

Wednesday September 6								
08:00-09:00	Registration (Main Hall)					08:00-09:00		
09:00-10:30	Oral presentations	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		
				298	On the survivability of WECs through submergence and passive controllers	Elie Al Shami		
				393	A probabilistic framework for fatigue damage of lift based wave energy converters	Abel Arredondo-Galeana		
				382	Preliminary design of an OWC wave energy converter battery charger	D.N. Ferreira		
				540	Development & performance enhancement of an AUV wave-charging system	Brian Rosenberg		
		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 Gumari		
				137	CFD analysis of hydrodynamic force on a horizontal axis tidal turbine	Kai Xu		
				150	Dynamic Responses of a 1:5-Scale Ocean Current Energy Converter	Shun-Han Yang		
				328	The Development of a passive blade-pitch mechanism to reduce the loads on a tidal turbine in high-flow conditions	Thomas Summers		
				348	Effects of non-isotropic blockage on a tidal turbine modeled with the Actuator-Line method	Enzo Mascrier		
		Arriaga/ Tidal resource characterization	Cameron Johnstone	400	Intracycle Control Sensitivity of Cross-Flow Turbines	Ari Athair		
				402	Development of an Unmanned Mobile Current Turbine Platform	Manhar Dhanak		
				258	Validation of the energy resource assessment with experimental data for the site selection of a tidal turbine in the Teagha River estuary	Benedicte Hood		
				302	On tidal array layout sensitivity to regional and device model representation	Connor Jordan		
				457	Resource assessment using a combination of seabed mounted and semi-stationary vessel-mounted ADCP measurements	Larissa Perez		
		Oteiza/ Environmental impact and appraisal	Andrea Copping	228	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	Mapping the Unresolved Tidal Resource in Estuaries	Matt Lewis		
				187	Acoustic Characterization around the CalWave Wave Energy Converter	Kaustubha Raghukumar		
				214	A conditional probabilistic encounter-impact model for fish-turbine interactions	Jezella Peraza		
		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	Urko Izquierdo	270	Biofilm prevention in the generator of a direct drive wave energy converter	Nick Baker
330	Hydro-elastic interaction of polymer materials with regular waves					Krishnendu Puzhukilli		
380	Degrees of Freedom Effects on a Laboratory Scale WEC Point Absorber					Courtney Beringer		
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		
211	A multi-PTO Wave Energy Converter for Low Energetic Seas: Ensenada Bay Case					Paulino Meneses Gonzalez		
Laboa/ Tidal device development and testing	Iñigo Bidaguren			216	Graphene oxide reinforced room-temperature-vulcanising elastomers for flexible wave energy converters	Xinyu Wang		
				418	Design, Manufacture and Testing of an Open-Source Benchmark Composite Hydrokinetic Turbine Blade	Miguel Gonzalez-Montijo		
				456	Wake characterization of tidal turbines in the Pentland Firth using vessel-mounted ADCP measurements	Marion Huchet		
				553	Tidal Turbine Benchmarking Project: Stage I - Steady Flow Experiments	S.W. Tucker Harvey		
				574	Tidal Turbine Benchmarking Project: Stage I - Steady Flow Blind Predictions	R.H.J. Wilden		
Arriaga/ Tidal resource characterization	Vincenzo Nava			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 performance	Lilia Flores Mateo		
				339	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		
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	Iñigo Albaina	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
						354	Multi wave absorber platform design, modelling and testing : Investigating the integration of m	Nial McLean
						481	Analysis of data from the full-scale prototype testing of the WASP - A novel wave measuring b	Brendan Walsh
						484	Open Sea Trial of a Wave-Energy Converter at Tuticorin Port - Challenges	Abdus Samad
				Arriaga/ Tidal resource characterization	Luke Blunden	576	Test rig for submerged transmissions in wave energy converters as a development tool for dyn	Anthony Jonsson
		390	Turbine fatigue load prediction from field measurements of waves and turbulence			Hannah Mullings		
		428	Development of a Tool to Optimise Tidal Stream Energy Sites			Paul Evans		
		432	Principles of ADCP deployment methodologies			Penny Jeffcoat		
		467	Assessing wave-turbulence separation from ADCP measurements with artificial flow data			Michael Togneri		
		Oteiza/ Environmental impact and appraisal	Juan Bald	478	Multi-criteria analysis to evaluate tidal energy potential in France	Florian Castillo		
				563	Improved Modelling of Vertical Velocity Profiles at a Tidal Energy Site	Lilli Enders		
				220	Siting tidal energy projects through resource characterization and environmental considerations	Andrea Copping		
				326	ITSASDRONE, an autonomous marine surface drone for fish monitoring around wave energy c	Ainhize Uriarte		
				600	Empowering communities to participate in marine energy planning and development	Grace Chang		
		15:30-16:00	Refreshments, networking & posters exhibition (Terrace and Chillida room)					15:30-16:00
		16:00-17:30	Side events	Mitxelena/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 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