

Thursday September 7								
Registration (Main Hall)						08:00-09:00		
	Room /Track	Chairman	Paper ID	Title	Presenter			
Oral presentations	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	09:00-09:15		
			493	Optimisation of Air turbines for OWC Wave Energy Converters: Sensitivity of Realistic Wave Climates	Andar Zarketa-Astigarra	09:15-09:30		
			500	Integrated hydrodynamic-electrical hardware model for wave energy conversion with M4 ocean demonstrator	Judith Apsley	09:30-09:45		
			409	On data-based control-oriented modelling applications in wave energy systems	Edoardo Pasta	09:45-10:00		
			592	The Performance evaluation of 30kW class OWC wave power plant integrated with a breakerwater	Kilwom Kim	10:00-10:15		
			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	10:15-10:30		
	Arriaga/ Wave resource characterization	Pasquale Contestabile	140	Analysis of the North Atlantic offshore energy flux from different reanalyses and hindcasts	Matias Alday	09:00-09:15		
			175	Wave Spectral Analysis for designing Wave Energy Converters	Jesus Portilla-Yandun	09:15-09:30		
			275	Long term wave load trends against offshore monopile structures: A case study in the Bay of Biscay	Nahia Martínez-Iruicastillo	09:30-09:45		
			279	Numerical modelling of wave and tidal current interactions and their impact on wave converters	Tian Tan	09:45-10:00		
			205	On the errors in annual energy yield estimation due to monodirectional wave spectra assumption	Giulia Cervelli	10:00-10:15		
			305	Validation of ERA5 Wave Energy Flux through Sailor diagram in Spain (2005-2014)	Jon Saenz	10:15-10:30		
	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	09:00-09:15		
			157	Integration of wave energy into Energy Systems: an insight to the system dynamics and ways forward	George Lavidas	09:15-09:30		
			306	Can Risk-Based Approaches benefit future Marine Renewable Energy deployment, planning and consenting processes?	Emma Verling	09:30-09:45		
			351	Towards increased social acceptability of marine renewable energy	Niall P. Dunphy	09:45-10:00		
			362	Environmental Effects of MRE: Advancing the Industry through Broad Outreach and Engagement	Mikaela Freeman	10:00-10:15		
			397	Informing development of a socioeconomic data collection toolkit for marine energy: a literature review	Deborah Rose	10:15-10:30		
	Refreshments, networking & posters exhibition (Terrace and Chillida room)						10:30-11:00	
Oral presentations	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	11:00-11:15		
			531	Spectral control co-design of wave energy converter array layout	Yeraí Peña-Sánchez	11:15-11:30		
			548	A new seawater low-head turbine for the OBREC	Pasquale Contestabile	11:30-11:45		
			549	An experimental investigation on the hydrodynamic performance of a pile-supported OWC-type breakerwater	Yusuf Almaki	11:45-12:00		
			661	Weight Reduction Methodologies for Wave Energy Devices: A Structural Analysis Approach	Michael O'Shea	12:00-12:15		
			170	Wave Excitation Tests on a Fixed Sphere: Comparison of Physical Wave Basin Setups	Jacob Andersen	12:15-12:30		
	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	11:00-11:15		
			309	Wave-to-Wire Control of an Oscillating Water Column Wave Energy System Equipped with a Wells Turbine	Marco Rosati	11:15-11:30		
			510	Maximizing Wave Energy Converter Power Extraction by Utilizing a Variable Negative Stiffness Magnetic Spring	Jeff T. Grasberger	11:30-11:45		
			561	Development of control strategies for novel systems of a full scale OWC for the WEDUSEA project	James Kelly	11:45-12:00		
			346	Enhancing energy system resilience using tidal stream energy	Danny Coles	12:00-12:15		
			551	Analysis of Ocean Energy Integration in Ibero-American Electric Grids	Marcos Lafoz	12:15-12:30		
	Arriaga/ Wave resource characterization	Jesús M. Blanco	529	Impact of Resource Uncertainties on the Design of Wave Energy Converters	Markel PeñaItza	11:00-11:15		
