

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
				550	A methodology to measure the energy flux captured by a submerged U-OWC by using temperature sensors	Luana Gurnari
		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 Athair
				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 Tanes 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
				228	Measurements of tidal flow variability in Ramsey Sound, Penobscot Bay	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 Raghumkar
				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
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 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	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
				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 Modeling in the Tidal Stream Industry Energiser project: TIGER	Edward MacKay
				165	Evaluating the performance of turbulence closure models for tidal stream resource characterization	Zhaoping 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
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 multiple devices	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 Tullibole Port – Challenges	Abdus Samad
				576	Testing rig for submerged transmissions in wave energy converters as a development tool for dynamic analysis	Anthon 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 Jeffcoat
				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 Modelling 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 converters	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 and benthic habitats	Iñigo Muxika
				554	Effects of the spacing between two hydrokinetic turbines on the bedforms by numerical simulation	Fatima Khaled
				675	Underwater noise impact assessment of a wave energy converter in the northern Atlantic (Spain)	José Antonio García
15:30-16:00	Refreshments, networking & posters exhibition (Terrace and Chillida room)					15:30-16:00
16:00-17:30	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 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