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Subsea Gadgets & Widgets

14 June 2006

Britannia Hotel, Bucksburn, Aberdeen

Bar Opens: 1730 Lecture Start: 1800 Supper: 1930

Chairman: Ian Edwards, ITI Energy

Big boys toys or useful tools there is no getting away from the fact that our industry revolves around a miscellany of underwater high technology gadgets and widgets that help make everything happen in the world of underwater exploration. Tonight will see just some of the latest developments that makes our industry tick, tock, whirr, shake, rattle, and roll!

Ian Edwards, ITI Energy

Ian will give a quick overview of ITI Energy explaining why they were established, how much money is available, where ITI Energy sit in the development cycle, and will show a few current example projects.

David Gillies, Perry Slingsby Systems Limited

Perry Slingsby presents its latest "wire free" hybrid feedback manipulator control system and the innovative TA70 robotic arm. The underlying electronics-in-oil control technology has applications from manipulators to pipe crawlers to platform ballast systems.

Alan Duncan, ImpROV Ltd

Presentation of the IMPROVISER Self-Adjusting Intelligent Class 1-4 Torque Tool; this tool enables ROVs to complete multiple tasks in a single dive by eliminating the requirement to recover the vehicle to the surface to change end effectors or motors.

Maurice Fraser, Trittech International Limited

Micro sensors for ROV's: A presentation on the latest range of sonars, altimeters, modems and laser scaling aids.

Matt Blair, CD Limited

ROV Integrated Navigation, Guidance, and Measurement Package. *MiniSpool* has been in use for more than four years as a high accuracy seabed metrology package but the original concept was as an AUV navigation sensor suite. Given the performance and depth demands now being made on ROVs it is time to reconsider it as a complete proven ROV navigation, guidance, and measurement package.

Alastair MacDonald, Industrial Solutions International Ltd

*Thin Jack*TM is a millimetric thin jacking and separating system, capable of exerting hundreds of tonnes of force.

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