

			Wed	nesday September 6		
-09:00				Registration (Main Hall)		
	Room /Track	Chairman	Paper ID	Title	Presenter	
			291	Simulations of extreme wave load on an oscillating water column wave energy converter	Nhu Nguyen	
	Baroja/	Martyn Hann	298 393	On the survivability of WECs through submergence and passive controllers A probabilistic framework for fatigue damage of lift based wave energy converters	Elie Al Shami Abel Arredondo-Galeana	
	Wave device development and testing		382	Preliminary design of an OWC wave energy converter battery charger	D.N. Ferreira	
			540	Development & performance enhancement of an AUV wave-charging system A methodology to measure the energy flux captured by a submerged U-OWC by using	Brian Rosenberg	
		Gustavo Esteban	550 137	temperature sensors CFD analysis of hydrodynamic force on a horizontal axis tidal turbine	Luana Gumari Kai Xu	
			150	Dynamic Responses of a 1:5-Scale Ocean Current Energy Converter	Shun-Han Yang	
	Laboa/ Tidal device development		328	The Development of a passive blade-pitch mechanism to reduce the loads on a tidal turbine in high-flow conditions	Thomas Summers	
	and testing		348 400	Effects of non-isotropic blockage on a tidal turbine modeled with the Actuator-Line method Intracycle Control Sensitivity of Cross-Flow Turbines	Enzo Mascrier Ari Athair	
Oral presentatio	ne		402	Development of an Unmanned Mobile Current Turbine Platform	Manhar Dhanak	
:30 presentatio	Arriaga/	Cameron Johnstone	258	Validation of the energy resource assessment with experimental data for the site selection of a tidal turbine in the Tagus River estuary.	Bénédicte Hoofd	
			302 457	On tidal array layout sensitivity to regional and device model representation Resource assessment using a combination of seabed mounted and semi-stationary vessel-	Connor Jordan Larissa Perez	
	Tidal resource characterization		228	mounted ADCP measurements Measurements of tidal flow variability in Ramsey Sound, Pembrokeshire	Jon Miles	
			171	Investigation of Low Order Parameters Affecting Tidal Stream Energy Resource Assessments	Misha Patel	
			178 187	Mapping the Unresolved Tidal Resource in Estuaries Acoustic Characterization around the CalWave Wave Energy Converter	Matt Lewis Kaustubha Raghukumar	
		Juan Bald	214	A conditional probabilistic encounter-impact model for fish-turbine interactions	Jezella Peraza	
	Oteiza/EIA		220	Siting tidal energy projects through resource characterization and environmental considerations	Andrea Copping	
			623 221	Automated detection of wildlife in proximity to marine renewable energy infrastructure using machine learning of underwater imagery Choose Your Own Marine Energy Adventure Game: Collision Risk	Mckenzie Love Lenaig Hemery	
			284	Measurements of the wake from a floating tidal energy platform	Maricarmen Guerra Paris	
11:00			_	posters exhibition (Terrace and Chillida room)		
	Room /Track	Chairman	Paper ID	Title Biofilm prevention in the generator of a direct drive wave energy converter	Presenter Nick Baker	
			330	Hydro-elastic interaction of polymer materials with regular waves	Krishnendu Puzhukkil	
	Baroja/ Wave device development	Jochen Weber	380	Degrees of Freedom Effects on a Laboratory Scale WEC Point Absorber	Courtney Beringer	
0ral presentations	and testing		155 211	Effects of projected wave climate changes on the sizing and performance of OWCs: a focus on the Mediterranean and Atlantic European coastal waters A multi-PTO Wave Energy Converter for Low Energetic Seas: Ensenada Bay Case.	Irene Simonetti Paulino Meneses Gonzalez	
			216	Graphene oxide reinforced room-temperature-vulcanising elastomers for flexible wave energy converters	Xinyu Wang	
		lñigo Bidaguren	418	Design, Manufacture and Testing of an Open-Source Benchmark Composite Hydrokinetic Turbine Blade	Miguel Gonzale-Montijo	
	Laboa/		456	Wake characterization of tidal turbines in the Pentland Firth using vessel-mounted ADCP measurements	Marion Huchet S.W. Tucker Harvey	
