

# MARINE AUTONOMY & TECHNOLOGY SHOWCASE

TUESDAY 14 NOVEMBER  
NOC SOUTHAMPTON

<b>0830</b>	<b>Coffee and Registration</b>	
<b>Session 1: Applications - current reality and aspirations</b>		
0845	Current AUV Developments at the NOC	Dr. Alex Phillips National Oceanography Centre
0910	Using low-noise current profilers in marine autonomy	Claire Cardy NORTEK
0935	New autonomous technologies take tectonic studies into the deep	Geraint West Sonardyne
1000	The DARPA and Leidos ACTUV Sea Hunter and maritime autonomy	Charles Fralick Leidos
1025	Application of Marine Autonomous Systems to oil spill response and monitoring	Dr. Andrew Gates National Oceanography Centre
<b>1050</b>	<b>Coffee</b>	
1110	Developing the AutoNaut 5-metre, a versatile long-endurance USV for: ADCP, PAM, seabed positioning and data communications	Phil Johnston Seiche
1135	The blue economy driving disruptive technologies	Leslie-Ann McGee Centre for Marine Robotics WHOI
12.00	Year Of Autonomy 2017 Review	Tessa Darley Knowledge Transfer Network
<b>1220</b>	<b>Lunch</b>	
<b>Session 2: Enabling technologies to enhance our understanding of the marine environment</b>		
1250	Synthetic Environments supporting next generation Maritime Autonomous Systems	Terry Newman and Tim Munn Thales
1315	Marine autonomy and virtual environments - smarter systems for design, training and autonomous operations	Antony Waldock BMT
1335	Swarming AUVs need to talk to each other!	Ioseba Tena Sonardyne



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1400	Computer vision applications for seafloor ecology	Dr. Brett Hosking National Oceanography Centre
<b>1425</b>	<b>Coffee</b>	
<b>Session 3: Making systems smarter - the advance from automatic to autonomy</b>		
1445	Software for optimising UxV planning over large areas	Chris Haworth SeeByte
1510	The path to real world autonomy for ASVs Inside Mission Control – Challenges of over-the-horizon autonomy	Chris Bissec ASV
1530	Satellite detection of shelf-sea fronts for guiding and adding value to marine autonomous vehicle missions	Peter Miller Plymouth Marine Lab
1555	The use of low cost autonomous underwater systems to increase net return	Terry Sloane Planet Ocean
1620	Unmanned Surface Vehicles in the fields of energy and ocean sciences	Guillaume Eudeline IX Blue
1645	NEXUSS sessions	Postgraduate NEXUSS Students
	David Price	NEXUSS University of Southampton
	Thomas Lowndes	NEXUSS University of Southampton
	Pip Simpson	NEXUSS University of Southampton
<b>5-minute Flash Talks</b>		
1715	Slocum Gliders - expanding applications	Ben Allsup Teledyne
1720	The CTG Multi-parameter Fluorometer – A new approach to in-situ fluorescence measurement	Justin Dunning Chelsea Technologies
1725	What more can we ask of a Doppler Velocity Log to improve subsea navigation	Torstein Pederson NORTEK
1730	Georeferenced imaging solutions for autonomous & unmanned platforms	Lionel Fauré IX Blue
<b>1735</b>	<b>Close</b>	

