

Monday September 4								
08:00-10:00	Registration (Main Hall)					08:00-10:00		
10:00-10:50	Opening Ceremony	Mixelena Auditorium	Jesús M. Blanco	Local Committee Chairman	10:00-10:10			
			Cameron Johnstone	EWTEC Executive Board Chair	10:10-10:20			
			Jose L. Villate	Local Committee Chairman	10:20-10:30			
			Gorka Moreno	Vicerector campus UPV/EHU	10:30-10:40			
			Arantxa Tapia	Basque Government	10:40-10:50			
11:00-12:20	Keynote lectures (Mixelena Auditorium)	Mixelena Auditorium	Iñigo Losada	IH-Cantabria	11:00-11:40			
			Andrew Scott	Orbital Marine Power	11:40-12:20			
12:20-12:30	JRL-ORE	Mixelena Auditorium	Eider Robles	JRL-ORE	12:20-12:30			
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 hydrodynamic modelling	Deborah Greaves	142	Numerical modelling of a box-type and bottom-detached oscillating water column wave energy conversion device: a comparison with experimental data and between BEM and CFD numerical modelling	Vaibhav Raghavan	14:00-14:15	
				192	Numerical and experimental studies of the effects of WEC motion on a combined wind-wave energy platform	Hong-Bhin Kim	14:15-14:30	
				265	Fast time-domain model for an array of interactive point-absorbers	Charitini Stavropoulou	14:30-14:45	
				163	A CFD-FEM analysis for Anaconda WEC with mooring lines	Yang Huang	14:45-15:00	
				153	CMP6 wave climate simulation in the European North East Atlantic Basin using WaveWatch III	Ponni Maya	15:00-15:15	
				558	Operating and Extreme weather conditions for testing Offshore Devices at Marine Renewable Energy Lab (MaRELab)	Sara Russo	15:15-15:30	
		Laboa/ Operations, maintenance and decommissioning	Gregorio Iglesias	259	Lubrication of offshore mechanical components: towards sustainable & reliable power production	Juan Guillermo Zapita Tamayo	14:00-14:15	
				535	SEASNAKE: Impact - Marine operations modelling for evidence-based results detailing the impact of using a new fully dynamic cable design for ocean energy devices	Ben Kennedy	14:15-14:30	
				262	Informing Early Design Decisions Through Functional Analysis of Maintenance Drivers: Applications in Marine Renewables	Nathan Algarra	14:30-14:45	
							14:45-15:00	
							15:00-15:15	
							15:15-15:30	
		Arriaga/ Structural mechanics - materials, fatigue, loadings	Claudio Lugni	181	Structural testing and numerical modelling of a glass fibre-reinforced composite demonstrator for turbine blades	Yadong Jiang	14:00-14:15	
				469	Anti-fouling and anticorrosive prevention with ceramic coatings on offshore structures for renewable energy	David Salvador Sanz Sanchez	14:15-14:30	
				389	Understanding the force motion trade off of rigid and hinged floating platforms for marine renewables*	Abel Aredondo-Galeana	14:30-14:45	
				147	Reducing the uncertainty of ULS load estimates in offshore structural design	Joao Cruz	14:45-15:00	
				222	Critical Feature and Seawater Testing of Cross-Flow Rotor Components Fabricated with Additive Manufacturing	Rob Cavanagh	15:00-15:15	
				267	Material characterization of elastomeric bearing elements in Wave Energy Converters*	Rimmie Duraisamy	15:15-15:30	
		Oteiza/ Grid integration, power take-off and control	John Ringwood	174	Experimental validation of rollout-based model predictive control for wave energy converters on a two-body, taut-moored point absorber prototype	Zechuan Lin	14:00-14:15	
				288	Control co-design and uncertainty analysis of the LUPA's PTO using WecOptTool	Carlos Michelen Strofer	14:15-14:30	
				396	Tidal barrage operation optimization using moment-based control	Agustina Skiarski	14:30-14:45	
				434	Laboratory Tests Assessment of a Mechanical Sensor-less MPPT Control Strategy for Tidal Turbines	Mohammad Rafei	14:45-15:00	
				590	Design considerations for a hybrid wind-wave platform under energy-maximising control	Maria Luisa Celesti	15:00-15:15	
