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# THE FUTURE OF UK MARINE RENEWABLES

**Wednesday 9<sup>th</sup> November 2005**

*Britannia Hotel, Bucksburn, Aberdeen*

Bar Opens: 17.30 Lectures start: 18.00 Supper 19.30

The last few years have seen a worldwide growth in the offshore renewable energy industry, which is being led by the more established wind sector. The first global grid connected offshore wave and tidal energy projects have also come on stream in the same time. The UK is a leader in wave and tidal technology and will become of greater significance as we enter the next phase of development. Tonight's forum will allow us to hear about some recent advances and prospects for marine energy futures.

Chairman: **Ronnie Bonnar, Talisman**  
**Project Manager for Beatrice Wind Farm**

**Prof Iain Bryden, Robert Gordon University**  
**Overview of Marine Energy Future**

**Ken Stewart, Rotech Subsea Limited**  
**Tidal Turbines**

An update on the company's development of tidal turbines.

**Richard Yemm, Ocean Power Delivery**  
**Pelamis**

**5 Minute Technology Bite**

**Mike Gomez, Sentinel Instruments Limited**

**A Novel Flange Riser Bolt Torque Monitor System**

Incidents involving subsea risers and other load bearing bolted interfaces can be catastrophic. Mike Gomez will present a novel new technology that his company, Sentinel Instruments Ltd, has developed, which allows much more accurate control and verification of bolt tensions.

**FOR THIS MEETING ONLY, AS IT IS FULLY SPONSORED BY AREG, ALL AREG AND SUT MEMBERS ATTEND FREE—HOWEVER, PRE REGISTRATION IS ESSENTIAL**

**\* New members attend FREE - Please see over \***

REGISTRATION FEES: *SUT Members* **£15.00** *Non-Members* **£40.00\*** *SUT Student Members:* **£5.00**

Please complete and return to: SUT, Innovation Centre, Exploration Drive, Aberdeen Science & Energy Park, Bridge of Don, Aberdeen, AB23 8GX Fax: 01224 820236 E-mail. carol-ann.reid@sut.org Phone: 01224 823637

I will pay by cash  cheque  credit card  Invoice  (Please supply PO No) for multiple registrations.

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

Company \_\_\_\_\_

Address \_\_\_\_\_

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

E .mail address \_\_\_\_\_

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

Name on the Card \_\_\_\_\_

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

# 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 £65 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, and
- | 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:

- | n 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: \_\_\_\_\_

\*Optional airmail surcharge for non-UK addresses (£6.00 Europe/£12.00 outside Europe—please include with subscription payment)

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"/> Underwater science | <input type="checkbox"/> Underwater robotics       | <input type="checkbox"/> Offshore site investigation |
| <input type="checkbox"/> Ocean resources    | <input type="checkbox"/> Marine renewable energies | <input type="checkbox"/> Education and training      |
| <input type="checkbox"/> Subsea systems     | <input type="checkbox"/> Environmental forces      | <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: \_\_\_\_\_ 3 digit security No. from back of card \_\_\_\_\_

Issue Number (Switch cards only): \_\_\_\_\_

Expiry date: / / Start Date: / / Cardholder: \_\_\_\_\_

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

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

Please send me a Direct Debit Application Form for payment of future subscriptions

### 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: / /

Eve 4290A

