



# 15<sup>TH</sup>

Monday 25 - Thursday 28 February 2013  
MELBOURNE CONVENTION CENTRE, AUSTRALIA

# Australian International Aerospace Congress



*In conjunction with the*



## AEROSPACE OPPORTUNITIES IN THE ASIAN CENTURY

### Invitation

I am pleased to announce that Australia's premier Aerospace forum, the 15th Australian International Aerospace Congress (AIAC15), will take place at the Melbourne Convention Centre, 25 -28 February 2013. AIAC15 is held in conjunction with the Australian International Airshow and Aerospace & Defence Exposition, both taking place concurrently at the Avalon Airport.

The heritage of the Congress dates back to 1985 and, like its predecessors, the 15th Australian International Aerospace Congress will provide an excellent platform to meet with our colleagues, to present and discuss our work, and spend a day at AVALON2013 Airshow on 28 February 2013. AIAC15 will facilitate three technical conferences under the one umbrella:

- 15th Australian Aeronautical Conference
- 8th DSTO International Conference on Health and Usage Monitoring (HUMS2013)
- 2nd International Conference on Near Net-shape Manufacturing

We are looking to build on the success of AIAC14 with a solid program of technical papers, complemented by acquisition program updates and notable product briefings. We are also busy planning activities to specifically engage the aerospace student fraternity as well as encourage greater participation from SMEs and their staff.

On behalf of my dedicated AIAC15 Organising Committee, and all of our valued stakeholders, it gives me great pleasure to invite you to what I trust will be a rewarding Congress and Airshow experience.

**Dr Noel Martin**

*Chairman*

15th Australian International Aerospace Congress

To register and find out more visit

[www.aiac15.com](http://www.aiac15.com)



**Early Bird Registration Closes 3 December 2012**

# INCORPORATED CONFERENCES

Registration includes access to all incorporated conferences for all delegates



## 15th Australian Aeronautical Conference

**Chair: Professor Brian Falzon** – *Chair of Aerospace Engineering, Department of Mechanical and Aerospace Engineering, Monash University*

The Fifteenth Australian Aeronautical Conference brings together a broad range of interests from aviation and aerospace communities, both civil and military, in Australia and internationally. This year's conference consists of complementary streams canvassing ideas, research and experiences on topics which include Aerostructures, Aerodynamics, Aviation Operations, Space Technologies, Unmanned Air Systems, Material Sciences, Propulsion, Avionics and Systems Engineering. The conference is the pre-eminent forum for the discussion of ideas for the future of aerospace in Australia. Each day, the conference will run multiple parallel streams of presenters selected from an impressive array of papers submitted from academia, research institutes and industry in Australia, Asia, USA, Europe and the Middle East.



## 8th DSTO International Conference on Health & Usage Monitoring (HUMS2013)

**Chair: Roger Vodicka** – *Propulsion Systems Branch, Air Vehicles Division, Defence Science and Technology Organisation (DSTO)*

**Co-Chair: Graham Forsyth** – *Consultant and Founder of HUMS Conference for Defence Science and Technology Organisation (DSTO)*

This is the eighth in the HUMS series of conferences conducted since 1999 by DSTO in conjunction with the Australian International Airshow. HUMS2013 will feature a high quality of papers covering HUMS and CBM and other monitoring programs for helicopters, fixed-wing aircraft, land vehicles and other mechanical equipment. Techniques included range from usage monitoring, health (condition) monitoring, rotor track and balance, vibration analysis and structural loads monitoring as well as such items as cost-benefit models and data management schemes. After the two days at the Congress venue, HUMS2013 will continue on the Thursday with papers and site visit at the Airshow conference centre at Avalon Airport near Geelong. HUMS2013 is run by a committee comprising representatives of the major areas within Air Vehicles Division of DSTO.



## 2nd International Conference on Near Net-Shape Manufacturing

**Chair: Xinhua Wu** – *Director, ARC Centre of Excellence for Design in Light Metals*

Near net-shape manufacturing is leading on to the 3rd Industrial Revolution (21 April 2012, The Economist). This Conference aims to present the latest innovation and achievements in a range of net-shape manufacturing processes and associated equipment. Key topics such as materials, process modelling and optimisation, lifecycle assessment and standardisation will be covered.

## INVITED SPEAKERS

**Professor Takashi Ishikawa**  
*Professor of Aerospace Engineering  
Graduate School of Engineering  
Director of the National Composite Center  
Japan Nagoya University*

**Dr David Jarvis**  
*Head of New Materials & Energy Unit  
European Space Agency*

**Professor Nick Lieven**  
*Dean of Engineering  
University of Bristol*

**Arvind Mehra**  
*Executive Director and  
Chief Executive Officer  
Mahindra Aerospace*

**Air Vice Marshal Kym Osley**  
*Program Manager New Air  
Combat Capability  
Defence Materiel Organisation*

**The Hon Gordon Rich-Phillips, MLC**  
*Minister for the Aviation Industry*

## ASSOCIATED EVENT

**AVALON 2013: Australian International Airshow & Aerospace and Defence Exposition.** Included in all full registrations is a day at the Australian International Airshow AVALON 2013

## SPONSORS

### Congress Principal Partner



### Congress Sponsor



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**ADVANCED MANUFACTURING CRC**  
Propelling Australian innovators into global manufacturing

### HUMS Gold



## CONGRESS SOCIAL FUNCTIONS

### Welcome Reception

Monday 25 February 2013  
Melbourne Convention Centre,  
1730-1900 hrs

### Congress Dinner

Tuesday 26 February 2013  
Myer Mural Hall, 1900-2300 hrs

### HUMS Conference Dinner

Wednesday 27 February 2013  
River's Edge, 1900-2230 hrs

### Near Net-Shape Manufacturing Dinner

Wednesday 27 February 2013  
Waterfront Restaurant, 1830-2200 hrs

## CONGRESS REGISTRATION FEES

Registration Type	Early Bird (Before 3 Dec 2012)	Standard (After 3 Dec 2012)
Member	\$850	\$955
Non Member	\$955	\$1060
Student / Retiree Member	\$535	\$640
Student / Retiree Non Member	\$640	\$745
Group Discount Member	\$787	\$892
Group Discount Non Member	\$892	\$997
Day Registration	\$640	\$745

All prices are in Australian Dollars and are inclusive of GST. Please refer to website for inclusions.

## CONGRESS OFFICE

**WALDRONSMITH Management**



We bring people together and your conference to life

119 Buckhurst Street, South Melbourne, VIC 3205, Australia  
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To register and find out more visit  
**www.aiacl5.com**