

**AVALON 2009**  
AUSTRALIAN INTERNATIONAL AIRSHOW  
AND AEROSPACE & DEFENCE EXPOSITION  
10-15 MARCH 2009 GEELONG VICTORIA



***UNMANNED AIRBORNE VEHICLES  
AND INTEGRATED SYSTEMS***

***SYMPOSIUM & PAVILION***

***10 & 11 MARCH 2009***



[www.airshow.com.au](http://www.airshow.com.au)

# UNMANNED AIRBORNE VEHICLES & INTEGRATED SYSTEMS SYMPOSIUM & PAVILION

To supplement the Australian Department of Defence closed Uninhabited Aerial Systems Seminar (being held on Monday 9 March 2009) Aerospace Australia Limited, will present a dedicated Unmanned Airborne Vehicles & Integrated Systems Symposium and associated Exhibition Pavilion at the 2009 Australian International Aerospace & Defence Exposition at Avalon on Tuesday 10 March and Wednesday 11 March.

The Unmanned Airborne Vehicles & Integrated Systems Symposium and Exhibition Pavilion at **AVALON2009** will provide exhibitors with a unique opportunity to present and showcase technologies, products and capabilities to prospective defence, homeland security and civilian customers at a dedicated forum and venue.

The Symposium at Avalon is supported by the Australian Defence Force and is included in the program for attendees at the Defence closed seminar and may also be attended by interested trade visitors at **AVALON2009**.

With increased activity in ensuring global, regional and homeland security, advanced surveillance systems are being demanded to provide up-to-date and high-resolution imagery and offer the effective security surveillance of borders, offshore/onshore oil and gas assets, fisheries and infrastructure, as well as disaster recovery, change detection, target identification and tracking (including accurate sensor to shooter and BDA capabilities). Unmanned Aerial Vehicle (UAV) and Intelligence, Surveillance and Reconnaissance (ISR) Sensor & Airborne Systems technology has grown rapidly in the last decade, providing considerably enhanced value strategically and tactically. However, defence and government national security agencies are increasingly looking for affordable and sustainable systems' capabilities with minimal footprint and operating personnel.

There is also increased demand for more powerful sensor payloads, advanced information and vision exploitation systems with advanced C2I and C4I capabilities for both manned and unmanned aircraft, as well as ground-based systems.

The Australian International Aerospace & Defence Exposition brings together customers, suppliers and industry exhibitors at **AVALON2009**. Prospective users of UAV and ISR sensors and airborne systems will be invited to participate in this important Symposium.

## **Why Participate in the Unmanned Airborne Vehicles & Integrated Systems Symposium?**

- The Symposium complements the Department of Defence closed Uninhabited Aerial Systems Seminar and will be included in the program of participating senior Defence leaders
- Attendance at the Symposium is free to **AVALON2009** trade visitors
- No participation fee is payable by presenters at the Symposium who are **AVALON2009** exhibitors
- Additional exposure through advertising and promotion
- Sponsorship opportunities
- Allows exhibitors to present and discuss their technologies, products and capabilities to an influential audience of potential customers, defence officials and industry professionals and trade delegates
- The Unmanned Airborne Vehicles & Integrated Systems Symposium is an official event at the 2009 Australian International Aerospace & Defence Exposition at Avalon
- The Symposium at **AVALON2009** is presented by Aerospace Australia Limited and supported by the Australian Department of Defence

## **Why Exhibit in the Unmanned Airborne Vehicles & Integrated Systems Pavilion?**

- A focal point at the **AVALON2009** Australian International Aerospace and Defence Exposition
- Affordable exhibition space for SMEs and larger exhibitors
- Additional exposure through advertising and promotion
- Sponsorship opportunities
- Complete exhibition package in a dedicated location allows for easy setup
- Higher exposure in being part of a larger and dedicated industry group
- Networking opportunities with international exhibitors and potential customers
- The Unmanned Airborne Vehicles & Integrated Systems Pavilion is organised and presented by Aerospace Australia Limited



*Northrop Grumman Fire Scout UAS  
Landing on USS Nashville.*

## **SYMPOSIUM SPEAKER PACKAGE - FREE TO EXHIBITORS**

**10-11 MARCH 2009**

The Unmanned Airborne Vehicles & Integrated Systems Symposium will be held over two half-days in two separate venues each accommodating up to 80 people, and providing:

- 30 Minute Presentation Slot
- Electronic Visual & Audio Equipment
- Rapporteur
- Company Speaker & Topic Listing in Promotional Program



*MALAT Heron UAV - ACS Maritime Trials off Weipa*

## **PAVILION EXHIBITOR PACKAGE - AUD\$4,500**

**10-15 MARCH 2009**

The open-plan Unmanned Airborne Vehicles & Integrated Systems Pavilion is a focal point and will comprise of individual exhibitor display units with counter and wall space for each company, and include:

- 1 x High Counter & Lockable Cupboards
- 2 x Stools
- 4 sqm Exhibit Area
- 1 x multi-tiered Brochure Stand
- 1 x Power Outlet and Lighting
- Company Name & Logo Signage
- Daily Cleaning
- 2 x Exhibitor Passes
- Exhibitor Listing in Trade Directory

*(Additional furnishings are not included and will be at the exhibitor's expense)*



