

# PACSEFC 2010

## AUTONOMOUS MARITIME SURVEILLANCE SYSTEMS SYMPOSIUM & SHOWCASE



This Symposium will present Technologies capable of supporting Australia's challenge in securing its islands, territories and oceans, which comprise a total area of 21,960,092 km<sup>2</sup>, with coastlines and estuaries exceeding 73,926km in length.

With a population of just 21 million people and as few as 2 people per square kilometre (with 90% of the population being along the east and south east coastlines of the continent), the vast majority of Australia's western and northern coastlines are extremely vulnerable to incursions as a result of regional conflict, natural disasters, and global economic instability.

In response, the Australian and regional Governments are investing in the operational evaluation, trialling and acquisition of the latest Autonomous Maritime Surveillance Systems and Technologies - not only for defence purposes - but also for broad area surveillance and critical coastal security.

Key objectives are to reduce actual and potential illegal immigration, the trafficking of drugs, weapons and illicit substances, illegal fishing, infrastructure security, as well as law enforcement, disaster recovery, oceanographical, geophysical, meteorological and environmental monitoring.

From a national security perspective, the Australian Government's new Defence White Paper and Defence Capability Plan, both identify maritime and airborne stand-off ISR and unmanned systems capabilities as priority requirements.

The Defence White Paper stated, "As a result of these priorities, the ADF of 2030 will need to be a more potent force in

certain areas, particularly undersea warfare & anti-submarine warfare (ASW), surface maritime warfare (including air defence at sea), air superiority, strategic strike, special forces, Intelligence Surveillance & Reconnaissance (ISR), and cyber warfare. It is the Government's judgement that these are the crucial areas which require particular attention to secure our unique strategic interests."

In response - and with the view to providing exhibitors with the opportunity to promote and create awareness of relevant technologies, products and capabilities - Maritime Australia Limited has organised an Autonomous Maritime Surveillance Systems Symposium & Showcase at **PACIFIC2010**.

THURSDAY 28 & FRIDAY 29 JANUARY 2010  
SYDNEY CONVENTION & EXHIBITION CENTRE, AUSTRALIA

# AUTONOMOUS MARITIME SURVEILLANCE SYSTEMS SYMPOSIUM & SHOWCASE

This informative international Symposium and associated Showcase will highlight the latest technology in maritime intelligence surveillance, reconnaissance and operational response. It will also feature the application of autonomous active and passive surveillance systems, complemented by unmanned vehicle systems for the protection of port, littoral coastline and off-shore assets, as well as maritime and coastal surveillance, monitoring and remote sensing.

The Symposium and Showcase will be a focal point at **PACIFIC2010** and will provide participants with an opportunity to examine the development and application of autonomous surveillance technology systems equipment and capabilities.

## WHY PARTICIPATE IN THE AMSS SYMPOSIUM?

- The Symposium is relevant to the Australian Government's 2009 Defence White Paper and 2009-2014 Defence Capability Plan
- The Symposium complements the Royal Australian Navy's Sea Power Conference and the strategic policy focussed Maritime Security Conference, all of which will be included in the program of participating senior Government and Defence leaders
- Attendance at the Symposium is free to **PACIFIC2010** delegates
- No participation fee is payable by presenters at the Symposium who are **PACIFIC2010** 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, industry professionals and trade delegates

- The Autonomous Maritime Surveillance Systems Symposium is an official event at the **PACIFIC2010** International Maritime Exposition, presented by Maritime Australia Limited and supported by the Royal Australian Navy

## WHY EXHIBIT IN THE AMSS SHOWCASE?

- A focal point at the **PACIFIC2010** International Maritime 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 Autonomous Maritime Surveillance Systems Industry Showcase is presented and supported by Maritime Australia Limited



An international keynote speaker at the Symposium will be: *Mr Tony Brescia, Chief Engineer Acoustic Systems Division, Naval Air Warfare Center, Aircraft Division, US Naval Air Systems Command (NAVAIR)*



# SYMPOSIUM PACKAGES

## SYMPOSIUM SPEAKER PACKAGE FREE TO EXHIBITORS 28-29 JANUARY 2010

The Autonomous Maritime Surveillance Systems Symposium will be held over two days in the main *PACIFIC2010* exhibition venue accommodating up to 80 people, and providing:

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

## SHOWCASE EXHIBITOR PACKAGE AU\$3,500 & \$2,500 FOR FIRST TIME AUSTRALIAN SME EXHIBITORS 27-29 JANUARY 2010

The open-plan Autonomous Maritime Surveillance Systems Showcase is a focal point and will comprise 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)

**Download form:** <http://www.pacific2010.com.au/showcase/enews/msas.html>

## SPONSORSHIP PACKAGE AU\$5,000 27-29 JANUARY 2009

Gain more exposure by being the exclusive sponsor of the Autonomous Maritime Surveillance Systems Symposium through:

- Symposium Room Signage
- Logo and Hyperlink on *PACIFIC2010* Website
- Logo on Sponsor's Boards located throughout the Exposition
- Acknowledgement in Trade Directory
- Logo in the official Symposium program
- Sponsor's pull-up banners in symposium room
- Sponsor's Marketing Material displayed in symposium room
- Five reserved seats at the Symposium

Sponsorship is only available to *PACIFIC2010* exhibitors.  
Please contact David Mitchell, Mob: +61 408 653 439  
Email: [dmitchell@amda.com.au](mailto:dmitchell@amda.com.au)



# CALL FOR ABSTRACTS OF SYMPOSIUM PAPERS

INTERESTED EXHIBITORS AT PACIFIC 2010 ARE INVITED TO SUBMIT ABSTRACTS OF PAPERS TO BE CONSIDERED FOR PRESENTATION AT THE AUTONOMOUS MARITIME SURVEILLANCE SYSTEMS SYMPOSIUM TO BE HELD DURING THE PACIFIC 2010 INTERNATIONAL MARITIME EXPOSITION ON THURSDAY 28 AND FRIDAY 29 JANUARY 2010.

The Symposium will allow exhibitors at **PACIFIC2010** from the commercial, government and academic sectors to present the latest developments and application of autonomous maritime surveillance technology systems and equipment including, but not limited to:

- R&D and technology advances
- Active and passive surveillance systems
- Emerging sensor and software technologies:
  - High Resolution EO/IR
  - Synthetic Aperture Radar (SAR)
  - Ladar
  - Surveillance Buoys
  - Underwater surveillance systems
  - Motion detection & target tracking
  - Change detection
  - Low Light Cameras
  - Xenon Lamps
  - Hyperspectral Imagers
  - Gas Spectrometers
  - Quantitative Phase Imaging
  - Hyperspectral/Multispectral imagers
  - Gas spectrometers
  - Gradiometers
  - Back Scatter surveillance

- 3D Modelling
- Situational Awareness
- Sensor to Shooter Targeting
- Biometric facial recognition
- Iris recognition
- Unmanned Vehicle Systems - UAV, UUV, USV, UGV
- MCM (Mine Countermeasure), IED, wires, gas, liquids, motors and tunnel detection
- Image processing, enhancement and exploitation
- Advanced C2I & C4I
- Data fusion and information dissemination systems
- Resolution and GPS accuracy
- Situational awareness and separation technologies
- 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 Autonomous Maritime Surveillance Systems Symposium
- Time allocations for papers will be 30 minutes including questions and answers
- Abstract submission deadline is COB 30/10/09
- Selection notification will be made by 13/11/09
- Symposium program will be released by 18/12/09



For more information on the **PACIFIC2010**  
Autonomous Maritime Surveillance Systems Symposium & Showcase contact:

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