

# OI 2016: Positioning & Metrology Techniques & Technologies



Challenging times for the offshore survey and metrology industry require innovative techniques and technologies that deliver operational efficiencies and productivity. And that, in the words of one of the co-chairmen of the 'Positioning and Metrology' day-long conference at Oceanology International 2016 (OI 2016), is just what will feature on the conference agenda. Like all OI conference sessions at OI 2016, to be held in the ExCeL London, UK, from 15-17 March 2016, it is free-to-attend.

Taking place on [OI 2016](#) opening day, Tuesday 15 March 2016, conference stream co-chairs Jonathan Davis, survey & geospatial data management manager – AGT Region, BP, and Malik Chibah, INS group manager, Sonardyne, explain the session will bring together oil and gas companies, survey contractors and key equipment suppliers to

present example applications of new technology to industry challenges. The day will be split into four sessions – 'Multibeam Sonar', 'GNSS', 'Optical and Laser Imaging', and 'Acoustic Positioning'. Multiple presentations have been selected which will allow all attendees to gain a unique insight into key emerging operational capabilities for the industry.

## Down to Detail

Following introductions by the co-chairs, Frederic Auger, chief surveyor at Total E&P will deliver the keynote address, to be followed by Blair Cunningham, president of Technology, Coda Octopus Products Inc's view of 'Use of innovative real-time 3D sonar technology enables installation of a monopod Liquid Natural Gas (LNG) platform and pipeline under low visibility and high current conditions, increasing productivity and reducing project risk'.

GNSS then comes under the conference spotlight with two presentations, the first 'Combining GNSS and INS for robust surface positioning' by Dr David Russell, Technology manager, Veripos; and the second 'Towards centimetre-level offshore surface positioning' by Fugro Intersite BV geodesist, Matthew Goode.

Following the lunchtime break for visiting the exhibition and networking, the afternoon concentrates on an optical/laser panel session; followed by the session on acoustic/inertial activity. Three confirmed speakers take to the lectern in the optical/laser panel session – Jason Gillham, CEO of 2G Robotics looking at 'Stereoscopic vision coupled with SLAM technology for efficient subsea metrology operations'; Fugro's commercial manager, Dan Matthews who will concentrate on 'Evolving metrology and mapping techniques using subsea Lidar', and DimEye Corp's president and Arnauld Dumon, whose 10-minute presentation will be on 'Subsea 3D survey: a new business model with innovative photogrammetry'. Their quick fire presentations will be followed by half an hour's discussion and Q&A.

The final session of the day looking at acoustic/inertial issues features two confirmed speakers – Mikael Larsen, principal engineer – INS at Sonardyne International who will speak on 'Tightly integrated acoustically aided INS, laser mapping and contactless metrology'; and ASV's business manager – Offshore Energy, James Hailstones on 'Using an ASV for oil and gas services work'. When the conference stream ends it is time to take part in the networking event on the exhibition show floor.