



**ROYAL
AERONAUTICAL
SOCIETY**
AUSTRALIAN DIVISION
SYDNEY BRANCH

JULY 2017

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PO Box 573, Mascot, NSW 2020

Web: www.raes.org.au

Email: sydneybranch@raes.org.au

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

NEWSLETTER



The number two engine of the aircraft caught fire during the takeoff roll and takeoff was aborted. 28/10/2016

Aviation Safety Forum

“Safety Matters”

Wednesday 26th July, 2017 commencing 18:30 hours sharp

Venue: **Mech Eng Theatre, Mech Eng Building, Uni of Sydney**

Panellists: Panel facilitator **David Cox FRAeS**

**Ron Bartsch BA(Syd), BSc(Syd), LLB(UNSW), LLM(UTS) Dip
Ed(Syd)** Managing Director, AvLaw Pty Ltd

Roger Chambers MRAeS Sydney Operations Manager –
Airservices Australia

Capt Brian Greeves FRAeS Director, Aviation Solutions Pty Ltd

Manjinder Phull FRAeS General Manager, Special Missions, Hawker Pacific

Refreshments will be available from 18:00 hours

Attendance for the evening will attract 2 CPD hours.

Synopsis: Our annual reflection on the trends, challenges and opportunities concerning safety in aviation. Hear our panel of experts discussing topical safety matters - especially relevant to those working in the industry. There will be time for Q & A so this is your chance to ask about issues as well.



Ron Bartsch: Admitted to practice as a Barrister to the High Court of Australia in 1993, and as a lecturer in Aviation Law for over 25 years, Ron has some 7,000 hours flying experience on aircraft types ranging from Cessna's though to the Boeing 717-200. Ron was previously in charge of safety for Qantas Airways as Group General Manager Safety, Compliance & Operational Risk and was the Manager of Air Transport Operations with CASA in Sydney. Ron is currently Managing Director of AvLaw Pty Ltd, a highly respected international aviation consulting company dedicated exclusively to the aviation industry and is a Director of Regional Express Airlines and Director of Aviation Aerospace Australia. Ron is also author of "Aviation Law in Australia" (4th edition), "International Aviation Law: A Practical Guide" and contributing author for the aviation title of "Halsbury's Laws of Australia". Ron's latest publication "*Drones in Society*" was published in the UK in 2017.



Roger Chambers MRAeS: Roger has been a licenced aircraft engineer in military and general aviation, which included involvement in training, safety and projects including the introduction of the C130J Hercules to service and the early phase of the A330 Air Refuel project. Roger held a number roles in CASA including airworthiness inspector, safety systems support for airworthiness and 6 years as the Regional Manager for Sydney Region. In March 2016 Roger joined Airservices Australia in the position of Sydney Operations Manager where he leads the ATC teams in the Sydney Basin that includes Sydney

Terminal Control Unit, Sydney Control Tower, and the control towers at Bankstown and Camden.



Captain Brian Greeves FRAeS: Brian is a director of Aviation Solutions Pty Ltd, which offers expert services to airports, airlines, regulatory bodies and other aviation organizations. He has been involved in aviation for more than 45 years, both as an RAF and airline pilot, and as a technical, safety and training expert. He was chair of the International Federation of Airline Pilots' Associations Aircraft Design and Operations Committee. He now carries out training for a number of organisations and is a Faculty Manager for the JAA-Training Organisation. He is also

a Safety and Technical Consultant for the Australian Airline Pilots Association and participates in regulatory, safety and operational forums on its behalf.



Manjinder Phull FRAeS: Manjinder is General Manager Special Missions, Hawker Pacific Pty Ltd - Located at Bankstown Airport. Manjinder is a graduate of University of Sydney, where he received his Bachelor of Aeronautical Engineering, B.E. (Aero). After Graduation, Manjinder launched his career as Design Engineer at Australian Flight Test Services (AFTS) Pty Ltd specialising in engineering and project management roles on civilian and military aircraft modification projects. That eventually led to a position with

