

# First Annual Workshop on Dual Use Marine Technologies in Cyprus

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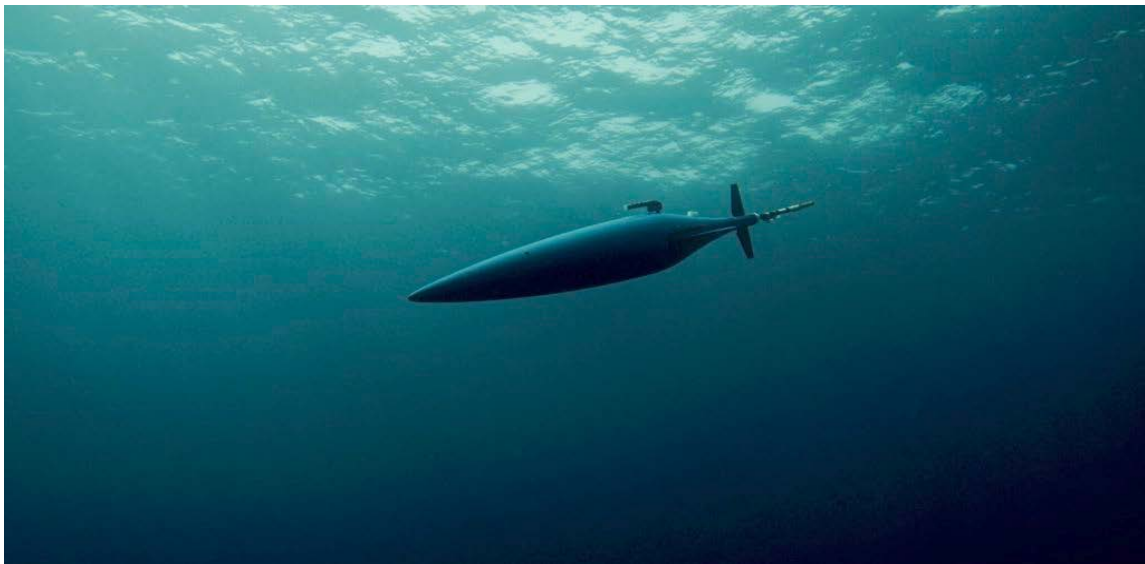
*Auditorium 1*

*Tassos Papadopoulos Building (Cyprus University of Technology)*

*Corner of Themidos and Iphigeneias*

*Limassol*

*8-9 November 2018*



## Introduction

The main objective of this workshop is to bring together marine technology providers and operators to share the latest advancements and user requirements of dual use marine technology. Advanced scientific tools can be used for more than just specialized research projects, but also persistent environmental monitoring and even coastal and off-shore safety and security applications. The marine monitoring and surveillance industry is undergoing a rapid shift to more autonomous, multi-use systems which brings new monitoring capabilities as well as new operational requirements. At the same time, marine operators have been experiencing reduced operational budgets, and more demanding requirements for monitoring for environmental, safety, and security incidents. After a series of short presentations of recent technological developments, attendees will be able to discuss their views of the potential challenges and benefits of the above, as well as to ask technical questions. We will invite local and European off-shore operators, academic researchers, and Cyprus authorities related to research, monitoring, and security of the sea to join our panel of European marine technology companies, service providers, and researchers. Registration is free. Due to limited seat availability early registration is recommended. RSVP to: [Andreas.Prodromou@cut.ac.cy](mailto:Andreas.Prodromou@cut.ac.cy).

## Agenda Thursday 8 November 2018

Time	Agenda item	Organization	Speaker
08:30	Coffee and Registration		
09:00 – 09:05	Welcome Speech	CUT	A. Anayiotos, Rector
09:05 – 09:20	Opening the Workshop	CUT	Savvas Loizou
09:20 – 09:50	Introduction to Over the Horizon Radar	Helzel	Thomas Helzel
09:50 – 10:10	Experience with OTHR, detection and tracking	Helmholtz-Zentrum Geesthacht	Jochen Horstman
10:10 – 10:30	Drift prediction for environmental protection and search & rescue operations	University of the Aegean	Vassilis Zervakis
10:30 – 11:00	Discussion of OTHR-features, limitations, local configurations, setup, local expertise	ALL	ALL
Coffee break			
11:30 – 11:50	Introduction to Autonomous Surface Vehicles	Clever Ocean	Michael Field
11:50 – 12:10	ASVs for environmental monitoring	GEOMAR	Warner Brückmann
12:10 – 12:30	Plants and Animals of the Sea: Long-term observation program of Cyprus	Cyprus Institute	Rana Abu Alhaija
12:30 – 13:00	Discussion of ASVs-local uses, questions	ALL	ALL
Lunch			
14:30 – 14:50	Introduction to Autonomous Underwater Vehicles	Kongsberg	Daniel Esser
14:50 – 15:10	Gliders for environment, safety and security of deep sea	CSCS	Daniel Hayes
15:10 – 15:30	Swarm AUVs for detailed environmental mapping	Hydromea	Felix Schill
15:30 – 16:00	Discussion of AUVs-local uses, questions	ALL	ALL
Coffee Break			
16:00 – 16:30	Landers for Ocean Observing, Communications, and Security	Kongsberg	Daniel Esser
16:30 – 17:00	Autonomous Drifters and Floats for environment, safety, and security	MetOcean Telematics	Clifton Flint
	Open Discussion	ALL	ALL

## Agenda Friday 9 November 2018

Time	Agenda item	Organization	Speaker
09:15	Coffee and Registration		
09:30 – 09:50	Funding Schemes: EDA, EU Structural funds	TBD	TBD
09:50 – 10:20	Oceanographic applications of microwave marine x-band radar	HZG	Jochen Horstman
10:20 – 10:50	The Proteus Project-Mediterranean Maritime Surveillance Cluster	MarInEM	Angelos Ktoris
10:50 – 11:10	National Action Plans-pollution, security	JRCC	TBD
11:10 – 11:30	Discussion-input from stakeholders -offshore environmental monitoring (industrial, governmental) -safety of people at sea -Potential challenges/benefits related to new technologies	Representatives of industry and government	ALL
Coffee break			
12:00 – 12:20	The GLIDER project-Norwegian Shelf Autonomous Observing Network	AkvaPlanNiva	Salve Dahle
12:20 – 12:50	Passive acoustics for noise and mammals from autonomous systems	NORCE Norwegian Research Centre AS	Geir Pedersen
12:50 – 13:10	UAVs for oil spills, search and rescue, and defence	GGDedalos Ltd	George Georgiades
13:10 – 13:30	UAVs for earth observations	CUT	Savvas Loizou
Lunch-Closing of Conference			

### Organizers:



Project co-financed by the European Regional Development Fund

Panel:



### Location Map:

