

# MARINE AUTONOMY & TECHNOLOGY SHOWCASE



National  
Oceanography Centre  
NATURAL ENVIRONMENT RESEARCH COUNCIL

[conference.noc.ac.uk/matshowcase](http://conference.noc.ac.uk/matshowcase)

## Tuesday 13 November 2018

10.00	<b>Registration and refreshments</b>	
11.00	<b>Mr Aidan Thorn NOC</b>	
11.10	<b>Prof Ed Hill OBE Executive Director NOC</b>	<b>Welcome</b>
11.30	<b>Major General Robert Magowan CB, CBE Royal Navy</b>	<b>Keynote Address</b>
12.00	<b>Current Technology - Maaten Furlong NOC</b>	<b>Invited Expert Speaker NOC</b>
12.15	<b>SOLSTICE</b> Addressing food security in the developing countries: marine robotics as an integral part of a complex multidisciplinary project	
12.30	Dstl's Marine Autonomous Systems Research Programmes.	Adrian Baker
12.45	<b>Lunch</b>	
1.50	Ecology by marine autonomy: recent experience in research and monitoring via seafloor mapping	NOC
2.10	Minesweeping as part of a mixed mine countermeasures capability	ATLAS ELEKTRONIK EIVA a/s
2.30	Application of Deep Learning-based technologies to support the subsea inspection process of offshore facilities	
2.50	SeaSmart: A new approach for rapid, on-site resource assessment at potential tidal stream energy array sites using MAS	MarynSol Ltd
3.10	<b>MAS Essentials</b>	
3.30	Dynamic docking between autonomous underwater robots	Forssea Robotics
3.50	Using Smart Hydrophone Technology to Prevent AUV Collision or Entanglement	Ocean Sonics
4.10	<b>Refreshments</b>	
4.40	Development and Field Trials of Two Autonomous Telemetry Systems for Transferring Data from the RAPID 26°N Array	NOC
5.00	Developing AutoNaut USV for operations in Arctic/Antarctic environments	University of East Anglia
5.20	Delivering 4cm Data Resolution and 200m swath capability on a Two-Man-Portable Unmanned Underwater Vehicle	General Dynamics
5.40	Applied computer vision in real-time subsea survey	ROVCO
6.00	<b>Summary Maaten Furlong &amp; Aidan Thorn</b>	<b>Invited Expert Speaker</b>
6.10	<b>Icebreaker Reception and NEXUSS Poster Session MAChallenge 2019 Competition Launch Mayflower 400 and Overview of the activities to be hosted in Southampton in 2020</b>	<b>Dan Hook Jim Zalles</b>

