

	Wednesday September 6													
08:00-09:00	Registration (Main Hall)						08:00-09:00							
		Room /Track	Chairman	Paper ID	Title	Presenter								
	Baroja/ Wave device development and testing	Martyn Hann	291	Simulations of extreme wave load on an oscillating water column wave energy converter	Nhu Nguyen	09:00-09:15								
298			On the survivability of WECs through submergence and passive controllers	Elie Al Shami	09:15-09:30									
393			A probabilistic framework for fatigue damage of lift based wave energy converters	Abel Arredondo-Galeana	09:30-09:45									
382			Preliminary design of an OWC wave energy converter battery charger	D.N. Ferreira	09:45-10:00									
540			Development & performance enhancement of an AUV wave-charging system	Brian Rosenberg	10:00-10:15									
550			A methodology to measure the energy flux captured by a submerged U-OWC by using temperature sensors	Luana Gumari	10:15-10:30									
Laboa/ Tidal device development and testing			Gustavo Esteban	137	CFD analysis of hydrodynamic force on a horizontal axis tidal turbine	Kai Xu	09:00-09:15							
				150	Dynamic Responses of a 1.5-Scale Ocean Current Energy Converter	Shun-Han Yang	09:15-09:30							
				328	The Development of a passive blade-pitch mechanism to reduce the loads on a tidal turbine in high-flow conditions	Thomas Summers	09:30-09:45							
				348	Effects of non-isotropic blockage on a tidal turbine modeled with the Actuator-Line method	Enzo Mascrier	09:45-10:00							
	400	Intracycle Control Sensitivity of Cross-Flow Turbines		Ari Athair	10:00-10:15									
Arriaga/ Tidal resource characterization	Cameron Johnstone	402	Development of an Unmanned Mobile Current Turbine Platform	Manhar Dhanak	10:15-10:30									
		258	Validation of the energy resource assessment with experimental data for the site selection of a tidal turbine in the Tagus River estuary	B��d��dice Hoofd	09:00-09:15									
		302	On tidal array layout sensitivity to regional and device model representation	Connor Jordan	09:15-09:30									
		457	Resource assessment using a combination of seabed mounted and semi-stationary vessel-mounted ADCP measurements	Larissa Perez	09:30-09:45									
		228	Measurements of tidal flow variability in Ramsey Sound, Pembroke-shire	Jon Miles	09:45-10:00									
		171	Investigation of Low Order Parameters Affecting Tidal Stream Energy Resource Assessments	Misha Patel	10:00-10:15									
		178	Mapping the Unexploited Tidal Resource in Estuaries	Matt Lewis	10:15-10:30									
		187	Acoustic Characterization around the CalWave Wave Energy Converter	Kaustubha Raghukumar	09:00-09:15									
		214	A conditional probabilistic encounter-impact model for fish-turbine interactions	Jezella Peraza	09:15-09:30									
		Oteiza/EIA	Juan Bald	220	Siting tidal energy projects through resource characterization and environmental considerations	Andrea Copping	09:30-09:45							
623	Automated detection of wildlife in proximity to marine renewable energy infrastructure using machine learning of underwater imagery			Mckenzie Love	09:45-10:00									
221	Choose Your Own Marine Energy Adventure Game: Collision Risk			Lenaig Hemery	10:00-10:15									
284	Measurements of the wake from a floating tidal energy platform			Maricarmen Guerra Paris	10:15-10:30									
10:30-11:00	Refreshments, networking & posters exhibition (Terrace and Chillida room)						10:30-11:00							
11:00-12:30	Oral presentations	Room /Track	Chairman	Paper ID	Title	Presenter								
							Baroja/ Wave device development and testing	Jochen Weber	270	Biofilm prevention in the generator of a direct drive wave energy converter	Nick Baker	11:00-11:15		
									330	Hydro-elastic interaction of polymer materials with regular waves	Krishnendu Puzhukkil	11:15-11:30		
									380	Degrees of Freedom Effects on a Laboratory Scale WEC Point Absorber	Courtney Beringer	11:30-11:45		
									155	Effects of projected wave climate changes on the sizing and performance of OWCs: a focus on the Mediterranean and Atlantic European coastal waters	Irene Simonetti	11:45-12:00		
									211	A multi-PTO Wave Energy Converter for Low Energetic Seas: Ensenada Bay Case	Paulino Meneses Gonzalez	12:00-12:15		
