

15th ENERMAR Technical Conference

The ocean and renewable energies:

The contribution of Naval Architecture and Marine Engineering



June 25, 26 & 27
Viana do Castelo (Portugal)



Day 1: Thursday, June 26th Instituto Politécnico de Viana do Castelo Auditorium ([location](#))

8:30	Credentials
9:00	Panel 1: Wave energy: from resource assessment to operation with digital twins Moderator: Raúl Rodríguez
	Breakthroughs in wave energy. Kevin Rebenius (CorPower)
	MAR+ PROJECT: An advanced wave resource assessment for the Mutriku wave power plant. Cristina Casal (IHCantabria)
	MAR+ PROJECT: development of a digital twin for the Mutriku wave power plant. Cristina Casal (IHCantabria)
	Desarrollo de energía undimotriz en puertos: Wave Rider. Luis San Segundo (Degima)
10:15	Coffee Break
10:45	Panel 2: Floating renewable energies in port and offshore environments: Solar photovoltaic and integrated solutions Moderator: Ana Bezunartea
	Use of model-based weather forecasting systems for validation of areas for marine energy deployment in port service areas. Raúl Cascajo
	Floating solar PV response to wave action. Marian Gomis (IHCantabria)
	PV-Bos: Offshore floating solar solution for global energy access. Clara García y Belén Vallino (Bluenerewables)
11:45	Panel Discussion Development of offshore wind energy in the Iberian Peninsula: Industrial Framework
	<ul style="list-style-type: none"> ▪ Carla Chawla, Managing Director Navantia Seanergies ▪ Roberto Bouza, General Manager WindWaves ▪ Luis Machado, Executive Director ETERMAR Energia ▪ Luis San Segundo, CEO DEGIMA
13:15	Networking Lunch
14:30	Panel 3: Digital tools and integrated management of offshore projects Moderator: Vicente Díaz
	Life extension, supply chain, traffic and maritime safety analysis of commercial offshore wind farm developments. Javier González Arias (Bureau Veritas)
	Floating renewable energy installations and maritime security. Federico Navarro (Dirección General de la Marina Mercante)
	Risk engineering guidelines for insurance of floating offshore wind farms. Pilar Heras (DNV)
15:30	Panel 4: Pillars for the industrialization of floating wind power: Planning, Operations and Safety Moderator: Raúl Cascajo
	Advanced simulation to define safe and efficient operating windows for floating wind turbines. José Maria Domínguez (SIPORT21)
	Socio-economic impact of a Galicia/Northern Portugal cross-border offshore wind farm. Pedro Manuel Fernández Rodríguez (UdC)
	Designing the Next Generation of «Floating Wind Ready» CSOVs and SOVs: Motion Reduction, DP Optimization and helicopter integration. Santiago de Guzmán (Seaplace)
16:30	Visit to Lankhorst Offshore and Corpower
20:30	Cocktail dinner at Hotel Flôr de Sal

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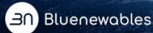
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Day 2: Friday, June 27th Instituto Politécnico de Viana do Castelo Auditorium

- 9:00** **Panel 5: Innovations in hydrodynamics and structural behaviour of FOWTs**
Moderator: Juan Moya
Non-linear floating offshore wind dynamics due to severe and extremal sea-states. Sergio Fernandez (IHCantabria)
FOWT DAMP 2: Experimental Tests of Forced Oscillations with Current on a Semi-Submersible Platform. Daniel Ponce Matilla (INTA-CEHIPAR)
DemoSATH: Results, lessons learned and technological evolution of the first grid-connected floating wind turbine in Spain. Irati Larrinaga (Saitec)
A hybrid approach to overcoming challenges of floating offshore wind energy. Águeda Lago (Gazelle Wind Power)
- 10:15** **Panel 6: Industrialization Challenges and Solutions: Ports, Operations and Supply Chain**
Moderator: Soledad Somoza
Operational decision-making system for the outer port of Punta Langosteira using artificial intelligence. Jose Sande (UdC)
Streamlining load-out operations in floating wind. Lucas Fraiha (X1 Wind)
TRIWIND. Floating platform for the FOW industry. Diego Mateos (Berenguer Ingenieros).
- 11:15** **Coffee Break**
- 11:45** **ENERMAR Working Group Speech**
- 12:00** **Panel Discussion**
Development of offshore wind energy in the Iberian Peninsula: Institutional Framework
Moderator: Lourenço Freitas (Cuatrecasas)
- **Clàudia Lucas.** Offshore Wind Specialist, Associação Portuguesa de Energias Renováveis (APREN)
 - **Ana Bezunartea.** ENERMAR Working Group Member
 - **Rosa Núñez.** Head of Planning, Innovation and Projects, Instituto Enerxético de Galicia (INEGA)
 - **Gilberto Mariz.** Divisão das Instalações Elétricas, Direção Geral de Energia e Geologia (DGEG)
- 13:30** **Closure**
- 14:00** **Lunch and Farewell**