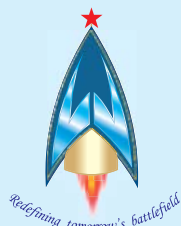




**ICAUV 2012**

**INTERNATIONAL CONFERENCE  
ON AUTONOMOUS UNMANNED VEHICLES**

24<sup>th</sup> and 25<sup>th</sup> February 2012



Organized by

**AERONAUTICAL DEVELOPMENT ESTABLISHMENT**  
Defence Research and Development Organization  
Ministry of Defence, Govt. of India, Bangalore – 560075

Venue  
**THE EAGLETON – GOLF RESORT**  
Bangalore



## Objectives of the Conference

India recognizes the force multiplier effect of UNmanned Systems (UNS) and the important role they are expected to play in Defence, Security and Civil applications. Projected potential requirements from the armed forces of the country, coupled with significant longstanding commitment to R&D, are key factors behind such appreciation of UNS role. The Second edition of the International Conference on Autonomous Unmanned Vehicles is fully focused on UNS and aims to bring together Indian and International Community for joint deliberations on UNS advances in the backdrop of global initiatives on the technology. The purpose of the conference is thus to

- ❖ Provide a platform to share operational experiences gained and lessons learnt by the major military powers currently deploying UNS.
- ❖ Create opportunities for alliances between India and International entities to gain access to the state of art technologies.
- ❖ Highlight International activities related to UNS certification and air traffic management and the necessity for India to participate in these activities.
- ❖ Bring the share of opportunities in the widely projected growth market of UNS to the attention of nascent Indian Industries.
- ❖ Highlight and promote ADE capabilities on UNS with a view to further interact with International partners.
- ❖ Emphasize ADE's leadership on UNS technology in the Asia Pacific region.
- ❖ Provide exposure to UNS systems technologies their applications, issues and future directions.

## Topics of the Conference

- ❖ All talks would be by **invitation** only. The invited speakers will be chosen amongst practicing engineers / scientists from the academia, R & D, industry & users.
- ❖ **Plenary Sessions:** Current and future trends in UNS & Certification issues.
- ❖ **Technical Sessions:** UNS technologies (Aerodynamics, Structures, Controls, Propulsion and Systems), UNS Operational experiences and lessons learnt, Standards and Airworthiness, UNS Program updates, new products and emerging technologies and ongoing R&D activities.

## Who should participate

- ❖ Professionals - Scientists / Engineers from R&D organizations, Defence Establishments, PSUs, Armed Forces and research laboratories.
- ❖ Academic fields - Researchers, Professors and Students.
- ❖ Entrepreneurs, Engineers, Managers from heavy and small scale industries and UNS solution providers.

## Technology Exposition

In addition to the technical sessions, there will be an exposition by various International / Indian manufacturers of UNS related products / technologies.

## Organizers

Aeronautical Development Establishment (ADE) is an ISO 9001:2008 certified laboratory under the aegis of Defence Research and Development Organization. Its mission is to design and develop aeronautical systems to meet the current and future needs of the services and progressively enhance the technological infrastructure and capabilities. The vision of ADE is to be a centre for development of state-of-the-art aeronautical systems for the Armed Forces. The major thrust areas are in Design and Development of Unmanned Aerial Vehicles, Design and Development of Systems for combat Aircraft, Flight Simulation, Air Weapon Integration and Flight R & D. The core competence of ADE are System Design, Aerodynamic Configuration, Structural Design including Composites, Flight Controls and Avionics, Propulsion and System Integration, Airborne Sensor Stabilization, Aerial Image Exploitation, Flight Testing and Evaluation, Fly-by-Wire Flight Control Systems, Cockpit Display, Air Weapons Integration, Pilot Training simulators and Simulation to support Aircraft Design and Aeronautical Research.

## ICAUV 2009 Statistics

ICAUV 2009 was organized as a part of Golden Jubilee Celebrations of ADE during 03-04 April 2009 at Eagleton Golf Resort, Bangalore, India in joint collaboration with UVS International, Paris. This event was a success story and a trend setter in organizing International Conferences in India. It was India's premier, first and foremost Residential International Conference which was represented by 34 reputed international speakers and attended by more than 500 delegates from 11 countries. The conference was spread over two days and the theme included a gamut of technologies covering the entire spectrum of UAV technologies right from aerodynamics, structures, controls, propulsion systems and certification. ICAUV 2009 was well supported and patronized by 14 sponsors ranging from Platinum to Bronze Sponsorship and 32 exhibitors. Many speakers and delegates have acknowledged the international standards in the organisation and content of the conference.

## Registration Fee

₹ 11000 for private organization

₹ 9000 for government organizations / public sectors / academics

₹ 4000 for students

### The registration fee includes the following:

- (i) Conference & Exhibition entries for two days
- (ii) Breakfast, lunch and refreshments
- (iii) Registration kit with conference proceedings (CD)
- (iv) Shared accommodation for two days (upto Scientist 'G' / Equivalent - Double occupancy ; Upto Scientist E/Equivalent - Triple occupancy)\*

Only online registration will be accepted. After completing the online registration, fee in the form of a cheque / draft drawn in favour of "ICAUV 2012" payable at Bangalore, may be sent, **on or before 28<sup>th</sup> Dec 2011**, to the contact address as given below.

### **The Conference Secretariat, ICAUV 2012 Aeronautical Development Establishment (ADE)**

New Thippasandra Post, Bangalore -560 075

Phone : +91-80-25057242/7278 / 7714, Fax : 080-25057689 / 25283188

E-mail: [icauv2012@icauv.org](mailto:icauv2012@icauv.org) Web : [www.icauv2012.org](http://www.icauv2012.org)

The total number of delegates is restricted to 350 and the registration will be done on first come first serve basis.

\* Applicable for outstation delegates only. Free shared transport from designated locations will be arranged for bangalore based delegates.

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Director General, DRDO

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