



**ROYAL  
AERONAUTICAL  
SOCIETY**

AUSTRALIAN DIVISION  
SYDNEY BRANCH INC

# NEWSLETTER

DECEMBER 2012

Vol 2012-10 PO Box 573, Mascot, NSW 2020 ABN 75 134 058 731 Email: [sydneybranch@raes.org.au](mailto:sydneybranch@raes.org.au) <http://www.facebook.com/RAeS.Sydney> [www.raes.org.au](http://www.raes.org.au)

Date: **Wednesday, 5<sup>th</sup> December 2012**

Time: **17:30 for 18:00 hours**

**2012 Annual General Meeting**

**Commencing 18:30 hours:**

**Speaker: Mr John King FRAeS**

**Managing Director**

**True/False Consulting Pty Limited**

**Topic: 'Life, the universe and Aviation'**

**Venue: Mechanical Engineering Lecture Theatre**

**Mechanical Engineering Building, J07**

**University of Sydney**

Refreshments will be available prior to the commencement of the meeting

## Speaker Profile



John joined Hawker de Havilland in 1983 as an aeronautical engineer, working on a range of manufacturing projects like the A10 Wamira trainer and the Sikorsky X Wing demonstrator. He joined Qantas in 1985, progressing through various Engineering and Customer Services Groups.

Promoted to the position of Manager Military Customers in 1993, he was responsible for all Defence MRO activities and developing new Defence business opportunities. John co-chaired the RAAF-Qantas Partnering relationship, the first of its kind between Industry and Defence. He has presented at numerous Defence and Industry forums and was a member of the original Defence-Industry Aerospace Sector Plan working group.

Leaving Qantas in 1996, he joined Coopers and Lybrand (C&L) Management Consulting Services (now IBM Global Business Solutions) in their Mining, Manufacturing and Defence Group. Assignments undertaken focussed on Asset Optimisation and Maintenance Management Strategy, working in the primary industry, natural resources, manufacturing, mining, shipbuilding and Defence industry sectors. John led the project team assisting the Defence Materiel Office in developing strategies and for the Defence Reform Program outsourcing initiative and undertook a review of the Collins submarine project for the AIDC.

Rejoining Qantas in 1999, he took up the position of General Manager Defence Services. John developed the initial strategy, business model and rules and branding for the newly formed Qantas Defence Services subsidiary and was appointed General Manager Commercial in June 2000. John tendered for, negotiated, and implemented major defence contracts including the C-130 Weapon System, the RAAF Special Purpose Aircraft fleet and the EADS-Qantas Defence Services KC-30A MRTT.

Leaving QDS in February 2004, John joined Hawker Pacific as the Vice President MRO Australia. He was responsible for all commercial aircraft MRO activities in Australia across 14 facilities, including Engineering Services, fixed and rotary wing Airframe, Engine and Component maintenance facilities. He

introduced initiatives such as group-wide customer awareness training, human factors training, the first formal Safety Management System for an MRO and the first EASA 145 certification in the world.

In 2007, John established True / False Consulting to provide strategy and business development, implementation, project management, tender team leadership and client engagement services in the Defence and Aerospace sectors. Clients range from US and European defence and aerospace firms looking to establish business operations in Australia, boutique international consultancies, Australian aerospace and Defence companies through to local SME's wishing to develop Defence and Aerospace industry opportunities.

Recent engagements have covered special mission aircraft projects, prison management, Rail infrastructure, Airline FIFO opportunities in the resource sector and developing business capture strategies for a major aerospace company in the Chinese aerospace and airports sectors. To date, John has won over A\$ 4 Billion in new business and has a nearly 80% tender success rate.

## Synopsis

John will provide some observations on the current and future state of aviation business and technology and look at some of the challenges and promises those OEMs, Systems providers, Airports and Airlines are endeavouring to overcome and deliver, and what a career in aviation may look like over the coming decades. These challenges and promises will be discussed and include audience participation.



## Parking

Best parking is in the Shepherd St Car park corner of Cleveland St and Shepherd St. Please observe parking restrictions and allow time to drive to the University of Sydney, park and walk to the venue. (Refer map).

## Post Presentation

The Sydney Branch Committee will be providing traditional Christmas refreshments following the presentation and invite everyone to meet and mingle with John and the Sydney Branch Committee.

**RSVP:** Please register your attendance by clicking on the link: <http://www.raes.org.au/events/> or email by lunchtime Wednesday 5<sup>th</sup> Dec to: [sydneybranch@raes.org.au](mailto:sydneybranch@raes.org.au)

## From NASA via Lockheed-Martin to UNSW Dr Naomi Tsafnat Lecture 31<sup>st</sup> October, 2012

Most aerospace engineering students these days may have been inspired to pursue a career in the industry after watching several Hollywood fiction films and perhaps the occasional biographical stories. For UNSW Associate Lecturer Dr Naomi Tsafnat, the inspiration

came from a series of books by the American author Richard Bach which led her to embark on a rewarding and exciting career. Her autobiographical lecture delivered last month for the Sydney Branch at the University of Sydney was nothing short of encouraging. As an engineering student in San Jose State University- California, Dr Tsafnat talked about her involvement in a project at NASA Ames Research Center in designing a working hybrid rotary/fixed wing model aircraft. Her experience not only demonstrates the ability of students to carry out complex engineering tasks but also the need for student opportunities like these here in Australia. Upon graduation, her role as a thermal engineer for Lockheed-Martin Space Systems saw the design and development of a cooling system using numerical analysis that is now employed in a few satellites orbiting the Earth. Dr Tsafnat soon got involved in biomechanics wherein she applied her skills in thermal engineering to understand medical problems such as liver tumours. Moreover, her involvement in the study of structural patterns in cuttlefish bone and sea urchins using finite element analysis is a promising topic worth looking at for their high strength-to-weight ratio as these creatures continuously withstand the high pressure underwater. Such structural patterns may prove to be beneficial in the development of new aerospace materials. Dr Tsafnat further discussed the role of bio mimicry in aerospace research emphasising the fact that there is still much to learn from nature. With a topic so varied and interesting, a lively discussion soon followed with a chance to mingle with Dr Naomi Tsafnat over pizza and drinks. The talk not only gave insight on the applicability of aerospace knowledge in other research disciplines but also on how it can work simultaneously with other sectors for its advancement and further growth.

