

DEFENCE TECHNOLOGY ASIA 2006 INTERNATIONAL CONFERENCES & EXHIBITION

SHANGRI-LA HOTEL, SINGAPORE

24TH & 25TH MAY 2006

Unmanned Vehicles Technologies (UV Tech) – Naval Applications Seminar

This seminar provided a unique platform to explore research & development opportunities and technical advances for autonomous and semi-autonomous vehicle systems. It examined the technology requirements and operational capabilities of robotic vehicle programs for military and ocean research and monitoring, and ocean commercial and exploration applications.

The seminar brought together customers, users, developers, and technologists to discuss operational advances, requirements, challenges, and approaches for advanced robotic and remotely operated vehicles.

It attempted to balance both, applications and algorithm and hardware technologies, system designs and implementations.

UV Tech also addressed the requirements and perspectives of UV Tech designers & builders and the end-users.

The theme for this seminar was “**Challenges in The Littoral Environment**”.

Papers were solicited in the following broad areas:

- Anti Submarine Warfare
- Mine Warfare
- Force Protection
- Maritime Protection

The papers encompassed the subject matters below.

- ✓ Networked vehicle
- ✓ Intelligent vehicle systems
- ✓ Man/machine interface
- ✓ Technical and performance challenges
- ✓ Machine perception
- ✓ Vehicle mobility and motion control
- ✓ Sensor configurations for mobility and perception
- ✓ Sensor fusion and integration
- ✓ Mobility platforms
- ✓ Commercial and civilian UVs
- ✓ System performance modelling and simulation
- ✓ Operator interface and human robot interactions
- ✓ Payloads and mission execution
- ✓ Path planning and navigation

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WHO ATTENDED

- Leading organisations in the Defence Industry
- Defence Technologists from Ministry of Defence
- Senior Defence Technologists from Europe, US and Asia

WHY THEY EXHIBITED

- Participants of DTA 2006 expressed that they attended because their Organisation was interested in:
- Presenting specialised topics of interest to Defence Technologists and End-users planning new equipment acquisitions and formulating operational doctrines
- Presenting the unique selling points of the underlying technologies used in their latest product developments
- Having the possibility of a face-to-face dialogue with the key decision makers in the important Asian defence market, during the formal sessions and informal evening events.

Participants

ADJ

Advanced Ceramics Research
AUVSI
DCN
Defence Science & Technology Agency
DSO National Laboratories
Dua Consulting Private Limited
ECA
Eurotorp
FMV
Galileo Avionica
Germanischer Lloyd
Indal Technologies
Computing
IXSEA
JANE'S
Jurong SML Pte Ltd
Kockums
Kongsberg

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Royal Thai Air Force
Royal Thai Navy
SAAB
SAFT
Sea and Land Technologies
SOFEMA
Sonardyne
Singapore Police Force
Singapore Technologies Electronics
ST Training & Stimulation Pte Ltd
Thales
UDT
Ultra Electronics
United States Navy
Whitehead Alenia Sistemi Subacquei