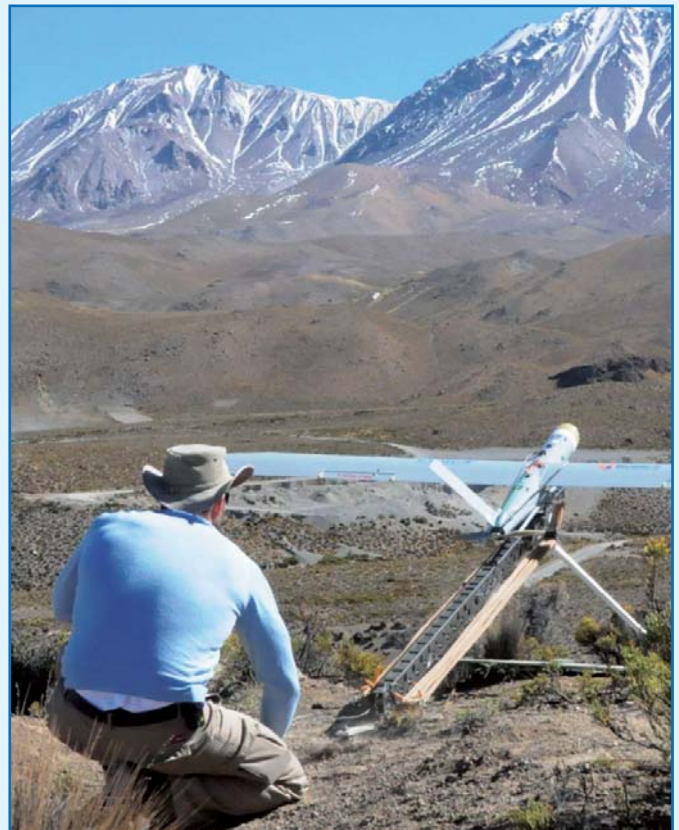
*Rafael Advanced Defence Systems RecceLite*

## **SPONSORSHIP - AUD\$2,000**

**10-15 MARCH 2009**

Take the opportunity for your company to gain more exposure by sponsoring the Unmanned Airborne Vehicles & Integrated Systems Symposium and Pavilion and have your logo displayed on all subsequent Symposium and Pavilion signage, promotional material and programs.

Sponsorship is only available to **AVALON2009** exhibitors.



*SkyLite B Mini Tactical UAS - Chilean Army Andes operations at 14,500-36,000ft*

# UNMANNED AIRBORNE VEHICLES & INTEGRATED SYSTEMS SYMPOSIUM & PAVILION

Interested exhibitors at **AVALON2009** are invited to submit abstracts of papers to be considered for presentation at the Unmanned Airborne Vehicles & Integrated Systems Symposium to be held during the 2009 Australian International Aerospace & Defence Exposition at Avalon on the mornings of Tuesday 10 and Wednesday 11 March 2009. The Symposium will allow exhibitors at **AVALON2009** from the commercial, government and academic sectors to present the latest developments and capabilities of both UAVs, sensors and airborne systems used for the purpose of Intelligence, Surveillance and Reconnaissance (ISR) activities of both manned and unmanned aircraft, as well as in ground applications, including (but not limited to):-

- Advanced C2I & C4I
- R&D and advances in products, materials, autonomy, systems engineering, networked systems, etc
- Emerging sensor technologies, eg: Quantitative Phase Imaging; High Resolution EO/IR; Low Light Cameras; Xenon Lamps; Hyperspectral Images; Gas Spectrometers; SAR; Gradiometers; Image Processing & Exploitation; 3D Modelling; Situational Awareness; Sensor to Shooter Targeting; Motion Detection & Tracking; UAV Digital Communications & Endurance; etc.
- Information & image processing and dissemination
- International standards and regulations for the safe operation of UAVs within non-segregated airspace and frequency bandwidths.
- Resolution and GPS accuracy
- Situational awareness and separation technologies
- Common interface and control stations for various systems operating either individually or in an interoperable/networked environment
- Military and civil operational deployments and experiences
- Motion detection and target tracking technologies
- Change detection
- MCM (Mine Countermeasure), IED, gas, wires, motors and tunnel detection
- Affordable and sustainable systems' capabilities with minimal footprint & operating personnel
- Education & Training

## Abstract Submission Process

- Abstracts must be submitted via email to: [dmitchell@amda.com.au](mailto:dmitchell@amda.com.au)
- Abstracts of the proposed papers are to be approximately 150 words in length
- The abstract should include an overview of the presenting organisation and a summary of the main issues and conclusions of the paper, which will assist in the selection of papers most relevant to the theme of the Unmanned Airborne Vehicles & Integrated Systems Symposium
- Time allocations for papers will be 30 minutes including questions and answers
- Abstract submission deadline is Friday COB 15 January 2009
- Selection notification will be made by 30 January 2009
- Symposium program will be released in February 2009



Front page photo: Selex Galileo FALCO Medium Altitude Endurance Tactical UAS      Advanced Ceramics Research Silver Fox UAV on HumVee

For more information on **AVALON2009** Unmanned Airborne Vehicles & Integrated Systems Symposium and Pavilion contact:

**David Mitchell**      M: +61 408 653 439      E: [dmitchell@amda.com.au](mailto:dmitchell@amda.com.au)      or  
**Robert Wouda**      P: +61 3 5282 0538      E: [bwouda@amda.com.au](mailto:bwouda@amda.com.au)