				468	Wave Excitation Force Estimation for a Multi-DoF WEC via a Cubature Kalman Filter: Improved Design and Results	Paolino Tona	15:15-15:30	
		15:30-16:00	Refreshments, networking & posters exhibition (Terrace and Chillida room)					15:30-16:00
		16:00-17:30	Side events	Baroja/Side event 1	"Distributed Embedded Energy Conversion Technology (DEEC-Tec)" (by Wave Energy Scotland / NREL)			16:00-17:30
				Arriaga/Side event 2	"Morphing Blades: New-Concept Tidal and Wind Turbine Blades for Unsteady Load Mitigation" (by University of Edinburgh)			16:00-17:30
17:30-19:00	Oral presentations	Room /Track	Chairman	Paper ID	Title	Presenter		
		Baroja/ Wave hydrodynamic modelling	Markel Peñalba	152	An Experimental Study for Wave Energy Converter of Wavestar Type using Real-Time Hybrid Model Testing Technique	Yoon-Jin Ha	17:30-17:45	
				643	Demonstrating real-time hydrodynamic motion response in force control for regular waves in a robotized dry test rig with a point-absorber WEC	Dana Salar	17:45-18:00	
				534	Data-base Hydrodynamic Coefficients Interpolator for Control Co-Design of Wave Energy Converters	Yerai Peña-Sanchez	18:00-18:15	
				261	Review of TEAMER Awards for WEC-Sim Support	Adam Keester	18:15-18:30	
				182	Performance Enhancement of Fluidic Diode for a Wave Energy System through Genetic Algorithm	Emeel Kerikous	18:30-18:45	
				272	Parametric resonance: a risk to be avoided or an opportunity to be exploited? A case for a 2:1 wave energy converter	Giuseppe Giorgi	18:45-19:00	
		Laboa/ Station-keeping, moorings and foundations	Iñaki Zabala	344	Control synthesis via Impedance-Matching in panchromatic conditions: a generalised framework for moored systems	Bruno Paduano	17:30-17:45	
				582	Hydrodynamic Response of Mocean Wave Energy Converter in Extreme Waves	Vengatesan Venugopal	17:45-18:00	
				427	The Dynamic response of floating offshore renewable energy devices: Sensitivity to mooring rope stiffness	Katie Smith	18:00-18:15	
				485	Experimental measurements of two elastic taut-slack mooring configurations for the multi-float M4 WEC	Samuel Draycott	18:15-18:30	
							18:30-18:45	
							18:45-19:00	
		Arriaga/ Structural mechanics - materials, fatigue, loadings	Vincenzo Nava	410	Fatigue-life prediction methods of a dynamic power cable for a floating testing platform - a numerical approach	Daniela Benites-Munoz	17:30-17:45	
				419	Beta-version Testing and Demonstration of the Design Load Case Generator: A Web-based Tool to Support IEC 62600-2 Standard Design Load Case Analyses	Carlos Michelen	17:45-18:00	
				490	Fatigue Life Assessment for Wave Energy Converter Mooring Lines under Realistic Wave Climates	Eguzkiñe Martínez	18:00-18:15	
				584	Numerical Study on Overlapping Performance of Multi-stage Overlapping Wave Energy Converters	Guoliang Zhang	18:15-18:30	
				273	A Numerical study on the effect of solidity on the performance of Transverse Axis Crossflow Tidal Turbines	Rónán Gallagher	18:30-18:45	
				617	Leveraging Explainable Artificial Intelligence for Real-time Detection of Tidal Blade Damage*	Muslim Jameel Syed	18:45-19:00	
		Oteiza/ Grid integration, power take-off and control	Jon Lekube	207	A comparison of AC and DC collection grids for marine current energy	Christoffer Fjellstedt	17:30-17:45	
				315	Power quality assessment of a wave energy converter using energy storage	Md Imran Ullah	17:45-18:00	
552	Dimensioning and optimization of multi-source offshore renewable energy parks			Anton Schaap	18:00-18:15			
308	A novel proposal of PTO direct-drive linear generator, an Azimuthal Multi-translator Switched Reluctance Machine (AMSRM): mechanical, characterization and performance tests.			Jorge Nájera	18:15-18:30			
375	Observer-Based Fault Estimation Applied to a Point Absorber Wave Energy Converter			Guglielmo Papini	18:30-18:45			
394	Control of multiple PTOs in single OWC's air chambers			Juan Portillo	18:45-19:00			
20:00-22:00	Social programme	Pintxos Route				20:00-22:00		