



2022 25.09. - 2.10.
Biograd na Moru, Croatia

BREAKING THE SURFACE

14th INTERNATIONAL INTERDISCIPLINARY FIELD WORKSHOP
OF MARITIME ROBOTICS AND APPLICATIONS

	SUNDAY, 25.09.	MONDAY, 26.09.	TUESDAY, 27.09.	WEDNESDAY, 28.09.	THURSDAY, 29.9.	FRIDAY, 30. 9.	SATURDAY, 1.10.			
09:00 - 09:15		Opening session	Motion capture for underwater communication and diver health monitoring <i>Iain Anderson</i>	Deep learning computer vision-based obstacle detection for autonomous boats <i>Matej Kristan</i>	Developing imaging technologies to search for, discover, and understand life in the deep sea <i>Kakani Katija</i>	Welcome				
09:15 - 09:30		The Chagos Remote Ocean Voyager Expedition (C-Rove) <i>Bridget Buxton</i>								
09:30 - 09:45										
09:45 - 10:00		The role of acoustics in underwater robotics <i>Nuno Cruz</i>	Monitoring biodiversity with a wired underwater camera <i>Neven Cukrov</i>	Development of a secure, interoperable and highly scalable standard for underwater acoustic communications <i>Jeff Neasham</i>	Fantastic cold – water corals and where to find them <i>Johanna Järnegren</i>	Clean Ocean Mission <i>Mr. Iain Shepherd</i>				
10:00 - 10:15						Ocean Technology Funding 1/2				
10:15 - 10:30										
10:30 - 11:00		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	FIELD TRIP			
11:00 - 11:15		Autonomous platforms for oceanographic data collection <i>Riccardo Gerin</i>	Control of Autonomous Underwater Vehicles for Hydrobatics <i>Ivan Stenius, Sriharsha Bhat</i>	Integrated observations and monitoring solutions for exploration and sustainable exploitation of marine abiotic resources <i>Marzia Rovere</i>	AUVROVA-autonomous low-cost resident inspection underwater drone concept <i>Kjetil Eik</i>	Ocean Technology Funding 2/2				
11:15 - 11:30										
11:30 - 11:45										
11:45 - 12:00		Longterm deployment – does AUV really need to surface <i>Antonio Vasilijevic</i>	Data Policy and Challenges for Marine Robotics <i>Roberta Ferretti, Simona Aracri</i>	Company Presentation <i>MDM Team</i>	Heterogeneous Autonomous Robotic System in Viticulture and Mariculture <i>Zdenko Kovačić, Nadir Kapetanović</i>	Ocean observation technologies Company pitches				
12:00 - 12:15										
12:15 - 12:30										
12:30 - 13:00		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH				
13:00 - 13:45										
13:45 - 14:00								T1 Intro - Getting started with Reeds, the world's largest dataset for perception algorithms <i>Reeds</i>	T3 Intro - "Work Class" ROVs for Underwater Operations <i>MARS</i>	T5 Intro - Marine object detection using MARUS generated dataset <i>Ivan Lončar, Natko Kraševac, Juraj Obradović</i>
14:00 - 14:15										
14:15 - 14:30		T2 Intro - Underwater localization of acoustic sources – principles and approaches <i>challenge, INESC-TEC</i>	T4 Intro - Multibeam echosounder (MBES) <i>GEOMAR</i>	T6 intro - Localization challenge <i>challenge, University of Haifa</i>						
14:30 - 14:45										
14:45 - 15:00					BREAK	BREAK		BREAK	COFFEE BREAK	
15:00 - 15:15										
15:15 - 15:30		T1 <i>Reeds</i>	T3 <i>MARS</i>	T5 <i>simulator, Ivan Lončar</i>			T7 <i>CNR</i>			DEMO <i>Buoys</i>
15:30 - 16:00										
16:00 - 16:30										
16:30 - 17:00	REGISTRATION									
17:00 - 17:30										
17:30 - 18:00										
18:00 - 18:30	WELCOME DRINK								Challenge presentations	
18:30 - 19:00										
19:30 - 20:30	DINNER	DINNER	DINNER	DINNER	DINNER	GALA DINNER AND CLOSING CEREMONY				
20:30 - 21:00		IEEE OES UNIZG PARTY	WOMEN IN BLUE		PUB QUIZ		BTS KARAOKE NIGHT			
From 21:00										

