

Wednesday September 6							
Registration (Main Hall)						08:00-09:00	
Oral presentations	Room /Track	Chairman	Paper ID	Title	Presenter		
	Baroja/ Wave device development and testing	Gareth Tomas	291	Simulations of extreme wave load on an oscillating water column wave energy converter	Chris Chartrand	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	
	Laboa/ Tidal device development and testing	Gustavo Esteban	550	A methodology to measure the energy flux captured by a submerged U-OWC by using temperature sensors	Luana Gurnari	10:15-10:30	
			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	
	Arriaga/ Tidal resource characterization	Cameron Johnstone	400	Intracycle Control Sensitivity of Cross-Flow Turbines	Ari Athair	10:00-10:15	
			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 Tago River estuary	Benedicte 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	Eloi Droniou	09:30-09:45	
	Oteiza/ Environmental impact and appraisal	Andrea Copping	228	Measurements of tidal flow variability in Ramsey Sound, Pembrokeshire	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 Unresolved 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	
	0	Refreshments, networking & posters exhibition (Terrace and Chillida room)					10:30-11:00
		Room /Track	Chairman	Paper ID	Title	Presenter	
		Baroja/ Wave device development and testing	Urko Izquierdo	270	Bottom 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	
Laboa/ Tidal device development and testing		Iñigo Bidaguren	216	Graphene oxide reinforced room-temperature-vulcanising elastomers for flexible wave energy converters	Xinyu Wang	12:15-12:30	
			418	Design, Manufacture and Testing of an Open-Source Benchmark Composite Hydrokinetic Turbine Blade	Miguel Gonzalez-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 1 - Steady Flow Experiments	S.W. Tucker Harvey	11:30-11:45	
			574	Tidal Turbine Benchmarking Project: Stage 1 - Steady Flow Blind Predictions	Xiaosheng Chen	11:45-12:00	
Arriaga/ Tidal resource characterization		Vincenzo Nava	567	On the design of a small scale tidal converter for long time deployment at sea	Marco Torresi	12:00-12:15	
			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 Modelling in the Tidal Stream Industry Energiser project: TIGER	Tim Stallard	11:30-11:45	
			165	Evaluating the performance of turbulence closure models for tidal stream resource characterization	Zhaoping Yang	11:45-12:00	
0		Lunch & posters exhibition (Terrace and Chillida room)					12:30-14:00
		Room /Track	Chairman	Paper ID	Title	Presenter	
		Baroja/ Wave device development and testing	Iñigo Albaina	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	Clément Calvino	12:15-12:30
				263	A Dual Hardware-in-the-Loop (DHL) 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 buoy	Nial McLean	14:30-14:45
		Arriaga/ Tidal resource characterization	Rodolfo Olvera-Trejo	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 Tutuom Port - Challenges	Abdus Samad	15:00-15:15	
	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	
	Oteiza/ Environmental impact and appraisal	Juan Bald	467	Assessing wave-turbulence separation from ADCP measurements with artificial flow data	Michael Tognari	14:30-14:45	
			478	Multi-criteria analysis to evaluate tidal energy potential in France	Jordi Serret	14:45-15:00	
			563	Improved Modelling of Vertical Velocity Profiles at a Tidal Energy Site	Lilli Enders	15:00-15:15	
			220	Siting tidal energy projects through resource characterization and environmental considerations	Andrea Copping	14:00-14:15	
			326	ITSASDRONE, an autonomous marine surface drone for fish monitoring around wave energy devices	Ainhize Uriarte	14:15-14:30	
	0	Refreshments, networking & posters exhibition (Terrace and Chillida room)					15:30-16:00
		Mitxelena/Side event 7	SafeWAVE project (by AZTI / WavEC)				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	Environmental monitoring for marine energy – instrumentation for devices and arrays (Ocean Energy Systems – Environmental and Pacific Northwest National Laboratory)				16:00-17:30
		Social programme	Gala Dinner (Atrium of the Guggenheim Museum)				20:00-22:00