Reporter Dan Constantine Hela  
UNSW Student Representative, Sydney Branch Committee.

#### **Lieutenant Matthew Goodall – Centenary Memorial Garden**

The Garden was opened on 9<sup>th</sup> November 2012 at Sydney Technical High School. Lieutenant Goodall was one of nine young service personnel who died in a helicopter crash which included Lieutenant Paul Kimlin, aircraft captain, who delivered an inspiring lecture to the Sydney Branch on 27<sup>th</sup> October 2004 entitled "Operation Falconer – Persian Gulf 2003".

Born in 1980, Lieutenant Goodall joined the Royal Australian Navy in January 1998 as a Midshipman at the Australian Defence Force Academy. He completed a Science Degree majoring in Mathematics, Computer Science and Oceanography. He was a member of No.2 Flight RAAF cadets

at Sydney Technical High School joining in Year 9. He received a Defence Force scholarship in Year 11 and when he finished cadets he won the award for the top cadet of the year. Matthew graduated from Sydney Technical High School in 1997

His first deployment was Sumatra Assist 1 to help with the tsunami victims. He was then deployed to Sumatera Assist 11 to help with the Indonesian earthquake. He never made it home between those two deployments. The ship was heading home when the earthquake struck and they were sent back. Matthew celebrated his 25<sup>th</sup> birthday in Singapore on the way home. A few days later 2<sup>nd</sup> April, 2005 while on a rescue mission to help badly injured Indonesians, on the island of Nias, the helicopter crashed and Matthew was killed. For further details refer: [http://www.defence.gov.au/sea\\_king\\_boi/pdf/chapters/Chapter%205.pdf](http://www.defence.gov.au/sea_king_boi/pdf/chapters/Chapter%205.pdf) - reporter Mr Peter Brooks, Australian Division, Administration Officer.

#### **Airbus Fly Your Ideas**

Students wanting to help shape the future of flight have just weeks remaining in which to register to participate in the global Airbus Fly Your Ideas university challenge carrying a top prize of Euro 30,000.00. Team registrations close on November 30, 2012. For more information and to register visit [www.airbus-fyi.com](http://www.airbus-fyi.com)

#### **7370<sup>th</sup> Boeing 737**

On 5<sup>th</sup> November, 2012 Boeing Commercial airplanes delivered the 7,370<sup>th</sup> 737 to come off the production line to Indonesia-based Lion Air. This airplane is Lion Air's Next-Generation 737. The Boeing 737 is the best-selling commercial jetliner of all time with total orders exceeding 10,100 airplanes, including orders for the new 737 MAX.

#### **RAeS Ties, Coffee Mugs, and Lapel Pins**

Variety of RAeS Ties \$20 each, Sydney Branch coffee mugs (with new logo) & lapel pins available at Branch meetings for \$10 each.

#### **Diary 2013**

**24-26 Feb:** AUVS-Australia 2<sup>nd</sup> Annual Unmanned Vehicle Systems Conference entitled "Unmanned Applications-UAS & Beyond" will be held in the Melbourne Convention & Exhibition with the final day (26<sup>th</sup>) at the Avalon Air Show. For further details refer: [www.auvsi.org/australia/events/conferences/](http://www.auvsi.org/australia/events/conferences/)

**26 Feb- 3 March:** Australian International Airshow and Aerospace & Defence Exposition. For further details refer: - [www.airshow.com.au/airshow2013/index.html](http://www.airshow.com.au/airshow2013/index.html)

**24-28 June:** 10<sup>th</sup> Annual Meeting Asia Oceania Geosciences Society, Brisbane. For further details refer: [www.asiaoceania.org/aogs2013/public.asp?page=sessionProposal.htm](http://www.asiaoceania.org/aogs2013/public.asp?page=sessionProposal.htm)

#### **The Annual General Meeting of the Royal Aeronautical Society Australian Division - Sydney Branch Inc**

will be held on Wednesday 5<sup>th</sup> December 2012, commencing at 18:00 hours, in the Mechanical Engineering Lecture Theatre, Mechanical Engineering Building J07, The University of Sydney.

#### **2012 AGM AGENDA**

- PRESENT:** Members to sign attendance book.
- APOLOGIES:**
- PREVIOUS MINUTES:** Minutes of the 2011 AGM, discussion and motion to accept.
- BUSINESS ARISING:** Discussion and motion to accept.
- CHAIRMAN'S REPORT:** Annual report, discussion and motion to accept.
- TREASURER'S REPORT:** Presentation of 2012 financial statement. (Audited report will be sent with the February Newsletter). Discussion and motion to accept.
- ANNUAL ELECTIONS:** The Hon Sec to report on Nominations received for the classes of Committee by the due date 14<sup>th</sup> November 2012 and, should there be 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 MEETING:** Thank you for attending, and best wishes for the Festive Season. Close of AGM.
- PRESENTATION:** **Mr John King, FRAeS** (To commence 18:30 hours)  
*Christmas refreshments will follow the conclusion of John King's presentation.*