

**Congress Announcement**

Announcement: Sixth DSTO International Conference on Health and Usage Monitoring, Melbourne and Avalon, Australia, 23<sup>rd</sup> to 26<sup>th</sup> March 2009.

For 2009, as in 2005 and 2007, the DSTO International Conference on Health and Usage Monitoring will form part of the Australian International Aerospace Congress and, as for all the five previous conferences in this series, will be held in conjunction with the Australian International Airshow. All these events will held in or near Melbourne, Australia late in March 2009. Further details will be available from the websites:-

HUMS2009	<a href="http://www.dsto.defence.gov.au/hums2009/">www.dsto.defence.gov.au/hums2009/</a>
AIAC13	<a href="http://www.aiac13.com">www.aiac13.com</a>
Airshow	<a href="http://www.airshow.net.au">www.airshow.net.au</a>

Melbourne visitor websites

[www.thatsmelbourne.com.au](http://www.thatsmelbourne.com.au)  
[www.visitvictoria.com](http://www.visitvictoria.com)

**Topics and Platforms**

Increasingly, mechanical devices whether fixed systems, land vehicles, marine vehicles (including submarines) or aircraft (including helicopters), are being managed using various Condition Monitoring (CM) or Condition-Based Maintenance (CBM) approaches. All these approaches rely on health (condition) and usage monitoring systems and are most suited to ensuring availability, reliability and safety of critical and high-value assets.

Abstracts will be sought for papers in topics:-

- Health/condition and usage monitoring strategies including Condition-Based Maintenance (CBM)
- HUMS technologies
- HUMS and other monitoring programs
- Monitoring techniques for Propeller/Rotor Track and Balance (RTB)
- Monitoring techniques for engine & transmission vibration analysis
- Structural loads monitoring
- Cost-benefit analysis
- Data management

As these apply in areas such as:

- Helicopters
- Fixed-wing aircraft
- Land vehicles
- Marine vehicles

- Fixed machinery
- Other or multiple areas.

All abstracts will be provided electronically via a website address to be provided when abstract submission opens.

#### Workshop Sessions.

A number of workshop sessions are being planned for Monday 23rd March. These will be run at DSTO and may have a small additional charge to the standard AIAC13 registration.

### Dates and Locations

During May 2008	Call for abstracts announced
18 July 2008	Call for abstracts close
29 August 2008	Notification of acceptance/decline of abstracts
During October 2008	Registration Brochure Released
3 November 2008	Full paper for refereeing due (draft 1)
12 December 2008	Earlybird Registration deadline
12 December 2008	Full paper non-refereed due
January 2009	Production of final program
30 January 2009	Full refereed paper due (draft 2)
23 March 2009	HUMS2009 Workshops at DSTO
24/25 March 2009	HUMS2009/AIAC13 at Hyatt Hotel, Melbourne
26 March 2009	Demos/Visit to Airshow

### Sponsorship

Current intentions are to use the close connections with the Australian International Aerospace Congress and Australian International Airshow to allow three simple sponsorship formats:

1. Organisations operating widely in the aeronautical field will be offered "Partner Packages" covering each of the Australian International Airshow and Aerospace & Defence Exposition, the Chief of Air Force Conference and the Thirteenth Australian International Aerospace Congress;
2. Organisations wishing to restrict their sponsorship solely to the Thirteenth Australian International Aerospace Congress will be offered "Congress Sponsor" packages for AIAC13; and
3. Conference Sponsorship packages specifically for the HUMS2009 Conference.

An offer document describing only the third of these is now available. If you wish

to see this offer document, please let us know.

*[The committee reserves the right to decide which sponsorship offers to accept and what alternate proposals should be made.]*

## HUMS2009 Committee

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