

Thursday September 7							
08:00-09:00	Registration (Main Hall)					08:00-09:00	
09:00-10:30	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	09:00-09:15
				493	Optimisation of Air turbines for OWC Wave Energy Converters: Sensitivity of Realistic Wave Climates	Ander 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 breakwater	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 reanalysis 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 Martinez-Irujo	09:30-09:45
				279	Numerical modeling of wave and tidal current interactions and their impact on wave parameters	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/ Economic, 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
		10:30-11:00	Refreshments, networking & posters exhibition (Terrace and Chillida room)				
11:00-12:30	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	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	Experimental investigation on the hydrodynamic performance of a pile-supported OWC-type breakwater	Yusuf Almaliki	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 Peñaiba	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 Raghukumar	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	Riccardo 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/ Economic, 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			Thaila 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		
12:30-14:00	Lunch & posters exhibition (Terrace and Chillida room)						12:30-14:00
14:00-15:30	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	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
				564	Upsampling wave temporal resolution: Investigating wave parameters and the influence on WECs	Hannah Mankie	15:15-15:30
		Arriaga/ Wave resource characterization	Jose L. Villate	619	On spatial interpolation of ocean energy source variables: A comparative analysis	Leonardo Gambarelli	14:00-14:15
				475	The application of temporal gating in the measurement of response amplitude operators	Natalia Sergienko	14:15-14:30
				310	Analysis of the impact of floater interactions on the power extraction of a dense WEC array in the United States	Alva Bechlenberg	14:30-14:45
				483	New design options for the improvement of the Mutriku power plant	Urko Izquierdo	14:45-15:00
				223	Using human-oriented design to develop a national research landscape for marine energy in the United States	Samantha Quinn	15:00-15:15
				385	Choosing Wave Energy Devices for Community Led Marine Energy Development	Molly Gear	15:15-15:30
		Oteiza/ Economic, social, legal and political aspects of ocean energy	Jochem Weber	388	A Socioeconomic, Environmental, and Regulatory Assessment for Current Energy Converter Technologies	Jonathan Colby	14:00-14:15
				413	Floating wind and wave energy technologies: applications, synergies and role in decarbonization in Portugal	Craig White	14:15-14:30
				436	Wave energy communication and social opposition: can we improve perception of ocean energy development projects?	Maria C. Uyarra	14:30-14:45
							14:45-15:00
							15:00-15:15
							15:15-15:30
15:40-16:15	Closing ceremony	Mixelena Auditorium	Ilhigo Ansoa	Chair EVE (Basque Agency for Energy)		15:40-15:45	
			Irene Penesis	IOOE 2024 Melbourne (Australia)		15:45-15:50	
			AbuBakr Bahaj	PRIMA'RE 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	
16:30-20:30	Social programme	Technical visits: Option 1: MUTRIKU Option 2: BIMEP					16:30-20:30
21:00-22:30	Technical programme	(Executive Board Meeting and Dinner)					21:00-22:30