

UK Glider Community Workshop 2019

National Oceanography Centre, Southampton

Time	Duration	Speaker	Affiliation	Title
09:00	00:10			Welcome
		SESSION 1: Physical oceanography		
09:10	00:15	Rob Hall	UEA	Mapping bathymetry and surface tides with glider data en masse
09:25	00:15	Ryan Matthew Scott	BAS	Rates and mechanisms of turbulent mixing in a coastal embayment of the West Antarctic Peninsula
09:40	00:15	Charlotte Williams	NOC	Physical Preconditioning of oxygen distribution in the North Sea
09:55	00:15	Adrian Matthews	UEA	Glider operations during BoBBLE (Bay of Bengal Boundary Layer Experiment)
10:10	00:20	Coffee		
		SESSION 2: Operations		
10:30	00:15	Benjamin Allsup	Teledyne Webb	Slocum Glider operational capabilities and advanced piloting concepts
10:45	00:15	Karen Heywood	UEA	Robots deploying robots: getting gliders into challenging environments
11:00	00:15	Emma Slater	BODC-NOC	BODC Glider Data Management – A Decade of Glider Data
11:15	00:15	Alvaro Lorenzo Lopez	NOC	OCEANIDS C2 - A unified command and control infrastructure for the NERC long-range fleet.
11:30	00:15	Alex Beaton	NOC	Lab-on-chip chemical sensors on gliders
11:45	00:25	DISCUSSION: next-generation UK glider fleet		
12:10	01:30	Lunch & Posters		
		SESSION 3: Biogeochemistry & biology		
13:40	00:15	David Diaz	Alseamar	SeaExplorer
13:55	00:15	Tom Hull	UEA / Cefas	Net community production from the North Sea AlterEco project
14:10	00:15	Emily Venables	SAMS	Deployments in the dark: Gliders capture seasonal change in the Arctic.
14:25	00:15	Juliane Wihsgott	NOC	Influence of the Agulhas Current on stratification and primary production over the eastern Agulhas Bank; preliminary results
14:40	00:15	Filipa Carvalho	NOC	What can gliders tell us about the Biological Carbon Pump
14:55	00:20	Coffee		
		SESSION 4: Sensors		
15:15	00:15	Ramsay Lind	Blue Ocean Monitoring	Autonomous Gliders Commercial Applications
15:30	00:15	Eduardo Vaz	RBR	Development and Evaluation of the New RBRlegato CTD on Glider Platforms
15:45	00:15	Gillian Damerell	UEA	Trial and Tribulations with Microstructure Seagliders
16:00	00:20	DISCUSSION: synergies for future collaborations		
16:20	00:10	Discussion summary and closing remarks		
16:30		Close		

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Posters Session Presenters

Name	Name of Organisation	Abstract title	Authors' names
Elizabeth Siddle	University of East Anglia	Equipping an AutoNaut for air-sea interaction studies	Elizabeth Siddle, Karen Heywood, Ben Webber, Pete Bromley
Philip Leadbitter	University of East Anglia	Using Thorpe scaling to estimate turbulent kinetic energy dissipation rates with 512 Hz thermistor data from Seaglidors	Philip Leadbitter, Rob Hall, Alexander Brearly
Ria Oelerich	University of East Anglia	Cross-Slope Observations of the Bellingshausen Sea using Ocean Gliders and CTD Stations	Ria Oelerich, Karen Heywood, Gillian Damerell
Callum Rollo	University of East Anglia	Estimating absolute water velocities using a glider mounted ADCP	Callum Rollo, Karen J Heywood, Rob Hall, Alex Phillips
Peter Sheehan	University of East Anglia	Weekly variability of hydrography and transport of northwestern inflows into the northern North Sea	Peter MF Sheehan, Barbara Berx, Alejandro Gallego, Rob A Hall, Karen J Heywood, Bastien Y Queste
Jack Mustafa	University of East Anglia (School of Environmental Sciences)	Acoustic Detection of Wind and Rain using Passive Acoustic Monitoring in the Tropical Indian Ocean	Jack Mustafa, Adrian Matthews, Rob Hall, Karen Heywood
Estelle Dumont	SAMS	A seasonally resolved slope current: a decade of glider observations	Marie Porter, Stuart Cunningham, Estelle Dumont, Neil Fraser, Loic Houpert, Mark Inall
ANIL AKPINAR	National Oceanography Centre	Stratification in Central North Sea: response to different atmospheric forcings	Anil Akpinar, Matthew R. Palmer