	Tidal device development and testing		553 574	Tidal Turbine Benchmarking Project: Stage I - Steady Flow Experiments Tidal Turbine Benchmarking Project: Stage I - Steady Flow Blind Predictions	R.H.J. Wilden	
			567	On the design of a small scale tidal converter for long time deployment at sea	Damiano Alizzio	
			323	Influence of the spatial variation of upstream velocity on a vertical-axis tidal turbine	Lilia Flores Mateo	
	Arriaga/ Tidal resource characterization	Vincenzo Nava	339	performance Tracking a large vortex at a tidal power site	Philippe Mercier	
			577	Overview of Resource and Turbine Modelling in the Tidal Stream Industry Energiser project: TIGER	Edward MacKay	
			165 296	Evaluating the performance of turbulence closure models for tidal stream resource characterization	Zhaoqing Yang Patxi Garcia Novo	
			299	Tidal turbine wake characterization by vessel-mounted ADCP data analysis Estimation and characterisation of the wave-induced turbulent kinetic energy and turbulent dissipation from ADCP data	Clément Calvino	
14:00			Lunci	h & posters exhibition		
14.00	Room /Track	Chairman	(Terra	ce and Chillida room) Title	Presenter	
	Room/Track	Chairman	263	A Dual Hardware-in-the-Loop (DHIL) platform for testing and validation of WEC subsystems	Giacomo Alessandri	
			430	Hardware-in-the-loop testing framework for active accumulator wave energy converters	Chen Zeng	
	Baroja/ Wave device development and testing Arriaga/	Iñigo Albaina	354 481	Multi wave absorber platform design, modelling and testing: Investigating the integration of multiple wave energy absorbers into a floating offshore wind platform considering a future Analysis of data from the full-scale prototype testing of the WASP – A novel wave measuring	Nial McLean Brendan Walsh	
			484	buoy. Open Sea Trial of a Wave-Energy Converter at Tuticorin Port – Challenges	Abdus Samad	
			576	Test rig for submerged transmissions in wave energy converters as a development tool for dynamic sealing systems	Anthon Jonsson	
		Luke Blunden	390 428	Turbine fatigue load prediction from field measurements of waves and turbulence Development of a Tool to Optimise Tidal Stream Energy Sites	Hannah Mullings Paul Evans	
15:30 Oral presentatio			432	Principles of ADCP deployment methodologies	Penny Jeffcoate	
p. 250matio	Tidal resource characterization		467	Assessing wave-turbulence separation from ADCP measurements with artifical flow data	Michael Togneri	
			478 563	Multi-criteria analysis to evaluate tidal energy potential in France Improved Modelling of Vertical Velocity Profiles at a Tidal Energy Site	Florian Castillo Lilli Enders	
	On local	Andrea Copping	303	SafeWAVE The contribution of the SafeWAVE EU project to the future development of ocean energy	Juan Bald	
			326	ITSASDRONE, an autonomous marine surface drone for fish monitoring around wave energy devices	Ainhize Uriarte	
	Oteiza/ Environemental impact		600 374	Empowering communities to participate in marine energy planning and development Assessing the effect of onshore and offshore Wave Energy Converters on seafloor integrity	Grace Chang	
	and appraisal		554	combining image-based and acoustic methods Effects of the spacing between two hydrokinetic turbines on the bedforms by numerical simulations	Iñigo Muxika Fatima Khaled	
0-16:00			675	Underwater noise impact assessment of a wave energy converter in the northern Atlantic (Spain)	José Antonio García	
10:00		Refreshments, ne	tworking & p	posters exhibition (Terrace and Chillida room)		
10-17:30 Side events	Mitxelena/Side event 7	"SUPPORTING THE FUTURE OF OCEAN ENERGY HERE AND NOW: A GLIMPSE OF BASQUE PUBLIC INITIATIVES TO FOSTE SECTOR SCALE-UP" (by EVE) Wave Energy Converter Simulator (WEC-Sim) (by SANDIA LABWEC-SIM TEAM-)				
	Arriaga/Side event 9	"Instrumentation Instrumentation for Environmental Monitoring around Marine Energy Devices" (by Coastal Science Division-PNNL and WavEC)				
-22:00 Social programm		Gala Dinner (Atrium of the Guggenheim Museum)				