



**ROYAL
AERONAUTICAL
SOCIETY**
AUSTRALIAN DIVISION
SYDNEY BRANCH

APRIL 2019

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

NEWSLETTER

2018 Annual General Meeting

Royal Aeronautical Society Australian Division Sydney Branch Inc

Date: **Wednesday 10th April 2019** Time: **Commencing 18:00 hours - sharp**

Venue: **Mechanical Engineering Theatre, Mechanical Engineering Building
University of Sydney**

Venue map (copy and paste address into your browser): <http://sydney.edu.au/maps/campuses/?area=CAMDAR>
Scroll down the 'Building Bar' on the left hand side to: **Mechanical Engineering Building J07** and click.

Refreshments will be available prior to the commencement of the meeting.

2018 Annual General Meeting Agenda

- PRESENT:** Members to sign attendance book.
- APOLOGIES:**
- BUSINESS ARISING:** Discussion and motion to accept.
- CHAIRMAN'S REPORT:** Annual Report, discussion and motion to accept.
- TREASURER'S REPORT:** Presentation of 2018 Financial Statement. (Audited report will be sent with the June, 2019 Newsletter). Discussion and motion to accept.
- ANNUAL ELECTIONS:** The Hon Secretary to report on Nominations received for the classes of the Committee by the due date 18th March 2019 and, should there have been more Nominations received than positions available for any of the classes, the result of elections.
- APPOINTMENT OF HONORARY AUDITOR:** Mr Stephen Howard, Harrison and Howard.
- GENERAL BUSINESS:** Any business raised and accepted by the Chairman.
- CLOSE OF AGM:** Thank you for attending the AGM and the Committee looks forward to your continued support.

Should you wish to nominate for the 2019 Committee please complete the Nomination Form on page 5 of this Newsletter and follow the instructions.



Title: **'Unlearned and forgotten lessons for today's Defence Forces from the Spitfire and Hurricane'**

Speaker: **Gregor Ferguson**
PhD, BA(Hons), MRAeS
Director, Rumour Control



Refer: <http://rumourcontrol.com.au/>

Date: **Wednesday 10th April, 2019**

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

Venue: **Mechanical Engineering Theatre
Mechanical Engineering Building
University of Sydney**

Refreshments will be available prior to the commencement of the meeting. Attendance will attract 1.5 CPD hour

Profile: Gregor Ferguson is a long-time student of Innovation. An Industrial designer by training, he has studied Innovation and watched Innovators closely for more than three decades. His PhD was bestowed in 2013 by the University of Adelaide for his doctoral thesis: Product Innovation Success in the Australian Defence Industry – an Exploratory Study. He is now a defence and innovation analyst, consultant and teacher as well as a defence innovation communicator and writer.

He is also the part-time Executive Manager Industry Development at the Aerospace Maritime and Defence Foundation of Australia Limited, AMDA. This not-for-profit Foundation organises four biennial trade shows: the Australian International Air Show and Aerospace & Defence Exposition at Avalon, the Pacific International Maritime Exposition in Sydney, the Land Forces Exposition and the CIVSEC Congress and Exposition. The purpose of these events is to showcase and promote the development of Australia's manufacturing and ICT industry capabilities in the aviation, aerospace, maritime and defence domains. Gregor was also a founding member in 2011 of the not-for-profit SADIG (Sydney Aerospace and Defence Interest Group) industry association which is hosted by RDA Sydney, and currently chairs its Innovation Sub-Committee. Before joining AMDA in December 2011, Gregor spent 14 years as Editor and then Editor-at-Large of Australian Defence Magazine (ADM), Australia's leading defence industry journal, published by Yaffa Media in Sydney.

Born and educated in Scotland, Gregor trained originally as an Industrial Designer at the former Lanchester Polytechnic, now the University of Coventry, in England. He worked for a short while in the British motor industry before entering journalism in 1980 where he became a specialist in defence, transportation, aviation and high technology. In the late-1980s he spent three years working for British Aerospace PLC in Kingston-upon-Thames where he was a PR officer for the Harrier 'jump jet' and Hawk advanced jet trainer, then immigrated to Australia in 1991.

