

PAT18 is the Spanish Association of Naval Architects and Marine Engineers' working group on Marine Renewables (ENERMAR).

PAT18 organizes the 9th Edition of its Technical Sessions which, under the motto "The sea and renewable energies. The contribution of the Naval Architecture and Marine Engineering", will be hold in Seville, Spain, by June, 28th and 29th.

These Technical Sessions, already in their 9th Edition, focus on the introduction of the new markets that are being opened to the local industry; opportunities arisen from the ambitious programs of introduction of this kind of clean energies all around the world.

It will provide practical answers from utilities, manufacturers, EPCs, technological centers, shipyards, ship owners, certification bodies, etc... , both Spanish and international, attending the event.

Besides, it will create the right environment for the networking naval sector needs on the Marine Renewables (ENERMAR) sector.

A key aspect underlying the creation of these Sessions and the very PAT18 is its call for GENERATING EXCITEMENT in young generations of engineers and any sort of professionals, showing ENERMAR as an innovative, interesting and promising professional exit.



Ingenieros Navales y
Oceánicos de España

Asociación de Ingenieros
Navales y Oceánicos de España AINE

Colegio Oficial de Ingenieros Navales y Oceánicos
COIN

C/Castelló 66, 6º Madrid
tel. 915751024

aine@ingenierosnavales.com
www.ingenierosnavales.com

TECHNICAL SESSIONS
ON
NAVAL ENGINEERING
PAT18



9th Technical Sessions

"The sea and renewable energies"

The contribution of the Naval Architecture and Marine Engineering.

Venue: Pabellón de México, Paseo de las Delicias, Sevilla, Spain.

Date: June, 28th and 29th.

Time: 08:00 AM

ASOCIACIÓN DE INGENIEROS NAVALES Y OCEÁNICOS DE ESPAÑA
COLEGIO OFICIAL DE INGENIEROS NAVALES Y OCEÁNICOS

JUNE, 28TH

8 AM	REGISTRATION	11:30 AM	ROUND TABLE Installation and exploitation of offshore wind farms : Prospects in Andalucía. D. Jose Juan Alonso . Universidad de Cádiz. Representative of MAGTEL. Representative of The Junta de Andalucía. Representative of an environmental NGO.	9:45 AM	PANEL 4 : The “before”, the “throughout” and the “after” of an offshore wind farm The task of certification of an offshore wind project and the classification of their auxiliary vessels. Jaime Pancorbo & Javier González. Bureau Veritas. Swirl project. Modular oceanic platform and advanced multifunctional systems for offshore operations. Igor Blanco. Ghenova. Sustainable decommissioning of an offshore wind farm. Eva Topham. DNV-GL.
8:30 AM	WELCOME AND OPENING CEREMONY D. Luis Vilches. AINE’s President Andalucia government representative (TBC) D. Jesús Alonso. President of AINE in Andalucía. D. Juan Moya. PAT 18 Chairman	1 PM	DEPARTURE TOWARDS CÁDIZ BY BUS	10:45 AM	COFFEE BREAK
9 AM	PANEL 1 : New offshore hybrid technologies Hybrid Plataforms - A new breed. Antonio Luis García . Independent Consultant First step on the study of a renewable energy hybrid platform. María José Legaz, Universidad de Cádiz & Javier Fernández, Enerocean. Blackbird: Hybrid CAES Storage Mono-TLP VAWT WEC. Christopher Golightly. Geotechnical and Engineering Geology Consultant.	2:30 PM	LUNCH. Navantia shipyard. Puerto Real, Cádiz.	11:15 AM	PANEL 5 : Wave and tidal technology SEA-TITAN Power Take-Off. F. G. Lorenzo, A. S. Nieto. Wedge Global. Sea currents energy converter platform. Alberto Sisí. Sea Master. Harnessing tidal stream power – Ride the tide. Marlène Moutel. Sabella
9:55 AM	BREAK	3:30 PM	GUIDED VISIT TO PUERTO REAL SHIPYARD Visit to the Navantia Puerto Real Museum. Presentation of the Iberdrola’s <i>East Anglia One</i> (UK) offshore wind farm’s SE. Panoramic visit to the dock where the EA One’s SE and jacket are being built.		
10:05 AM	PANEL 2 : Marine structures Engineering, procurement and construction of offshore converter platforms. Rafael García. Dragados Offshore. Optimization of metallic structures for wind power sector. Rodrigo Gallardo. GRI. Application of concrete caisson-based solutions for the offshore wind market. José Landete, Javier Abanades & Carlos García. TYPSA.	6:30 PM	RETURN TO SEVILLA	12:10 PM	BREAK
11 AM	COFFEE BREAK	9:30 PM	Networking cocktail on the roof top patio of the Cámara de Comercio de Sevilla.	12:15 PM	PANEL 6 : Future of floating offshore wind. Hydraulic pump for windpower converters. Andrea Novás. Rotary Wave. Short draft SPAR platform for floating offshore wind turbines. Santiago de Guzmán. Seaplace. FLOW project: Development of a floating wind turbine for its full scale demonstration. Raúl Rodríguez. Nautilus (Tecnalia).
		8:30 AM	PROJECT PRESENTATION. 4 th ENERMAR Contest winner project		
		8:40 AM	PANEL 3 : O&M activities Risk-based maintenance of offshore wind substructures. Pablo G. Morato. University of Liège, Belgium. Active Maintenance Scheduling Support Based on Mesoscale Day-ahead Power Forecasts for Large Offshore Wind Farms. Lloyd’s Register. Marine Energies’ Floating Devices’ Access Systems (SAFE). Álvaro Rodríguez. CTC.	1:15 PM	CONCLUSIONS AND CLOSING CEREMONY Institutional Representative (TBC)
		9:35 AM	BREAK	1:40 PM	FAREWELL COCKTAIL

JUNE, 29TH