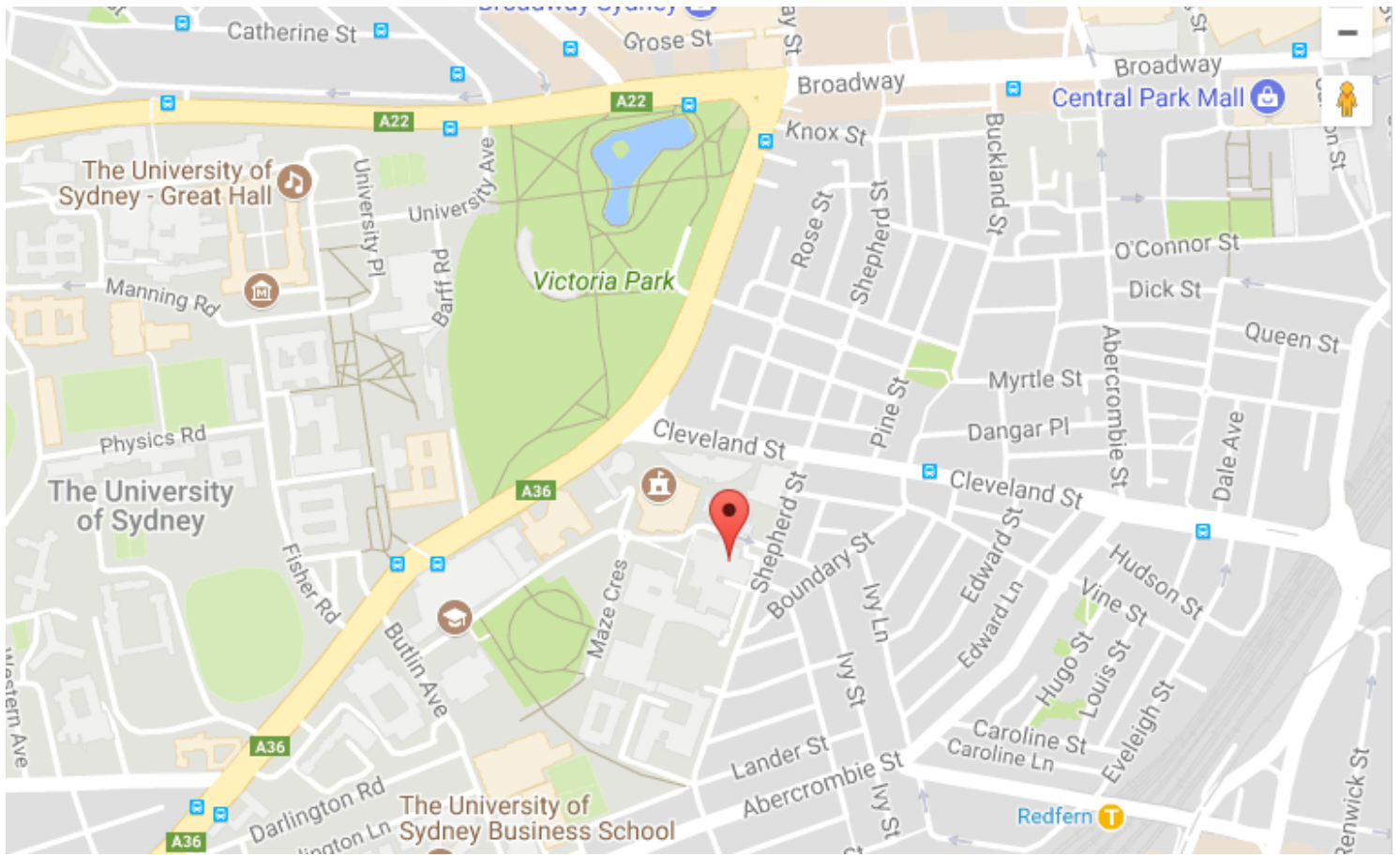
Boeing Australia as a Senior Design Engineer working on F111 aircraft. He then returned to AFTS as Senior Design Engineer and Project Business Manager. Manjinder's career at Hawker Pacific Pty Ltd started in January 2001, from there it has progressed from Project Manager/Senior Design Engineer, Design Engineering Manager, Technical Services Manager, Manager Sydney MRO, and current position as General Manager Special Missions, which he has held since June 2004, during which time the Special Missions department has grown from 4 design engineers to over 25. Manjinder is also a CASA 21M delegate covering Structures, and Systems and Equipment (Mechanical, Electrical, Instrument, and Radio), was previously a RAAF SDE Authorised person for the RAAF B300 fleet, and is currently a RAAF DSDE Authorised Person for the RAAF B300 fleet, and he has either been directly or indirectly involved in over 45 special mission modifications projects. Over the course of his career, Manjinder has completed various courses to strengthen his progress, such as, Master of Business Administration, Occupational Health and Safety Consultation, Foundations of General Management, Exceptional Customer Service to name a few.

David Cox FRAeS (Facilitator): David is currently the COO at the Faculty of Engineering and IT at the University of Sydney. The Faculty, which has been teaching Engineering in Australia since 1883, has over 5,000 students enrolled and is in the top rank of global Engineering Schools. Previously, David had a 23 year airline career with Qantas and 2003 - 2009 was EGM Qantas Engineering with responsibility for over 6,000 staff providing E&M services to the Qantas fleet.



