

Thursday September 7						
Registration (Main Hall)						
Oral presentations	Room /Track	Chairman	Paper ID	Title	Presenter	
	Laboa/ Grid integration, power take-off and control	Joao Henriques	472	A time domain approach for the optimal control of wave energy converter arrays	Mohamed Shabara	
			493	Optimisation of Air turbines for OWC Wave Energy Converters: Sensitivity of Realistic Wave Climates	Ander Zarketa-Astigarra	
			500	Integrated hydrodynamic-electrical hardware model for wave energy conversion with M4 ocean demonstrator	Judith Apsley	
			409	On data-based control-oriented modelling applications in wave energy systems	Edoardo Pasta	
			592	The Performance evaluation of 30kW class OWC wave power plant integrated with breakwater	Kilwom Kim	
			161	Investigation on the extreme peak mooring force distribution of a point absorber wave energy converter with and without a survivability control system	Zahra Shahroozi	
	Arriaga/ Wave resource characterization	Joannes Barque	140	Analysis of the North Atlantic offshore energy flux from different reanalysis and hindcasts	Matias Alday	
			175	Wave Spectral Analysis for designing Wave Energy Converters	Jesus Portilla-Yandun	
			275	Long term wave load trends against offshore monopile structures: A case study in the Bay of Biscay	Nahia Martinez-Irimicastillo	
			279	Numerical modeling of wave and tidal current interactions and their impact on wave parameters	Tian Tan	
			205	On the errors in annual energy yield estimation due to monodirectional wave spectra assumption	Giuseppe Giorgi	
			305	Validation of ERA5 Wave Energy Flux through Sakoi diagram in Spain (2005-2014)	Alain Ulazia	
	Oteiza/ Economical, social, legal and political aspects of ocean energy	Pablo Ruiz-Minguela	154	Do recent renewable energy policy changes in Ireland satisfy the requirements of a nascent wave energy technology development sector?	Carrie Anne Barry	
			157	Integration of wave energy into Energy Systems: an insight to the system dynamics and ways forward	George Lavidas	
			306	Can Risk-Based Approaches benefit future Marine Renewable Energy deployment, planning and consenting processes?	Emma Verling	
			351	Towards increased social acceptability of marine renewable energy	Niall P. Dunphy	
			362	Environmental Effects of MRE: Advancing the Industry through Broad Outreach and Engagement	Deborah Rose	
Refreshments, networking & posters exhibition (Terrace and Chillida room)						
Oral presentations	Room /Track	Chairman	Paper ID	Title	Presenter	
	Baroja/ Wave device development and testing	Urko Izquierdo	453	The Impact of Uncertainty on the Control of a Multi-Axis Wave Energy Converter	Carrie Hall	
			531	Spectral control co-design of wave energy converter array layout	Yeral Peña-Sanchez	
			548	A new seawater low-head turbine for the OBREC	Sara Russo	
			549	Experimental investigation on the hydrodynamic performance of a pile-supported OWC-type breakwater	Yusuf Almaliki	
			661	Weight Reduction Methodologies for Wave Energy Devices: A Structural Analysis Approach	Michael O'Shea	
			170	Wave Excitation Tests on a Fixed Sphere: Comparison of Physical Wave Basin Setups	Jacob Andersen	
	Laboa/ Grid integration, power take-off and control	Eider Robles	215	Wave Farms Integration in a 100% renewable isolated small power system: frequency stability and grid compliance analysis	Marcos Blanco	
			309	Wave-to-Wire Control of an Oscillating Water Column Wave Energy System Equipped with a Wells Turbine	Marco Rosati	
			510	Maximizing Wave Energy Converter Power Extraction by Utilizing a Variable Negative Stiffness Magnetic Spring	Carlos Michelen	
			561	Development of control strategies for novel systems of a full scale OWC for the WEDUSEA project	James Kelly	
			346	Enhancing energy system resilience using tidal stream energy	Danny Coles	
			551	Analysis of Ocean Energy Integration in Ibero-American Electric Grids	Marcos Lafoz	
	Arriaga/ Wave resource characterization	Jesús M. Blanco	529	Impact of Resource Uncertainties on the Design of Wave Energy Converters	Markel Peñaalba	
