

Thursday September 7						
Registration (Main Hall)						
08:00-09:00						
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		Andar 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 breaker		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 Berque	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-Irujo
			279	Numerical modeling of wave and tidal current interactions and their impact on wave converters		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 Sailor 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		
10:30-11:00						
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-Sánchez
			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 breaker		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 Raghu Kumar
			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		Thailita Nazare
			340	On the complementarity of wave, tidal, wind and solar resources in Ireland		Hafiz 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
12:30-14:00						
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		Altur 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 floater 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 Murko 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	Ilhgo Ansola	Chair EVE (Basque Agency for Energy)	15:40-15:45	
Irene Penesis			IOOE 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					
	21:00-22:30					
Technical programme	(Executive Board Meeting and Dinner)					
21:00-22:30						