			539	Discussions on Wave energy period in higher wave energy potential marine waters of Taiwan	Shiaw-Yih Tang	11:15-11:30		
			159	Internal waves: A potentially untapped marine energy resource	Kastubha Raghumkar	11:30-11:45		
			197	Feasibility of wave energy harvesting in the Ligurian Sea	Manuel Alejandro Corrales-González	11:45-12:00		
			378	Identification of optimal sites for the deployment of wave energy converters: the importance of a technology-centred approach	Ricardo Novo	12:00-12:15		
			558	Operating and Extreme weather conditions for testing Offshore Devices at Marine Renewable Energy Lab (MARELab)	Pasquale Contestabile	12:15-12:30		
	Oteiza/ Economical, social, legal and political aspects of ocean energy	Yago Torre-Enciso	398	Techno-economic analysis of marine hybrid clusters in two potential Latin American markets	Emilian Gorr-Pozzi	11:00-11:15		
			399	Techno-economic optimization of an offshore hybrid power system: Argentine Basin case study	Sarah Palmer	11:15-11:30		
			452	Ensuring Resilience in Ocean Energy Power Plants: A Survey of Cybersecurity Measures	Thalita Nazare	11:30-11:45		
			340	On the complementarity of wave, tidal, wind and solar resources in Ireland	Hafiz Ashan Said	11:45-12:00		
			335	A Comparison of the European Regulatory Framework for the deployment of Wave Energy Converters	Claudio Moscoloni	12:00-12:15		
			507	Ocean Energy: Markets – Currency – Impact. Dimension of & Choices in the Technology Development Space	Jochem Weber	12:15-12:30		
			Lunch & posters exhibition (Terrace and Chillida room)					
Oral presentations			Baroja/ Wave device development and testing	Tony Lewis	350	Performance enhancement of pitching WECs via oscillating water columns technology	Marco Fontana	14:00-14:15
	357	Numerical investigation of the energy performance of a wave energy converter comprising a multi-body power take-off			Félix Elefant	14:15-14:30		
	395	Hybrid wind-wave systems: The case of the VoltumUS-S semi-submersible platform			Maximilian Hengstmann	14:30-14:45		
	439	Analysis of the viability of a radial Double Decker Turbine for application in Oscillating Water Column devices			Alto Vega-Valladares	14:45-15:00		
	445	An Early Design Phase Method for Characterizing and Comparing Wave Energy Converter Archetypes			Aeron Roach	15:00-15:15		
							15:15-15:30	
	Arriaga/ Wave resource characterization	Jose L. Villate	564	Upsampling wave temporal resolution: Investigating wave parameters and the influence on WEC power performance	Hannah Mankie	14:00-14:15		
			619	On spatial interpolation of ocean energy source variables: A comparative analysis	Leonardo Gambarelli	14:15-14:30		
			475	The application of temporal gating in the measurement of response amplitude operators	Natalia Sergienko	14:30-14:45		
			310	Analysis of the impact of flatter interactions on the power extraction of a dense WEC array with adaptable nonlinear PTO	Alva Bechlenberg	14:45-15:00		
			483	New design options for the improvement of the Murku power plant	Urko Izquierdo	15:00-15:15		
							15:15-15:30	
	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	14:00-14:15		
			385	Choosing Wave Energy Devices for Community Led Marine Energy Development	Molly Gear	14:15-14:30		
			388	A Socioeconomic, Environmental, and Regulatory Assessment for Current Energy Converter Technologies	Jonathan Colby	14:30-14:45		
			413	Floating wind and wave energy technologies: applications, synergies and role in decarbonization in Portugal	Craig White	14:45-15:00		
			436	Wave energy communication and social opposition: can we improve perception of ocean energy development projects?	Maria C. Uyarra	15:00-15:15		
	Closing ceremony	Mixelena Auditorium	Itziigo 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 Hangzhou (China)	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					16:30-20:30		
Technical programme	(Executive Board Meeting and Dinner)					21:00-22:30		