

When it's a Question of AUVs...  
...in Asia and Australia...

...Ask Fugro.



### Hugin 1000 - Regional Availability

A third deep-water Hugin vehicle, based in Singapore, joins Fugro's expanding AUV fleet.

The Hugin 1000 is based on the proven Hugin design but incorporates a number of advances, such as :

- greater portability for ease of mobilisation onto vessels throughout the region
- use of Li-Polymer batteries for more efficient operations and greater safety
- improved navigation, communication and sensor systems
- 3000m depth rating

For your next deepwater survey, call Fugro.

[www.fugro.com/survey](http://www.fugro.com/survey)



#### Exhibitors



[www.ahs.asn.au/links.html](http://www.ahs.asn.au/links.html)

[www.sut.org.au](http://www.sut.org.au)



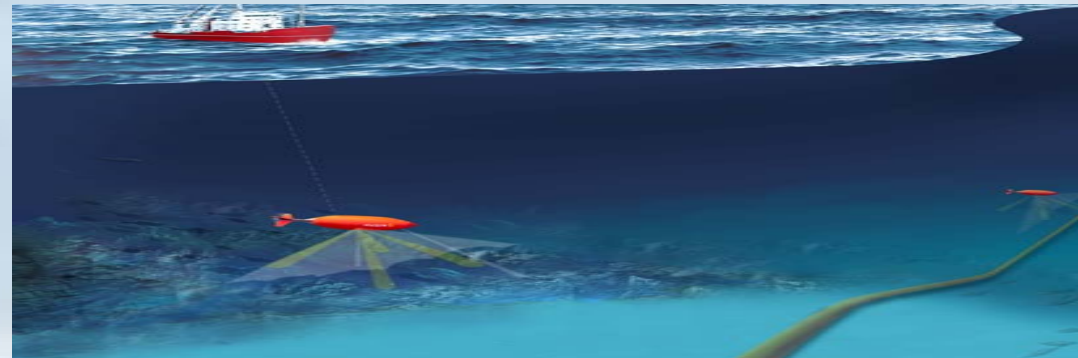
The Australasian Hydrographic Society  
and The Society for Underwater Technology  
Present their 5<sup>th</sup> Joint Technical Seminar & Exhibition



### AUVs Enhanced Acquisition and Intervention Nearshore to Deep Ocean

Thursday 29<sup>th</sup> October 2009

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



The Society for Underwater Technology and the Australasian Hydrographic Society are pleased to present their fifth one-day AUV seminar and exhibition. This event will again be an important milestone at which to hear the latest developments in the field of autonomous underwater vehicles. In the present economic climate, both wisdom and experience are required in use of AUVs, and to steer the associated AUV research and development which continues in the resource, environmental, security and defence sectors.

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, environmental scientist, oceanographer, geophysicist, geotechnical engineer, survey operations manager or an innovative thinker, do not miss this important networking opportunity to meet with industry leaders in what is an innovative sector for sub-sea technology.

#### Principle Sponsors



#### Ice Breaker & Networking Sponsors



# PROGRAMME

**Wednesday 28<sup>th</sup> October 2009**

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

**Thursday 29<sup>th</sup> October 2009**

**08.30 Registration, Tea/Coffee and Exhibition**

**09.00 Welcoming Address by** the Chairman, West Australian Region, AHS

**09.05 Keynote Address, Graeme Tuder, Managing Director, Micromine Pty Ltd.**

**SESSION 1** *Chairman – Prof. John Penrose, Centre for Marine Science & Tech. Curtin University*

**09.25 Oil and Gas Application for a Compact AUV – An Operator's Perspective**  
Peter Wademan, Woodside Energy Ltd.

**09.55 Game Changing Technology - The way forward for AUV's**  
Kelvin Chow, Geophysics Manager, Fugro Survey SEA

**10.25 Tea/Coffee & Exhibition**

**10.45 Autonomous Underwater Vehicle Support for Marine Science Projects around Australia**  
Stefan Williams, Australian Centre for Field Robotics, University of Sydney

**11.15 Hugin 1000 AUV System – A multi operational concept**  
Roar Marthiniussen, Kongsberg Maritime

**11.45 Qualification of AUVs for Subsea Control**  
Kevin Mullen, Supervising Engineering Specialist, INTECSEA

**12.15 Lunch & Exhibition**

**SESSION 2** *Chairman – Jim Leven, Oil & Gas Services, Department of Commerce*

**13.15 The implications of force structure on the roles that AUVs will play in the future Navy**  
A.B. McCrindell CMDR, Head Doctrine & Futures, Australian Hydrographic Office – R.A.N.

**13.45 AUV Communications and Positioning**  
David Riches, Sonardyne International Ltd.

**14.15 SAROV Concept**  
Bert Johansson, Director Business Strategy, Saab Underwater Systems AB

**14.45 Tea/Coffee & Exhibition**

**15.05 DOFsubsea Hugin 3000 AUV: Efficient High Resolution Data Acquisition in Deepwater**  
Andy Bickers, AUV Project Manager, DOFSbusea

**15.35 Autonomous Vehicle Meets New Challenges**  
Dick Martin, VP—Life of Field Services, Subsea 7

**16.05 Rovdrill 3: The Latest Evolution in Seafloor Geotechnical Sampling and Data Acquisition**  
Bruce Lokay, Triton Group Holdings Asia Pacific

**16.35 Closing remarks by** the Perth Branch Chairman, Society for Underwater Technology  
**16.45** Networking over Drinks and canapé's in the Exhibition area.

**18.00 Day End**

## Registration Information

For further information on this event, please contact Joyce Bremner [J.bremner@sut.org](mailto:J.bremner@sut.org) Tel: + 61(8)9446 9903

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 28<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 + 61 (08) 9446 9905

Please tick to indicate your preferred payment method: AHS/SUT Member No. \_\_\_\_\_

Credit Card \_\_\_\_\_ (Visa, MasterCard or AMEX\*) 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 \_\_\_\_\_

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Amount to be charged \$\_\_\_\_\_ Signature \_\_\_\_\_