He has been a defence and aerospace specialist since then, writing for ADM, for the US newspapers Defense News and Commercial Aviation News, for The Australian, and carrying out specialist writing, communications and desktop publishing tasks for governments and private sector clients. In 2016 he was elected a Member of the Royal Aeronautical Society (RAeS) in London. He has an Honours degree in Industrial Design (Transportation) as well as a Ph.D.

Synopsis: This talk addresses the technical and industry lessons of the Spitfire and Hurricane projects 80 years ago. Like the Spitfire back then, the Joint Strike Fighter and the RAN's planned new frigates and submarines today are affected by a number of factors identified in research during the intervening period. These include: the Customer Active Paradigm (CAP), where the customer knows more about his business than the supplier and his specialist knowledge (sometimes withheld from the marketplace)



shapes the supplier's innovation process; the user's willingness to innovate in process and practice as well as equipment; the importance of product development strategies that accommodate both user desire and user need (not necessarily the same thing); and the importance of innovator proficiency – in a monopsony market this often requires some strategic investment, even indulgence, by the customer.

Agenda: 18:30 hours sharp: **Presentation by Gregor Ferguson**
19:45 Hours: Q & A
20:00 Hours: **Light supper** (pizzas) will be provided to give the speaker and attendees the opportunity to mingle and to continue discussions.

RSVP: Registration for the evening **is required**. Please register by clicking on/copying and pasting into your URL this link: <http://raesapril19.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. 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.

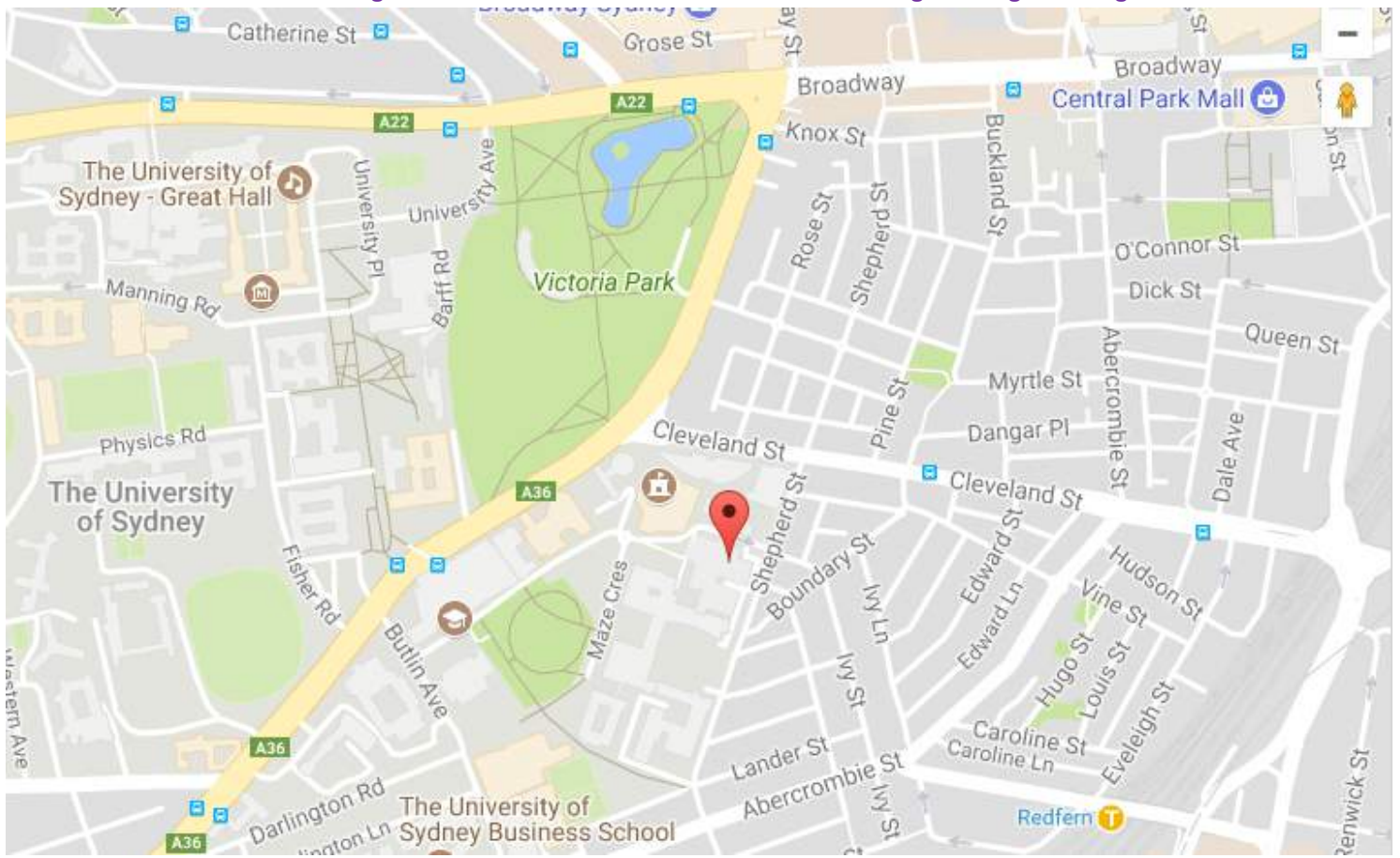
Lecture registration includes:
• **Attendance at the Lecture and Q & A session**

