



ROYAL AERONAUTICAL SOCIETY BRISBANE BRANCH NEWSLETTER

March 2010

2010 Calendar of Events

Mar	30	19th George Stephenson Lecture Managing to Improve The World Through Engineering, IMechE President Keith Millard
Apr	14	Eminent Speaker Tour 'The Past, the Present and the Future – Three Generations of Composites Development at NLR', Mr. Fred Abbink (Exec Dir NLR)
May	25-27	Heli & UV Pacific
	26	ARCAA Aust Research Centre for Aerospace Automation, Prof. Rod Walker
Jun	30	Virgin Blue Simulator
Aug	25	Scramjet, Allan Paull DSTO Hypersonics
Sep	29	Antarctic Broadband, Aerospace Concepts
		Nancy Bird Walton
Oct	27	F-111 Farewell, Group Captain Peter Lloyd
Nov	24	KC – 30 MRTT Multi Role Tanker Transport

CONGRATULATIONS AYAF SPONSORSHIP GRANTED

RAeS Australia Division has recently granted sponsorship (Platinum) to the Australian Youth Aerospace Forum (AYAF). The package will see RAeS being exposed to large numbers of undergraduates and high school students.

The AYAF and its predecessors have taken a leading role in the education and inspiration of Queensland's high school students who have an interest in aerospace for the last eleven years. Over the past 12 months the forum has expanded into an Australia-wide event, with participants from every state attending the 2009 forum.

RAeS encourages members to introduce the AYAF to family and friends who are currently or interested to be involve in the aerospace industry. Please visit their website at www.ayaf.com.au/ayaf-2010.

Welcome Back to 2010!

RAeS Brisbane hoped that all members and their family had a relaxing Christmas and Summer. The branch wishes you all the best for the coming year with all the challenges ahead in 2010.

2010 certainly looks to be one to remember with the retirement of the F-111 and the Introduction of its replacement, the F/A-18 Super Hornets. Check out the 2010 calendar for this year's planned program or jump onto the RAeS website <http://www.raes.org.au> to found out what is happening with the society throughout the year.

14th April 2010 Lecture

Eminent Speaker—Mr Fred Abbink

Survival of the Fittest: 90 Years of Dutch Aeronautics - RDT&E in a Globalising Environment

**Venue: Engineers Australia QLD Division Auditorium
447 Uppder Edward St, Brisbane
(A map of EA QLD Division is provided on the
2nd page of this newsletter)**

Date: Wednesday 14th Apr 2010

Time: 5:30pm for a 6:00pm start

Cost: FREE for RAeS and EA Members, \$10 (inc GST) for non-members

RSVP: Please contact Frosty Williams on FrostyWilliams@optusnet.com.au or visit www.raes.org.au to register online.

Fred Abbink is the General Director of the national Aerospace laboratory of the Netherlands (NLR). He graduated in Electrical Control Engineering from the Technical University Delft in 1968 after which he served in the Royal Netherlands Navy as a project engineer on a number of avionics projects.

Fred will address the NLR RDT&E support of the Dutch Military Forces in the field of threat analysis, self protection, training and maintenance, as well as helicopter-ship qualification.

For more information please visit

<http://www.engineersaustralia.org.au/eminentspeaker/>



Aerodynamics: a discipline swept away?

Prof. Cord-Christian Rossow,

Director of the Institute of aerodynamics and Flow Technology, German Aerospace Center (DLR)

The Royal Aeronautical Society hosted this year's Lanchester Lecture at Manchester Central, as part of the first Council of European Aerospace Societies (CEAS) Air and Space Conference held in the UK. Below is a small extraction of the lecture detailed in the RAeS Preston newsletter.

"Aerodynamics was one of the dominating disciplines of aircraft design even before the first century of flight began. Nowadays, as developments in aircraft performance and safety have become fairly mature, it is often considered to offer little further potential. The air transport system has migrated from a 'technology push' mechanism to one of 'market pull', focusing more on what is cheaper to operate. However, anxiety over the instability of fuel prices, combined with concerns over the environmental consequences of the use of fossil fuels, has made fuel economy a paramount consideration.

RAeS Brisbane acknowledges RAeS Preston for providing their newsletter for our readers.

For full details of the lecture, please visit <http://raes.org.au/assets/RAeS-Preston-Branch-newsletter.pdf> (Click here)

19th George Stephenson Lecture Managing to Improve The World Through Engineering, IMechE President Keith Millard

Date: 30 March 2010, 12:30pm start

Venue: Hawken Auditorium, 447 Upper Edward Street, Brisbane

Cost: \$10

The overall theme of Keith Millard's year of office is using management techniques to improve the world through engineering. Keith's engineering education, training and experience provided the foundation for his management capability, which draws its strengths from three main areas project management, strategy and leadership.

For more information, please contact IMechE QLD Panel Chairman Daya on (07) 3818 4344 or visit <http://www.engineersaustralia.org.au>.



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