			539	Discussions on Wave energy period in higher wave energy potential marine waters of Taiwan	Shiaw-Yih Tzang	
			159	Internal waves: A potentially untapped marine energy resource	Kastubha Raghukumar	
			197	Feasibility of wave energy harvesting in the Ligurian Sea	Manuel Alejandro Corrales-González	
			378	Identification of optimal sites for the deployment of wave energy converters: the importance of a technology-centred approach	Riccardo Novo	
	Oteiza/ Economical, social, legal and political aspects of ocean energy	Yago Torre-Enciso	399	Techno-economic optimization of an offshore hybrid power system: Argentine Basin case study	Sarah Palmer	
			452	Ensuring Resilience in Ocean Energy Power Plants: A Survey of Cybersecurity Measures	Thaila Nazare	
			340	On the complementarity of wave, tidal, wind and solar resources in Ireland	Halfiz Ashan Said	
			335	A Comparison of the European Regulatory Framework for the deployment of Wave Energy Converters	Claudio Moscoloni	
			507	Ocean Energy: Markets – Currency – Impact. Dimension of & Choices in the Technology Development Space	Jochem Weber	
			397	Informing development of a socioeconomic data collection toolkit for marine energy: a literature review	Deborah Rose	
Lunch & posters exhibition (Terrace and Chillida room)						
Oral presentations	Room /Track	Chairman	Paper ID	Title	Presenter	
	Baroja/ Wave device development and testing	Tony Lewis	350	Performance enhancement of pitching WECs via oscillating water columns technology	Marco Fontana	
			357	Numerical investigation of the energy performance of a wave energy converter comprising a multi-body power take-off	Félix Elefant	
			395	Hybrid wind-wave systems: The case of the VoltumUS-S semi-submersible platform	Maximilian Hengstmann	
			439	Analysis of the viability of a radial Double Decker Turbine for application in Oscillating Water Column devices	Aitor Vega-Valladares	
			445	An Early Design Phase Method for Characterizing and Comparing Wave Energy Converter Archetypes	Aeron Roach	
	Arriaga/ Wave resource characterization	Jose L. Villate	564	Upsampling wave temporal resolution: Investigating wave parameters and the influence on WEC power performance	Hannah Mankie	
			619	On spatial interpolation of ocean energy source variables: A comparative analysis	Leonardo Gambarelli	
			475	The application of temporal gating in the measurement of response amplitude operators	Natalia Sergienko	
			310	Analysis of the impact of flatter interactions on the power extraction of a dense WEC array with adaptable nonlinear PTO	Alva Bechlenberg	
			483	New design options for the improvement of the Mutriku power plant	Urko Izquierdo	
	Oteiza/ Economical, social, legal and political aspects of ocean energy	Jochem Weber	223	Using human-centered design to develop a national research landscape for marine energy in the United States	Samantha Quinn	
			385	Choosing Wave Energy Devices for Community Led Marine Energy Development	Molly Gear	
			388	A Socioeconomic, Environmental, and Regulatory Assessment for Current Energy Converter Technologies	Jonathan Colby	
			413	Floating wind and wave energy technologies: applications, synergies and role in decarbonization in Portugal	Craig White	
			436	Wave energy communication and social opposition: can we improve perception of ocean energy development projects?	Maria C. Uyarra	
Closing ceremony	Mixelena Auditorium	Iñigo Ansola	Chair EVE (Basque Agency for Energy)	15:40-15:45		
		Irene Penesis	ICOE 2024 Melbourne (Australia)	15:45-15:50		
		AbuBakr Bahaj	PRIMaRE 2024 Southampton (UK)	15:50-15:55		
		Bruce Cameron	PAMEC 2024 Barranquilla (Colombia)	15:55-16:00		
		C H Jo	AWTEC 2024 Busan (Korea)	16:00-16:05		
		Luis Gato	EWTEC 2025 Madeira (Portugal)	16:05-16:10		
	Cameron Johnstone	EWTEC Executive Board	16:10-16:15			
Social programme	Technical visits:  Option 1: MUTRIKU  Option 2: BIMEP					
Technical programme	(Executive Board Meeting and Dinner)					