

# Subsea Gadgets & Widgets

Wednesday 11 March 2009

Bar Opens: 1730 Lecture Start: 1800 Supper: 1945

**\*PLEASE NOTE NEW VENUE\*** Hilton Treetops Hotel, Springfield Road, Aberdeen



Chairperson: Rita Stephen, Development Manager, ACSEF (Aberdeen City and Shire Economic Forum)



**Dr Pei AN, Director, 2H Offshore**  
**Gadgets for Subsea Structural Monitoring**

The gadgets gather real response data from subsea structures that will enable improved operational effectiveness and asset life extension. This talk will show you the technology together with some real-world applications.



**Miller Crockart, Head of Business Development, General Robotics Limited**  
**Subsea Engineering and Operational Simulation & Visualisation Software**

Using accurate simulation and visualisation software will support greater productivity in the subsea sector.



**Roy Smith, M.D., Hytorc Aberdeen Ltd**  
**New Systems & Technology in Underwater Bolting**

Hytorc have developed new underwater bolting methods and equipment that will increase diver safety and can greatly simplify all bolting work associated with ROV operations.



**Graham McIntosh, Principal Engineer – Subsea and Pipelines, icorr Ltd**  
**Subsea Equipment Spares Risk Management Tool**

This new and unique tool provides a robust risk management approach for subsea equipment spares.



KONGSBERG

**Rob Christie, Senior Design Engineer, Kongsberg Maritime Ltd**  
**Latest Advances in Low-Light Navigation Camera and Digital Pan and Tilt Technologies**

The presentation firstly explores the advances in low-light imaging technologies and the advantages of Kongsberg's new low-light cameras compared to past technologies and then how the latest pan & tilt designs enable more accurate movement control and digital integration.



**Donald Thomson, Surveillance Account Manager, Schlumberger Subsea Surveillance**  
**Development of a retrofit non intrusive tree pressure sensor**

The development of a retrofit non intrusive pressure sensor suitable for small bore pipes has provided a solution to failed pressure sensors on subsea trees and other assets.



**Carl Tiltman, Chief Technology Officer, Subsea Asset Location Technologies Ltd**  
**SonarBell™ Underwater Marking System (SUMS)**

SonarBell™ is a passive sonar reflector and allows the user to mark underwater equipment to ease relocation. It can be designed to operate with most sonar systems and has a unique calibration and frequency response.



**Paul Booth, Engineering Manager – Specialist Technical Services, Subsea 7**  
**Subsea Grouted Tee™ - A viable hot tapping alternative to hyperbaric welding**

Paul will give an overview of the features and benefits of Subsea Grouted Tee™, including a summary of its 3 year development history so far and its deepwater, diverless potential.



**Maurice Fraser, Sales and Marketing Director, Tritech International Ltd**  
**Lithium Polymer battery technology for the subsea market**

Lithium Polymer battery cell technology will deliver more punch and operate more efficiently at full ocean depths than traditional subsea battery systems.

## **\*NEW MEMBERS ATTEND FREE - Please see over\***

REGISTRATION FEES: *SUT Members £15.00 Non-Members £25.00\* SUT Student Members: £5.00*  
Please complete and return to: SUT, Innovation Centre, Exploration Drive, Bridge of Don, Aberdeen, AB23 8GX  
Fax: 01224 820236 Email: michele.ross@sut.org Phone: 01224 823637 Online: www.events.sut.org.uk

I will pay by cash  cheque  credit card  We can only invoice for multiple registrations.

Name \_\_\_\_\_ SUT Member No \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Tel No \_\_\_\_\_ Fax No \_\_\_\_\_

Email address \_\_\_\_\_

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

Name on the Card \_\_\_\_\_ Security No: \_\_\_\_\_

Billing Address if not as above \_\_\_\_\_

Amount to be debited £ \_\_\_\_\_ Signature \_\_\_\_\_

# Join the Society for Underwater Technology NOW as a Full Individual Member and you

## Can attend this evening meeting **FREE**

The charge for Full Individual Membership is £70 p.a. and payment in full must accompany this application.

To become a Full Individual Member of SUT, you must either:

- be aged over 21 years, and
- show a professional interest or experience in the field of underwater technology,
- be a graduate of a recognised university or hold a diploma from a recognised engineering institution or a qualification of comparable status in a relevant branch of science or technology

or:

- have held a post of responsibility in the field of underwater technology for not less than three years

**Note:** If you are a staff member of an organisation that is a Corporate Member of the Society you can already enjoy all the advertised discounted member rates for meetings and publications.

PLEASE PRINT APPLICATION FORM IN BLOCK CAPITALS OR TYPE

### Personal details

First name(s): \_\_\_\_\_ Surname: \_\_\_\_\_

Title:  Mr  Mrs  Ms  Dr  Other \_\_\_\_\_ Date of birth:     /     /

Mailing address\*: \_\_\_\_\_

\_\_\_\_\_ Postcode: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Academic/vocational qualifications: \_\_\_\_\_

Current employer: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_ Postcode: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Current position: \_\_\_\_\_ Date of appointment:     /     /

Relevant previous employers (with dates and positions held): \_\_\_\_\_

### Interests

- |   |  |  |  |
|---|--|--|--|
| <input type="checkbox"/> Diving             | <input type="checkbox"/> Underwater vehicles       | <input type="checkbox"/> Offshore structures         | <input type="checkbox"/> Subsea systems                |
| <input type="checkbox"/> Underwater science | <input type="checkbox"/> Underwater robotics       | <input type="checkbox"/> Offshore site investigation | <input type="checkbox"/> Environmental forces          |
| <input type="checkbox"/> Ocean resources    | <input type="checkbox"/> Marine renewable energies | <input type="checkbox"/> Education and training      | <input type="checkbox"/> Other (list) Specialising in: |

### Payment

- I enclose a cheque £\_\_\_\_\_ (allowing for reductions or airmail surcharge) payable to the Society for Underwater Technology
- I wish to pay by Visa/Mastercard/Switch (delete as applicable); please charge to my account

Card number: \_\_\_\_\_ Issue Number (Switch cards only): \_\_\_\_\_/\_\_\_\_\_

Expiry date:    /    /    Start date:    /    /    Security no: \_\_\_\_\_ Cardholder: \_\_\_\_\_

Billing address (if not as above): \_\_\_\_\_

Postcode: \_\_\_\_\_ Date:    /    /    Signed: \_\_\_\_\_

### Statement

I confirm that, to the best of my knowledge, the details given above are correct. I hereby apply for election to/transfer of membership of the Society for Underwater Technology and agree to abide by the Articles of Association of the Society.

Signed: \_\_\_\_\_

Date:    /    /

