

Wednesday September 6							
Registration (Main Hall)							
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	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		
			550	A methodology to measure the energy flux captured by a submerged U-OWC by using temperature sensors	Luana Gumari		
	Laboa/ Tidal device development and testing	Gustavo Esteban	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		
			400	Intracycle Control Sensitivity of Cross-Flow Turbines	Ari Althair		
			402	Development of an Unmanned Mobile Current Turbine Platform	Manhar Dhanak		
	Arriaga/ Tidal resource characterization	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 Hoodt		
			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		
			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		
	Oteiza/ Environmental impact and appraisal	Andrea Copping	187	Acoustic Characterization around the CalWave Wave Energy Converter	Kaustubha Raghukumar		
			214	A conditional probabilistic encounter-impact model for fish-turbine interactions	Jezella Peraza		
			303	SafeWAVE: The contribution of the SafeWAVE EU project to the future development of ocean energy	Juan Bald		
			623	Automated detection of wildlife in proximity to marine renewable energy infrastructure using machine learning of underwater imagery	David Gold		
			221	Choose Your Own Marine Energy Adventure Game: Collision Risk	Lenaig Hemery		
			284	Measurements of the wake from a floating tidal energy platform	Maricarmen Guerra Paris		
Refreshments, networking & posters exhibition (Terrace and Chillida room)							
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 Puzhukkil		
			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		
			216	Graphene oxide reinforced room-temperature-vulcanising elastomers for flexible wave energy converters	Xinyu Wang		
	Laboa/ Tidal device development and testing	Iñigo Bidaguren	418	Design, Manufacture and Testing of an Open-Source Benchmark Composite Hydrokinetic Turbine Blade	Miguel Gonzalez-Montijo		
			456	Wave 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		
			567	On the design of a small scale tidal converter for long time deployment at sea	Damiano Alizzio		
	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		
			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		
			165	Evaluating the performance of turbulence closure models for tidal stream resource characterization	Zhaogang Yang		
			296	Tidal turbine wake characterization by vessel-mounted ADCP data analysis	Patxi Garcia Novo		
			299	Estimation and characterisation of the wave-induced turbulent kinetic energy and turbulent dissipation from ADCP data	Clément Calvino		
	Lunch & posters exhibition (Terrace and Chillida room)						
	Oral presentations	Room /Track	Chairman	Paper ID	Title	Presenter	
		Baroja/ Wave device development and testing	Iñigo Albaina	263	A Dual Hardware-in-the-Loop (DHL) 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 multiple wave energy absorbers into a floating offshore wind platform considering a future wind and wave	Nial McLean	
				481	Analysis of data from the full-scale prototype testing of the WASP - A novel wave measuring buoy	Brendan Walsh	
484				Open Sea Trial of a Wave-Energy Converter at Tutcorin Port - Challenges	Abdus Samad		
576				Test rig for submerged transmissions in wave energy converters as a development tool for dynamic seals	Anthony Jonsson		
Arriaga/ Tidal resource characterization		Luke Blunden	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 Jeffcoate		
			467	Assessing wave-turbulence separation from ADCP measurements with artificial flow data	Michael Togneri		
			478	Multi-criteria analysis to evaluate tidal energy potential in France	Florian Castillo		
			563	Improved Modeling of Vertical Velocity Profiles at a Tidal Energy Site	Lilli Enders		
Oteiza/ Environmental impact and appraisal		Juan Bald	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 devices	Ainhize Uriarte		
			600	Empowering communities to participate in marine energy planning and development	Grace Chang		
			374	Assessing the effect of onshore and offshore Wave Energy Converters on seafloor integrity combining image-based and acoustic methods	Iñigo Muxika		
			554	Effects of the spacing between two hydrokinetic turbines on the bedforms by numerical simulations	Fatima Khaled		
			675	Underwater noise impact assessment of a wave energy converter in the northern Atlantic (Spain)	José Antonio García		
Refreshments, networking & posters exhibition (Terrace and Chillida room)							
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)				
		Baroja/Side event 8	Wave Energy Converter Simulator (WEC-Sim) (by SANDIA LAB. -WEC-SIM TEAM-)				
		Arriaga/Side event 9	"Instrumentation for Environmental Monitoring around Marine Energy Devices" (by Coastal Science Division-PNNL and WavEC)				
Social programme		Gala Dinner (Atrium of the Guggenheim Museum)					