



# The Australasian Hydrographic Society and The Society for Underwater Technology

Present their 2nd Joint Technical Seminar & Exhibition



## AUVs Emerging Technologies

Thursday 26th October 2006

Hotel Ibis Perth (Ruby Room), 334 Murray Street, Perth

The superb seafloor mapping results that are currently being obtained in the use of AUV's for conducting sub-sea sonar surveys for oil & gas developments as well as in many other survey applications, continues to provide the most stunning seabed imagery and information. The interest in the use of Autonomous Underwater Vehicle technology for providing a versatile and cost effective survey vehicle is growing day by day. The Australasian Branch of the SUT in conjunction with the Australasian Hydrographic Society invites you to take part in its second one-day AUV seminar. Do not miss this important networking opportunity to meet with industry leaders in this innovative sector of sub-sea developments. If you are a pipeline engineer, an oil & gas field development specialist, a hydrographic surveyor, geophysicist, geotechnical engineer, survey operations manager or an innovative thinker then do not miss this milestone event.

### PROGRAMME

09.00 Registration, Tea/Coffee and Exhibition

09.30 Welcoming Address by Martyn Witton, on behalf of the SUT & AHS

09.40 Guest speaker, Paul Hornsby, AHS

SESSION 1 - AUVs Emerging Technologies

Chairman - Andy Lane, Woodside Energy Ltd.

10.00 Endurance, Navigation, Control: Emerging technologies for the Autosub programme 2006 – 2012

Prof. Gwyn Griffiths, National Oceanography Centre, Southampton, UK

10.30 The latest development on the HUGIN programme including Synthetic Aperture Sonar for the HUGIN 1000-MR AUV

Roar Marthinussen, Kongsberg Maritime, Norway

11.00 Tea/Coffee

11.20 Starbug, a new robotic AUV for shallow water environmental monitoring

Mathew Dunbabin, CSIRO

SESSION 2 – Surveying the Frontier, AUV Operations and Data

Chairman – Prof. Gwyn Griffiths

11.50 Echo Mapper – Full Capability Seabed Mapping from Easily Mobilised AUV

J. Grant Blackinton & Donald M. Hussong, Fugro Seafloor Surveys Inc., Seattle

12.20 Challenges in AUV survey – flexible solutions

Jan Arvid Ingulfsen, Geoconsult

12.50 LUNCH & Exhibition

SESSION 2 (Cont.) – Surveying the Frontier, AUV Operations and Data

Chairman – Prof. Gwyn Griffiths

13.50 Understanding continental slopes – Woodsides's recent AUV experiences

Greg Paten, Woodside Energy Ltd.

14.20 Delivering complex geohazard reports on time (AUV data interpretation and reporting)

Gareth Wood & Richard Salisbury, Fugro Survey Limited, Aberdeen, UK

14.50 Tea/Coffee

SESSION 3 – AUV Technology beyond Oil & Gas

Chairman – Prof. John Penrose, Centre for Marine Science & Tech. Curtin University

15.10 Australian Defence Force Requirements for Unmanned Underwater Vehicles

Peter Johnson, RAN

15.40 AUV/ROV deepwater mineral exploration requirements

John Freenan, Neptune Minerals

16.10 Panel Discussion – AUV's – Keeping pace with Industry, Military and Research drivers

16.50 Closing remarks by Bill Russell-Cargill, on behalf of the AHS & SUT

17.00 Drinks and Exhibition

Exhibitors



Pictures courtesy of  
Geo Subsea & SUT

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WOODSIDE

Drinks Sponsor



KONGSBERG

If you would like to exhibit at this event, please contact Joyce Bremner on [j.bremner@sut.org](mailto:j.bremner@sut.org)

Attendance for this event is by pre-registration only (places are limited) Please see over for registration form.

# Registration Information

To register, either e-mail the information required on the registration form to [J.Bremner@sut.org](mailto:J.Bremner@sut.org) or fax the completed form to Joyce Bremner on 00 61 (8) 9204 3826

## Registration Fees

AHS & SUT Members \$150 each.

Discounted rate for multiple registrations - 3 or more registrations received from the same company at the same time \$125 each.

Students/Retired Members \$80 each.

Non Member \$200 each.

Fee includes lunch, tea/coffee, end of day drinks and a CD of the main presentations.

## Preferred Payment Methods:

**Credit Card:** Mastercard or Visa ONLY. We cannot accept payment by any other card.

**Cheque:** Australian Dollar only, made payable to The Society for Underwater Technology  
Send to, PO Box 7539, Cloisters Square, Perth, WA, 6850

Please make sure you reserve a place by e-mail or fax before posting your cheque.

## Joining Instructions

Joining instructions will be e-mailed to each registered delegate.

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## Registration Form

Please e-mail details to [J.Bremner@sut.org](mailto:J.Bremner@sut.org) or fax the completed form to (08) 92043826

AHS/SUT Member No. \_\_\_\_\_

Please tick to indicate your preferred payment method:

Credit Card \_\_\_\_\_ (Visa or MasterCard) Cheque \_\_\_\_\_ Invoice (PO No.) \_\_\_\_\_

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