

TECNOLOGIAS MARINHAS 2017

14 – 16 of November
CIIMAR, Terminal de Cruzeiros do Porto de Leixões, Matosinhos

14 November

08h30: Registration

09h30: Opening Session

10h00: Opening Lecture: João Vitorino (Instituto Hidrográfico) | **MONIZEE – the Future**

10h30: Coffee break

11h00: Monitoring networks

Moderators: Luísa Bastos (CIIMAR) & Carlos Fernandes (Instituto Hidrográfico)

Ines Martin Grandes (Fugro Norway AS)

Seawatch: a robust system for long term metocean monitoring network

Miguel Duran Lopez (HCTech - Hércules Control)

Wave monitoring today. BARES: solutions for the instrumental data of waves

Miguel Angel Lleches (Kongsberg Maritime)

Ocean observatories, seabed networks and associated sensors using K-LANDER

Kevin Grangier (Teledyne RD Instruments)

SENTINEL V Real Time measurement

Nuno Almeida (DEIMOS Engenharia)

SIMOcean: Maritime Open Data and Services Platform

12h40: Elísio Bernardes (Escola de Hotelaria e Turismo do Porto) | **Adding value to fisheries products**

12h50: Valuing fisheries products and light lunch

14h20: Autonomous vehicles

Moderators: Inés Martin Grandes (Fugro Norway AS) & Miguel Duran (HCTec - Hércules Control)

Miguel Angel Lleches (Kongsberg Maritime)

Results from an environmental survey using HUGIN and latest autonomy trends

Luís Madureira (OceanScan – MST)

LAUV (Light Autonomous Underwater Vehicle) Improvements: Towards long term/ long range operations

José Pinto (LSTS)

Coordination of Multiple Autonomous Vehicles: From Concept to Reality

Pedro Petiz and Tiago Ramalho (Tekever)

The use of RPAS in maritime applications

Diogo Vicente and Paulo Marques (UAVision)

UAVs applied to marine pollution monitoring

16h00: Coffee break

16h30: Project STRONGMAR

Antonina dos Santos (IPMA)

The importance of technologies for the Ocean's monitoring

Augusto Salgado (Portuguese Navy)

Underwater Archaeology & Robotic: use of ROVs and AUVs to evaluate WWI wrecks

Cláudia Matos Pinheiro (A Silva Matos)

Robotics for Oil and Gas

*Miguel Santos (CIIMAR) * TBC*

CORAL: a joint effort for the Sustainability of Ocean Exploitation

Eduardo Silva (INESC TEC)

Final remarks

15 November

09h00: New challenges – part I

Moderators: Catarina Magalhães (CIIMAR) & Miguel Angel Lleches (Kongsberg Maritime)

Ricardo Neta (Composite Solutions)

Development of composite structures for offshore activities

Ines Martin Grandes (Fugro Norway AS)

Novel applications in real-time coastal and ocean monitoring systems

Miguel Terra (DEIMOS Engenharia)

CoReSyF: Unlocking Our Potential for Coastal Innovation Growth

Kevin Dias (Amberjack Solutions)

Is blockchain technology the future?

Maria Fernandes (Qualitas Instruments)

Tsunami detection through HF Radars

10h40: Jorge Fernandes (Mermaid Investments) | **Splash by Mermaid**

10h50: *Coffee break*

11h20: New challenges – part II

Moderators: Emilie Dorgeville (Aanderaa Data Instruments) & Alfredo Izquierdo (University of Cadiz)

Xulio Fernandez Hermida (HCTec - Hércules Control)

RAMICA: Exclusive sensor for monitoring the microbiological quality of waters

Francisco Arenas (CIIMAR)

New approaches to explore functional impacts of climate change on our coastal macroalgal-dominated Ecosystems

Ana Paula Mucha (CIIMAR)

SpilLess: First-line response to oil spills based on native microorganism cooperation

Catarina Magalhães (CIIMAR)

MarinEye: An autonomous system for integrated marine monitoring

12h40: Patrícia Borges (Escola Superior de Hotelaria e Tecnologia do Mar de Peniche) | **Adding value to fisheries products**

12h50: *Valuing fisheries products and light lunch*

14h20: Field demonstrations in the marina

17h30: *Coffee Break*

19h00: Transportation to Workshop Dinner

20h00: *Workshop dinner*

16 November

09h00: Observatories – part I

Moderators: Maria Fernandes (Qualitas Instruments) & Joaquin del Rio (Universitat Politècnica de Catalunya)

Mark Underwood (Commonwealth Scientific and Industrial Research Organization - Oceans and Atmosphere)
Australia's Integrated Marine Observing System (IMOS)

Josh Kohut (Rutgers University)

Frontier Technologies for Integrated Ocean-Atmosphere Observing & Forecasting: Promoting Partnerships for Research, Education, and Service to Society

Maria da Luz Macho-Eiras (MeteoGaliccia)

Oceanic observatory for the Iberian shelf (RAIA)

Alfredo Izquierdo (Universidad de Cádiz-CEIMAR)

OCASO: A Cross-Border Initiative for a Coastal Environmental Observatory

Rogério Chumbinho (SmartBay Ireland)

The Galway Bay Underwater Observatory - experiences and opportunities

Vicente Pérez Muñuzuri (University of Santiago de Compostela)

Coastal observatories: which is their role in supporting research and innovation in Europe?

11h00: Coffee break

11h30: New challenges – part III

Moderators: Inés Martin Grandes (Fugro Norway AS) & Vicente Pérez (University of Santiago de Compostela)

Emilie Dorgeville (Aanderaa Data Instruments AS)

MOTUS wave sensor: measure accurate waves with a full featured metocean buoy

Cristobal Molina (Nortek AS)

New advances in ADCP's technology

12h10: Observatories – part II

Moderators: Margarida Hermida (Madeira Oceanographic Observatory) & Vicente Pérez (University of Santiago de Compostela)

Joaquin del Rio (Universitat Politècnica de Catalunya)

OBSEA, an underwater cabled observatory: on-going projects

Emilie Dorgeville (Aanderaa Data Instruments AS)

Long-term multiparameter observations in the water column of a temperate fjord, University of Gothenburg, Sweden / Aanderaa, Norway

12h50: Patrícia Borges (Escola Superior de Hotelaria e Tecnologia do Mar de Peniche) | Adding value to fisheries products

13h00: Valuing fisheries products and light lunch

14h30: Observatories – part III

Moderators: Ana Bio (CIIMAR) & Andrés Alonso-Matirena (Qualitas Remos)

Margarida Hermida (Madeira Oceanographic Observatory)

Oceanic Observatory of Madeira

Pedro Agostinho (Qualitas Instruments)

HF Radar Initiative in Madeira Island: System description, first results and ideas for the future

Josie-Alice Kirby (Plymouth Coastal Observatory, South West Regional Coastal Monitoring Programme, UK)

Coastal Monitoring in the UK: an example from the South West

Paulo Silva (University of Aveiro)

Video monitoring systems as support tools on forecasting extreme coastal events

Diogo Mendes and José Paulo Pinto (Instituto Hidrográfico)

Towards an operational nearshore monitoring system

16h10: Closing Session