TÉCNICO LISBOA

DEM
DEPARTAMENTO DE ENGENHARIA MECÂNICA
TÉCNICO LISBOA

CENTEC
Centre for Marine Technology and Ocean Engineering

Naval Architecture and Ocean Engineering

Seminar

Supporting future environmental monitoring using maritime unmanned systems

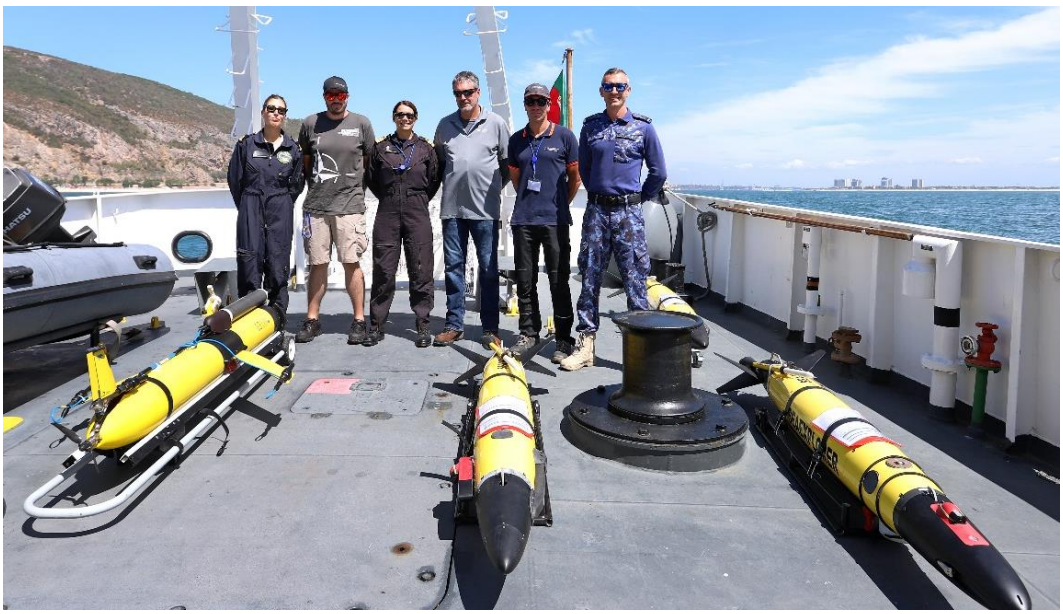
By

Florin Constantinoiu & Nádia Rijo

Friday, 17th May, 2024

10:00h- 12:00

IST, Room V1.16 (Civil Pavilion, 1st floor)



Speakers

Florin Constantinoiu NATO MGEOMETOC CENTRE OF EXCELLENCE Staff Officer	Diploma in Maritime Engineering, from the Romanian Naval Academy (2009) and MSc in Naval Engineering and Navigation (2011) from the Maritime University of Constanta, Romania. Between 2011 and 2021 he was posted in different positions in the Hydrography, Oceanography and Mine Warfare departments inside the Romanian Maritime Hydrographic Directorate. Florin achieved the IHO category B hydrographic surveyor (2018) from the Royal Navy Flag Officer Sea Training and University of Plymouth, and in 2020 he achieved the IHO category A hydrographic surveyor from the same Institutions, being the second Romanian person with this degree. From May 2021 he is the first Romanian delegate at the NATO Maritime Geospatial Meteorological and Oceanographic Centre of Excellence in Portugal – posted as the Oceanography staff officer. He is a PhD student at the Department of Mechanical Engineering, Dunărea de Jos University of Galati, Romania. His main scientific interests include underwater research and maritime unmanned systems development.
Nádia Rijo NATO MGEOMETOC CENTRE OF EXCELLENCE Staff Officer	Commander Nádia Rijo holds an academic degree in Military Sciences from the Portuguese Naval Academy (2005) and a degree in Geophysics Sciences (Meteorology) from the University of Lisbon (2021). Currently, she is posted at the Maritime Geospatial Meteorological and Oceanographic Centre of Excellence (MGEOMETOC COE) as an Exercise and Experimentation Staff Officer within NATO. She has played a key role in coordinating the Rapid Environmental Assessment (REA) warfare area during the Robotic Experimentation and Prototyping with Maritime Unmanned Systems (REPMUS) exercise. This exercise was a multinational Operational Experimentation (OPEX) led by the Portuguese Navy. During her career, Commander Rijo has sailed for over 10,000 hours and gained extensive experience in scientific missions such as contributing to the Portuguese Extension of the Continental Shelf. Additionally, she has been involved in military operations such as combating piracy in the Horn of Africa on behalf of NATO. Between 2012 and 2016, she taught Navigation and Meteorology at the Portuguese Naval Academy. She was the first woman to be the Military Advisor of the Portuguese Ministry of National Defence in 2017, and Spokesperson of the Portuguese Navy and National Maritime Authority in 2020.