar 3:** **AVALON 2019** - The essential aviation, aerospace and defence showcase for Australia and the Asia Pacific Region, Avalon Airport, Geelong, Victoria

**Mar 2:** The Anglo-French supersonic airliner **Concorde**, the world's first supersonic airliner, completed a "perfect" maiden flight, which lasted 27 minutes, on March 2 1969. The first flight of the British-built Concorde prototype lasted 22 minutes and was made from Filton airfield near Bristol to RAF Fairford in Gloucestershire on April 9, 1969. Concorde's first supersonic test flight took place on October 1, 1969.

**July 20, 2019:** The fiftieth anniversary of the first men walking on the moon.

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