



# The Australasian Hydrographic Society and The Society for Underwater Technology

Present their 4<sup>th</sup> Joint Technical Seminar & Exhibition



## AUVs

### Future Technologies & Emerging Markets

Thursday 30<sup>th</sup> October 2008

Parmelia Hilton (Swan Room), 14 Mill Street, Perth, Australia

The global investment in AUVs continues to increase as the technology is further embraced by the oil and gas, environmental, security and defence sectors. This forth one-day AUV seminar and associated exhibition organised by the Society for Underwater Technology and the Australasian Hydrographic Society will again be an important milestone event to hear the latest developments on autonomous underwater vehicles. World leaders in the fields of manufacture, survey operations and data analysis will be presenting the latest technology and recent experiences in AUV operations. 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 do not miss this important networking opportunity to meet with industry leaders in this innovative sector of sub-sea developments.

### PROGRAMME

#### Wednesday 29<sup>th</sup> October 2008

**Ice Breaker** 19.00hrs – 21.00, Belgian Beer Café, Hoegaarden Courtyard Bar

#### Thursday 30<sup>th</sup> October 2008

**09.00 Registration, Tea/Coffee and Exhibition** – Thursday 30<sup>th</sup> October

**09.30 Welcoming Address by Andy Lane**, on behalf of the Australasian Perth Branch, SUT

**09.40 Guest speaker TBA**

#### SESSION 1 – Manufacturers Perspective

*Chairman – Ian Hobbs, Manager – Geophysics, Fugro Survey Pty Ltd.*

**10.00 The Oceans Transparent: A Review of the State of Autonomous Undersea Vehicle Tech.**  
Rand D. LeBouvier, CAPT, USN (ret), Bluefin Robotics Corporation

**10.35 HUGIN AUV – An update on system, payload and technology advancements.**  
Roar Marthiniussen, Kongsberg Maritime AS

**11.10 Tea/Coffee**

**11.30 Merging technology, creating the SAROV, a hybrid AUV/ROV**  
Bert Johansson, SAAB

#### SESSION 2 – AUV Experience

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

**12.05 Echo Mapper begins full commercial operations.**  
Mark Quenneville, Fugro Seafloor Surveys Inc.

**12.40 Seaglider coastal ocean measurements for the Southern Desalination Plant, WA**  
Raymond Steedman, GHG

**13.00 LUNCH & Exhibition**

#### SESSION 2 (Cont.) – AUV Experience

**14.00 Autonomous Underwater Vehicles in the Royal Australian Navy**  
Andrew McCrindell, Australian Hydrographic Office – R.A.N.

**14.35 High resolution AUV based geophysical survey techniques for marine mining, dredging and construction support.**  
Paul Nicholson, DeBeers Marine GeoSurvey

#### SESSION 3 – Sensors & Systems

*Chairman – Bill Russell-Cargill, DOF Subsea*

**15.10 High Resolution Optical Surveying using an AUV**  
Stefan Williams, University of Sydney

**15.40 Tea/Coffee**

**16.00 Integration and Analysis of Multi-Sensor AUV Data in a 3D Visualisation Environment.**  
Douglas Bergersen, Acoustic Imaging Pty Ltd.

**16.25 Commercial AUV surveys for deepwater oil and gas developments**  
Gavin Douglas, Fugro Geo Consulting Limited

**16.50 Closing remarks by Alec Millett**, Chairman, West Australian Region, AHS

**17.00 Networking over Drinks and canapé's in the Exhibition area.**

SUT reserves the right to change/amend the programme as it sees fit.

Should you require further information on this event then please contact Joyce Bremner,  
[j.bremner@sut.org](mailto:j.bremner@sut.org) Registration form for attendance on back page.

Principle Sponsor



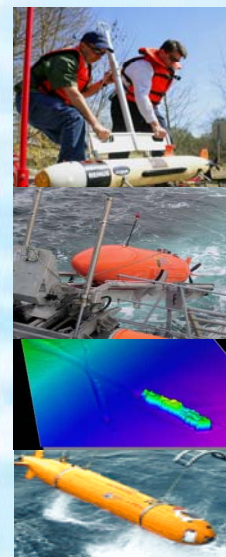
Ice Breaker Sponsor



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KONGSBERG



Pictures courtesy of  
Fugro Survey Pty Ltd,  
DOF Subsea & SUT

Exhibitors



DBM GEOSURVEY



# Registration Information

To register, either e-mail the information required on the registration form to [perthevents@sut.org](mailto:perthevents@sut.org) or fax the completed form to + 61 (8) 9446 9905

## Registration Fees

AHS & SUT Members - Seminar only - \$165.00 Inc. GST

AHS & SUT Members - Ice Breaker & Seminar - \$203.50 Inc. GST

Students/Retired Members – Seminar only \$88.00 Inc. GST

Students/Retired Members – Ice Breaker & Seminar \$126.50 Inc. GST

Non Member – Seminar only - \$220.00 Inc. GST

Non Member – Ice Breaker & Seminar \$258.50 Inc. GST

**Fee includes** - lunch, tea/coffee, post seminar drinks and a CD of the main presentations.

If you have elected to attend the Ice Breaker – Drinks & Canapés at the Belgian Beer Café on the 29<sup>th</sup> October are also included.

## Preferred Payment Methods:

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

\* Payments made by AMEX will attract a 2.75% surcharge.

**Cheque:** Australian Dollar only, made payable to The Society for Underwater Technology

Send to, PO Box 7284, 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 [Perthevents@sut.org](mailto:Perthevents@sut.org) or fax the completed form to (08) 9446 9905

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

Please tick to indicate your preferred payment method:

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

Please tick appropriate box.

I would like to attend the Seminar only

I would like to attend both the Ice Breaker & Seminar

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone no. \_\_\_\_\_ E-mail address (s) \_\_\_\_\_

Credit Card No: VISA or MASTER CARD ONLY. \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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