- **Networking opportunities at the welcome tea and coffee**
- **Following the presentation, light supper (pizzas) will be provided to give the speaker and attendees the opportunity to mingle and to continue discussions.**

Introduction of a Non Members Fee to attend monthly presentations: As previously advised, the Sydney Branch Committee has introduced a 'Non Members Fee' to attend our monthly presentations. The fee, initially set at a **Special Rate of \$10** per non-member, will increase to \$15 mid-year. The 'Non Members Fee' will not apply for all presentations. However, it will be clearly displayed when registering on the Eventbrite site – and is payable via credit cards. Should a 'Non Member' not register via Eventbrite, credit card payment facilities will be available on the evening, if a fee is payable for that evening/event.

Join the Society immediately and enjoy free lecture attendance: Students are free in the first year; join immediately as an Affiliate with no entry restrictions; members receive the Aerospace magazine, and can nominate for and vote in Sydney Branch and Australian Division elections. Refer for further details: <https://www.raes.org.au/membership/join-now/>

Venue map (copy and paste address into your browser): <http://sydney.edu.au/maps/campuses/?area=CAMDAR>
 Scroll down the 'Building Bar' on the left hand side to: Mechanical Engineering Building J07 and click.



Parking: is available in the Shepherd Street multi-story car park, located on the corner of Cleveland St and Shepherd St. 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 University of Sydney, park, and walk to the venue.

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 (e.g. 422, 426...) 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>

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.

Lawrence Hargrave Award winner named: Professor Murray Leslie Scott, BEng (Aero), MSc (Aircraft Design), FTSE, FRAeS, FAICD, FAIM, FIEAust, CPEng, is the 2019 winner of the prestigious biennial Lawrence Hargrave Award of the Royal Aeronautical Society Australian Division for an Australian who



AVM Noel Schmidt (Left) – Prof Murray Scott (Right)

has made a significant contribution to Australian aviation. The award was presented by the Australian Division Past President Air Vice Marshal Noel Schmidt, AM CSC FRAeS, at the 18th Australian International Aerospace Congress (AIAC) Dinner on 25th February in Melbourne.

The Lawrence Hargrave Award honours one of Australia’s 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.

Professor Murray Scott has over 35 years’ experience in the field of aerospace engineering. He has made an outstanding contribution to the design and manufacturing of advanced fibre-composite aerospace structures, primarily as CEO of the Cooperative Research Centre [CRC] for Advanced Composite

Structures. This CRC underpinned the design and production of advanced composite structures for the Boeing 787 wings – a notable highlight for Australia’s aerospace manufacturing capability. Full media release: [Click here](#)

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) 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.