RSVP: Whilst attendance is free - registration for the evening **is required**. Please register by clicking on/copying and pasting into your URL this link: <http://raesjuly17.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.

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.



Light supper: *Following the forum light supper (pizzas) will be provided to give the speaker and attendees the opportunity to mingle and to continue discussions.*

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>

ROYAL AERONAUTICAL SOCIETY AUSTRALIAN DIVISION:

invites you to lunch with Kerrie Mather, Sydney Airport Managing Director and CEO, who will speak on 'Driving growth in a global economy' – **Wednesday 16th August, 2017- 12:00 – 14:00 hours – James Cook Ballroom, InterContinental, Bridge Street, Sydney.** Bookings: <https://sydairportlunch17.eventbrite.com.au>



Membership Information: Annual memberships commence at only \$145 or \$28 for Students (but free for the first year). Being a member helps us sustain a vibrant activities programme and opens the way to access restricted 'member-only' events. For further details refer: <https://www.raes.org.au/index.php/membership/2014-11-02-00-22-30/become-a-member>

59th Sir Charles Kingsford Smith Lecture and Annual Branch Dinner

Will be held on Wednesday 18th October, 2017 at the Powerhouse Museum, 500 Harris Street, Ultimo commencing 18:00 hours and will be presented by:

Jayne Hrdlicka FRAeS
Jetstar Group Chief Executive Officer



who will speak about the future direction of commercial aviation, including the developing trends in low cost carrier operations and the inter-relationship with full service operators.

Jayne Hrdlicka was appointed Group Chief Executive Officer of Jetstar Airways Pty Limited on 1 July 2012 which is the Qantas Group's low fares airline brand. Headquartered in Melbourne, the Jetstar Group includes international and domestic operations in Australia and New Zealand. With its partners, the Jetstar Group also includes airlines in Singapore, Japan and Vietnam. In total, the Group flies to 85 destinations in 18 countries with a fleet of 129 aircraft. Jayne joined Qantas in August 2010 as Group Executive Strategy and Information Technology.

Jayne holds an MBA from Dartmouth College, New Hampshire USA and a Bachelor of Arts degree in Mathematics and Economics from the Colorado College, Colorado USA. In addition to her role at Jetstar, Jayne is a Board Director of Tennis Australia, a Member of the UN Women Private Sector Leadership Advisory Council, a Member of Chief Executive Women, and a Member of the Scotch College Council in Melbourne.

This Prestigious Lecture and Dinner is sponsored by:



Rolls-Royce



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

Please save the date. To register and make payment please click on/copy and past into your URL this link: <http://raesks17.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.

Boeing opens R&D facility at University of Queensland On 26th June, Boeing Research and Technology Australia (BR&T–Australia) moved its Brisbane-based team into a new center within The University of Queensland's (UQ) St Lucia campus. The move is the first time in the Asia-Pacific region that Boeing has co-located research within a university. The BR&T-Australia Technology Centre, at the UQ engineering research hub, opened at an event involving Queensland Minister for Innovation, Science and the Digital Economy and Minister for Small Business Leeanne Enoch and Federal Member for Ryan Jane Prentice. Boeing Australia, New Zealand and South Pacific President Ms Maureen Dougherty said the move would be of great benefit to both Boeing and UQ. "The opening of this centre on campus brings together Boeing and UQ researchers who will collaborate on the next great advances in aerospace," Ms Dougherty said. About 30 Boeing research and technical staff will move to the specially-designed facility that features a high-tech student interaction display area complete with augmented-reality technology, computer labs and collaborative spaces.

2017 Luigi G. Napolitano Award – Call for Applications: The International Astronautical Federation has announced the opening of the Call for Applications for the 2017 Luigi G. Napolitano Award. This award is assigned every year to a young scientist (below 30 years of age) who has significantly contributed to the advancement of the Aerospace Science. The Award consists of the Luigi G. Napolitano commemorative medal and a certificate of citation. It is given every year at the International Astronautical Congress which this year is being held in Adelaide 25-29th September. Applications close 31 August, 2017. For more information refer: [Luigi G. Napolitano Award](#)

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

Ground breaking Airbus family flight 12th June 2017: In a ground breaking first, Airbus flies its A350 XWB, A400M, Eurofighter Typhoon and H160 together in a one-of-a-kind performance. This aeronautical achievement symbolizes the new united Airbus family. Click to view the video: http://www.helicopters.airbus.com/website/en/press/Groundbreaking-Airbus-family-flight_2117.html

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
<http://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/>