									216	Graphene oxide reinforced room-temperature-vulcanising elastomers for flexible wave energy converters	Xinyu Wang	12:15-12:30		
							Laboa/ Tidal device development and testing	I��igo Bidaguren	418	Design, Manufacture and Testing of an Open-Source Benchmark Composite Hydrokinetic Turbine Blade	Miguel Gonz��lez-Montijo	11:00-11:15		
									456	Wake characterization of tidal turbines in the Pentland Firth using vessel-mounted ADCP measurements	Marion Huchet	11:15-11:30		
									553	Tidal Turbine Benchmarking Project: Stage I - Steady Flow Experiments	S.W. Tucker Harvey	11:30-11:45		
									574	Tidal Turbine Benchmarking Project: Stage I - Steady Flow Blind Predictions	R.H.J. Wilden	11:45-12:00		
									567	On the design of a small scale tidal converter for long time deployment at sea	Damiano Allizzio	12:00-12:15		
							Arriaga/ Tidal resource characterization	Vincenzo Nava	323	Influence of the spatial variation of upstream velocity on a vertical-axis tidal turbine performance	Lilia Flores Mateo	11:00-11:15		
									339	Tracking a large vortex at a tidal power site	Philippe Mercier	11:15-11:30		
									577	Overview of Resource and Turbine Modeling in the Tidal Stream Industry Engineer project: TIDER	Edward MacKay	11:30-11:45		
									165	Evaluating the performance of turbulence closure models for tidal stream resource characterization	Zhaoying Yang	11:45-12:00		
									296	Tidal turbine wake characterization by vessel-mounted ADCP data analysis	Patxi Garcia Novo	12:00-12:15		
									299	Estimation and characterisation of the wave-induced turbulent kinetic energy and turbulent dissipation from ADCP data	Cl��ment Calvino	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	I��igo Albaina	263	A Dual Hardware-in-the-Loop (DHIL) platform for testing and validation of WEC subsystems	Giacomo Alessandri	14:00-14:15		
									430	Hardware-in-the-loop testing framework for active accumulator wave energy converters	Chen Zeng	14:15-14:30		
									354	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	Nial McLean	14:30-14:45		
									481	Analysis of data from the full-scale prototype testing of the WASP - A novel wave measuring buoy	Brendan Walsh	14:45-15:00		
									484	Open Sea Trial of a Wave-Energy Converter at Tuticorn Port - Challenges	Abdus Samad	15:00-15:15		
							Arriaga/ Tidal resource characterization	Luke Blunden	576	Test rig for submerged transmissions in wave energy converters as a development tool for dynamic sealing systems	Anthon Jonsson	15:15-15:30		
									390	Turbine fatigue load prediction from field measurements of waves and turbulence	Hannah Mullings	14:00-14:15		
									428	Development of a Tool to Optimise Tidal Stream Energy Sites	Paul Evans	14:15-14:30		
									432	Principles of ADCP deployment methodologies	Penny Jeffcoat	14:30-14:45		
									467	Assessing wave-turbulence separation from ADCP measurements with artificial flow data	Michael Togneri	14:45-15:00		
							Oteiza/ Environmental impact and appraisal	Andrea Copping	478	Multi-criteria analysis to evaluate tidal energy potential in France	Florian Castillo	15:00-15:15		
									563	Improved Modelling of Vertical Velocity Profiles at a Tidal Energy Site	Lilli Enders	15:15-15:30		
									303	SafeWAVE: The contribution of the SafeWAVE EU project to the future development of ocean energy	Juan Bald	14:00-14:15		
									326	ITSADROONE, an autonomous marine surface drone for fish monitoring around wave energy devices	Ainh��ze Uriarte	14:15-14:30		
									600	Empowering communities to participate in marine energy planning and development	Grace Chang	14:30-14:45		
							15:30-16:00	Refreshments, networking & posters exhibition (Terrace and Chillida room)						15:30-16:00
								Side events	Mixelena/Side event 7	"SUPPORTING THE FUTURE OF OCEAN ENERGY HERE AND NOW: A GLIMPSE OF BASQUE PUBLIC INITIATIVES TO FOSTER SECTOR SCALE-UP" (by EVE)				16:00-17:30
									Baroja/Side event 8	Wave Energy Converter Simulator (WEC-Sim) (by SANDIA LAB. -WEC-SIM TEAM-)				16:00-17:30
Arriaga/Side event 9	"Instrumentation Instrumentation for Environmental Monitoring around Marine Energy Devices" (by Coastal Science Division-PNNL and WaveC)				16:00-17:30									
20:00-22:00	Social programme	Gala Dinner (Atrium of the Guggenheim Museum)					20:00-22:00							