

MARINE AUTONOMY & TECHNOLOGY SHOWCASE



Wednesday 14 November 2018

- 8.30 **Registration and refreshments**
Mr Leigh Storey NOC
- 9.00 **Aspirational applications -**
9.15 Oceanids: Development of Next Generation Marine Autonomous System Capabilities for the UK's National Marine Equipment Pool
9.35 Underwater 3D Mapping and Intervention
- 10.00 Shared Waterspace Autonomous Navigation by Satellite Project
10.20 **Refreshments**
11.00 Operating around hazards and safe manoeuvring by AutoNaut USV
11.20 Suction anchor platform for autonomous underwater vehicles
- 11.40 Bridging the gap between aspirational applications and the capabilities of marine autonomous systems
12.00 A new era of smart, low cost AUVs
12.20 Autonomous Subsea Inspection to Reduce Ship Time, Increase Safety and Reduce Costs
12.50 Summary Peter Collinson BP
- 1.10 **Lunch**
2.10 **Enabling Technology -**
2.25 **MAS Essentials**
2.45 Novel self-calibrating pH sensors for use onboard autonomous underwater vehicles
3.05 Augmented reality for cloud connected, digitally twinned, autonomous surface vessel swarms and cyber physical systems
3.35 Enabling Autonomous Inspection Technology Solutions to Transform IMR Operations
- 3.50 **Refreshments**
4.15 Current Measurements from Moving Platforms and their Adaptations for Marine Autonomy
4.35 Compass: A Framework and Toolbox for Robotic and Autonomous Systems
4.55 Smart onboard processing of visual imaging from a small USV
5.15 Extended Range Tracking (XRT) for Doppler Velocity Log Sensors
- Peter Collinson BP**
Dr Alex Phillips NOC
- Narcis Palomeras**
Universitat de Girona
Dr P Thompson BMT
- Phil Johnston**
AutoNaut Ltd
Adrian Woodroffe
Cellula Robotics
Chris Carter Frazer Nash
- Iain Vincent** Planet Ocean
Exeter University
- Invited Expert Speaker
- Malik Chibah Sonardyne**
- Dr Kay McGuinness**
ANB Sensors Ltd.
Dr Peter Staelens
dotOcean NV
- Wayne Sherry** I-Tech
- Dr Claire Cardy** Nortek
- Sara Rayburn**
Oceaneering International
Phil Johnston Seiche Ltd
Paul Wanis
Teledyne RD Instruments



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**National
Oceanography Centre**
NATURAL ENVIRONMENT RESEARCH COUNCIL

conference.noc.ac.uk/matshowcase

- 5.35 Summery Malik Chibah Sonardyne
5.50 Daily Summary
5.55 **MATS Evening social event and light supper**
7.00 - **Evening session being run by Hydrographic Society which**
9.00 **will take place in the MARSIC HUB, main NOC Building to**
attend this event please complete separate registration on main
web page.

Invited Expert Speaker
Leigh Storey NOC