2017 Diary: **July 27:** The National Association of the Aviation and Aerospace Industries invites Aerospace Next Gen Professionals to stop by on your way home and meet some of our NextGenNetwork committee members to have a good old chat about the things that might be awesome or bugging yourselves right now in the world of aviation. Venue: Assembly Bar, 488 Kent Street (through Regent Place), Sydney - Time: 16:00 - 18:00 Hours. Refer details: <https://www.aviationaerospace.org.au/events/nextgennetwork/aaa-nextgennetwork-catch-up-brisbane-and-sydney>

Aug 16: RAeS Aust Div ‘Luncheon with Kerrie Mather’ Sydney Airport Managing Director and CEO, who will speak on ‘**Driving growth in a global economy**’ – 12:00 – 14:00 hours – James Cook Ballroom, InterContinental, Bridge Street, Sydney. Refer Invitation attached. Bookings: <https://sydairportlunch17.eventbrite.com.au>

Aug 14-29: ‘Total Solar Eclipse Tour’ Including visits to famous USA Astronomical and Aerospace Facilities. For further details please contact The Sutherland Astronomical Society Inc. Email: info@sasi.net.au

Aug 17: Women in Aviation/Aerospace Australia **Canberra** Summit. Refer details: www.aviationaerospace.org.au

Aug 30: To be confirmed.

Sept 21: Astronaut Stories Australia - Joint meeting with AIAA, AYAA, RAeS, University of Sydney, and supported by The Powerhouse Museum. Join us on the 21st September 2017 for an evening of astronaut stories, a free public event. You are invited to listen and ask your questions to our astronaut panel. The panel will be mediated by Author, Radio host, Science communicator and astronomer Fred Watson and the venue is Abercrombie Business School, University of Sydney. Further information is available at facebook page: <http://www.facebook.com/astrostoriesaus> Please register and stay tuned for more!

Sept 25-29: The 68th International Astronautical Congress – **Unlocking imagination, fostering innovation and strengthening security**-- is being held in Adelaide. Thousands of scientists, including some 200 astronauts, will participate in the international space congress. The global economy and security of many nations depends on assured and secure access to satellites that provide communications, timing and navigation services and remote sensing data. Refer details at: iac2017.org/

Oct 18: **59th Sir Charles Kingsford Smith Memorial Lecture to be delivered by Jayne Hrdlicka, Chief Executive Officer, Jetstar. Venue Powerhouse Museum, Ultimo.**

Oct 18: Women in Aviation/Aerospace Australia **Victoria** Summit. Refer details: www.aviationaerospace.org.au



Nov 14-16: 5th International Conference on Aerospace Science & Engineering (ICASE). Refer details: www.ist.edu.pk/icase

Nov 29: To be confirmed.

Sept 9-14, 2018: 31st Congress of the International Council of the Aeronautical Sciences, Belo Horizonte, Brazil. Call for papers (abstracts only) close 15th July, 2017. Refer details: <http://icas.org/media/ICAS2018CallforPapers.pdf>

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

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

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2017 ANNUAL BRANCH DINNER SUBSCRIPTION FORM

Early Bird: MEMBERS: \$100 single, \$190 double, \$50 students (Closes 31st August) Standard: MEMBERS: \$120 single, \$230 double, \$50 students NON-MEMBERS: \$150 single, \$290 double, \$50 students TABLES of 8 (including Corporate):\$1200

for the 2017 Annual Branch Dinner (welcoming drinks, canapés, and dinner drinks included), to be held Wednesday 18th October, 2017 following the 59th Sir Charles Kingsford Smith Lecture to be delivered by:

Jayne Hrdlicka FRAeS Jetstar Group Chief Executive Officer



who will speak about the future direction of commercial aviation, including the developing trends in low cost carrier operations and the inter-relationship with full service operators.

Venue: Powerhouse Museum, 500 Harris Street, Ultimo Time: 18:00 hours sharp

To register and make payment click on/copy and paste into your URL this link: http://raesks17.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 on the evening.

Anyone who does not have access to the internet, or prefers to pay manually by cheque/credit card can complete the form below and return to: The Dinner Secretary, Mr. Jeff Lock, 4 Hillcrest Place, North Manly, NSW, 2100. Please make cheque payable to 'RAeS Aust Div, Sydney Branch Inc'.

Credit Card payments details.

Name: Phone: E-Mail:

Address: Postcode:

Name Tag Details Name: Name:

Credit Card Details: Visa MasterCard AMEX

Card Number: Card Expiry Date:

Name on card: Amount you wish to pay:

Signature:

If you wish to sit with a group please note the names:

Please advise special dietary requirements here:

Dinner Dress: Black tie or lounge suit

Registrations close Monday 16th October, 2017 Thank You.

This Prestigious Lecture and Dinner is sponsored by



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