



Technical Aerospace and Unmanned Systems Conference 2007

This conference addresses the need for a truly in-depth and international technical discussion forum on Aerospace and Unmanned Systems within the South African context, free of dedicated marketing

In 2004 and 2005 more than 230 professionals from the armed forces, industry and academia attended the Workshops on Maritime Surveillance at Stellenbosch University. This conference now serves as a natural extension of the original workshop, with even more focus on technical depth and with an extended scope.



Anchor Sponsor



The presenters are carefully selected professionals who will provide insight into the latest advances in the areas detailed below:

Operations and Applications
Sensor Systems
Structures, Aerodynamics and Aeroelastics
Guidance, Control and Simulation
Vehicle Development and Propulsion Systems
Systems and Software Safety

Date: 29 - 31 October
Venue: Neethlingshof
Stellenbosch
South Africa

Over 230 professionals
attended the
conference in 2004/5

BOOK NOW!

Technical Aerospace and Unmanned Systems Conference 2007



Who should attend

- Technology managers & acquisition experts (users and developers)
- Research and development scientists and engineers
- Academics and representatives from research and development funding agencies



International Participants

A number of researchers and R&T managers from international organizations and various Universities will be attending and presenting



Benefits

Attendees will have the opportunity to exchange technical information and ideas on future requirements, technologies and solutions both on a formal and informal basis



The scope

The conference includes aerospace, surface underwater and unmanned vehicle

On two occasions presentations will be divided into two parallel streams in order to allow attendees to attend the stream most suited to their expertise and area of interest



Speakers

- Ian Robertson, Tellumat
- Dr. Bennie Broughton
- Mr. IMT, Hannes van Wyk
- Iain Peddle
- Dr. Karen Marais
- John Wesley



Rate per person
R1000 for all AMD members,
students and armed forces
individuals

R1500 for all others (national
non-AMD members and all
international)

Technical Aerospace and Unmanned Systems Conference 2007

Technical Aerospace and Unmanned Systems Conference Programme

29 October 2007 - Monday

09h30	Arrival and registration	
10h15	Opening and Welcome	
10h30	Plenary: General area	
12h00	Lunch	
13h00	Operations and Applications - Chaired by - Mr S. Hamilton	
14h30	Networking Tea and Coffee Break	
15h00	STREAM A - Chaired by TBC	STREAM B - Chaired by TBC
16h30	Sensors Systems	Structures, Aerodynamics and Aero elastics
17h30	Cocktail Function	

Technical Aerospace and Unmanned System Conference Programme

30 October 2007—Tuesday

08h30	Arrival and Registration	
09h00	Administration	
09h15	Guidance, Control and Simulation - Chaired by TBC	
12h00	Lunch	
13h00	STREAM A - Chaired by TBC	STREAM B - Chaired by TBC
14h00	Vehicle Development and Propulsion Systems	Systems and Software Safety
15h00	Networking Tea and Coffee Break	
15h30	Conference Summary and Closure	
17h00	Wine Farm excursion (Optional)	

Technical Aerospace and Unmanned System Conference Programme

31 October 2007 - Wednesday (ADDITIONAL DAY SEE REGISTRATION FORM)

Graduate students throughout South Africa are invited to perform a 15 minute presentation on their research topics associated with the conference theme and technical topics. A panel of National and International experts will judge the presentations according to measures such as the research approach followed, the technical value and quality of the research and the quality of the presentation.

09h00 -11h00	Student presentation slot 1
10h40 -11h00	Tea break
11h00 - 12h30	Student presentation slot 2
12h30 - 13h30	Lunch
13h30 - 14h50	Student presentation slot 3
14h50 - 15h15	Tea break
15h15	Announcement of winner of "TAUSC 2007 Best Student Researcher" award
15h30	Closing remarks



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Operations and Applications

The operational environment ranging from

- Maritime surveillance
- Peace keeping
- Noise abatement
- Airworthiness
- Maintenance
- Mine sweeping

Sensor and Communication Systems

The latest sensor technologies including transducers, processing and information fusion systems related to Radar, Optronics and Acoustics

Systems and Software Safety

Presentations covering the latest systems engineering techniques applied to ever-increasing system complexity and their associated safety requirements

Special attention will be given to software safety

Structures, Aerodynamics and Aeroelastics

A wide array of topics applicable to structural, aerodynamic and aeroelastic qualities and behaviour including:

- Composite materials technologies
- Experimental
- Computational Aerodynamics
- The dynamics resulting from interaction between structures and forces

Guidance, Control and Simulation

State of the art computational simulators, hardware-in-the-loop simulators and vehicle control systems technologies and their role in

- Design and development
- Certification
- Operational and systems engineering activities
- Automation of onboard diagnosis systems

Vehicle Development and Propulsion

Local and international research vehicles under development, including aircraft, underwater vehicles, unmanned aerial vehicles and their propulsion systems



Technical Aerospace and Unmanned Systems Conference 2007 Booking Form

PERSONAL DETAILS

Full Name:			
Rank/Title:		Initials:	
Position:			
Company/Organisation:			
Address:	City:		
	Country:		
	Postal Code:		
Business Phone:		Business Fax:	
E-mail Address:			

REGISTRATION DETAILS : Costs are inclusive of VAT (vat reg: 4150149716)

	COST	TOTAL DUE
Conference (national non-AMD members and all international)	R 1,500.00	
Conference (all AMD members, students and armed forces individuals)	R 1,000.00	
Wine Farm Excursion at the end of the day (Optional—30 October 2007)	R 500.00	
Attendance of Student Day (31 October 2007)	R 400.00	
TOTAL DUE:		

PAYMENT DETAILS

Bank transfers must state company name and delegate name.

Transfer should be made to **Nedbank**

Account name: Airasa (t/a AMD) **Account No.:** 1686035926 **current account**

PLEASE FILL HERE FOR ADDITIONAL DELEGATE(S)

Rank/Title/Mr/ Ms/Mrs	
First Name	
Last Name	
Designation	

AUTHORISATION

I hereby authorise expenditure for the delegate's registered on this form. I have read the terms of cancellation and I am authorised to sign on behalf of my organisation.

Name:.....

Designation:.....

Signature:.....

Email:

Right of admission reserved by AMD

CANCELLATION POLICY

All cancellations must be submitted in writing.
 A 10% handling fee will be charged for cancellations prior to 30 September 2007
 The full fee will be payable for cancellations after 15 October 2007 .
BOOK YOUR SEAT TODAY: Fax completed registration form and proof of payment to **+27 12 347 6406/6350**