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



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

Aerospace Websites: 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 : Diary of Boeing 707-138B XBA formally Qantas EBA.

www.airshow.com.au www.atsb.gov.au www.aviationmuseum.com.au - Temora Aviation Museum;

<http://boxkite2014.org/book/book.htm> - The Boxkite project.

https://en.wikipedia.org/wiki/Rolls-Royce_Trent; hars.org.au Historical Aircraft Restoration Society

<https://herox.com/SpacePoop> The Space Poop Challenge www.powerhousemuseum.com/whatson

<http://www.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 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: April 29-May 2: AUVSI XPONENTIAL 2019 is the largest, most comprehensive trade show for unmanned systems and robotics and will be held at **MCCORMICK PLACE, CHICAGO** - your opportunity to hear from industry leading experts across every domain - air, ground and maritime. Refer details at:



<https://www.xponential.org/xponential2019/public/enter.aspx>

May 4-5: Wings over Illawarra – **Australia's best Annual Airshow!! Right on Sydney's doorsteps!!**. For further details refer:



<https://www.wingsoverillawarra.com.au/>

June 26: Australian Division Safety Forum – further details to be advised.

Saturday July 20: The fiftieth anniversary of the first men walking on the moon. Sydney Branch is arranging a 'Special Event' on the night. Further details to be advised.

July 23-26: Abstracts containing no more than 300 words are now invited for the 2019 Aircraft Airworthiness and Sustainment (Australia) Conference, a non-profit event for the benefit of all those involved in sustaining our fleets, both Civil and Military, safely and economically through their lifecycle. The Conference will be held at the Brisbane Convention and Exhibition Centre. **Closing date for abstracts is 12 April, 2019.** For further details refer: <http://www.ageingaircraft.com.au>

2019 Committee Nomination Form

Send to: The Honorary Secretary, RAeS Aust Division Sydney Branch Inc, 88 Trafalgar Street, Annandale, NSW 2038 or Email: sydneybranch@raes.org.au (please ensure that Nomination Forms have been correctly signed)

The 2018th Sydney Branch Annual General Meeting is to be held on Wednesday 10th April 2019, at 18:00 hours, in the **Mechanical Engineering Theatre, Mechanical Engineering Building, University of Sydney**. In accordance with the Branch Rules of the Sydney Branch of the Royal Aeronautical Society Inc passed at the AGM held 7th March, 2018, nominations for the Committee are called and shall be made in writing and signed by one member of the Branch and countersigned by the Nominee. The Committee consists of one Chairman, and 3 Student Representatives, who hold their positions for 12 months, and 10 Ordinary Committee Members (in total 14 people). The 10 Ordinary Committee Members will have a term of 2 years. However, as this is the first election since the change of the Sydney Branch Rules at the AGM held 7th March, 2018, half of the 10 successful candidates will be elected for one year whilst the remaining five will hold office for 2 years. The 2019 Committee will determine the five Ordinary Committee Members who will have a 1 year term, with the remaining 5 having a 2 year term. All future terms for the 10 Ordinary Committee Members will be for 2 years.

Please forward completed Nomination Forms to the Branch Honorary Secretary at the address above by Monday 18th March, 2019 which is at least twenty one (21) days prior to the 2018 Annual General Meeting.

I(Nominator's Full Name)

of(Nominator's Address)

nominate(Nominee's Full name)

of(Nominee's Address)

as an: Ordinary Committee Member / Student Representative / Chairman (*delete 2 of these classes as appropriate*) for the Sydney Branch of the Royal Aeronautical Society Australian Division for the Year 2019.

Signed:.....Date:.....Member Number:.....(Nominator)

Signed:Date:Member Number:.....(Nominee)

Tel contact:(Nominee) email:(Nominee)

NOTE: PLEASE USE ONE FORM FOR EACH NOMINATION

Office Use Only: Nomination received by the Sydney Branch Hon Sec:.....(Initials).....(Date)

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