

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	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 Gurnani	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
			402	Development of an Unmanned Mobile Current Turbine Platform	Manhar Dhanak	10:15-10:30
	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 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, 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
	Oteiza/ Environmental impact and appraisal	Juan Bald	187	Acoustic Characterization around the CalWave Wave Energy Converter	Kaustubha Raghumkar	09:00-09:15
			214	A conditional probabilistic encounter-impact model for fish-turbine interactions	Jezella Peraza	09:15-09:30
			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
Refreshments, networking & posters exhibition (Terrace and Chillida room)						10:30-11:00
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	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	Iñigo Bidaguren	418	Design, Manufacture and Testing of an Open-Source Benchmark Composite Hydrokinetic Turbine Blade	Miguel Gonzale-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 Alizzio	12:00-12:15
						12:15-12:30
	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 Energiser project: TIGER	Edward MacKay	11:30-11:45
			165	Evaluating the performance of turbulence closure models for tidal stream resource characterization	Zhaoping 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	Clément Calvino	12:15-12:30
Lunch & posters exhibition (Terrace and Chillida room)						12:30-14:00
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	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, modeling and testing : Investigating the integration of multiple wave absorbers	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 Tullibole Port – Challenges	Abdus Samad	15:00-15:15
			576	Test rig for submerged transmissions in wave energy converters as a development tool for dynamic analysis	Anthon Jonsson	15:15-15:30
	Arriaga/ Tidal resource characterization	Luke Blunden	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
			478	Multi-criteria analysis to evaluate tidal energy potential in France	Florian Castillo	15:00-15:15
			563	Improved Modeling of Vertical Velocity Profiles at a Tidal Energy Site	Lilli Enders	15:15-15:30
	Oteiza/ Environmental impact and appraisal	Andrea Copping	303	SafeWAVE The contribution of the SafeWAVE EU project to the future development of ocean energy	Juan Bald	14:00-14:15
			326	ITSASDRONE, an autonomous marine surface drone for fish monitoring around wave energy converters	Ainhize Uriarte	14:15-14:30
			600	Empowering communities to participate in marine energy planning and development	Grace Chang	14:30-14:45
			374	Assessing the effect of onshore and offshore Wave Energy Converters on seafloor integrity considerations	Iñigo Muxika	14:45-15:00
			554	Effects of the spacing between two hydrokinetic turbines on the bedforms by numerical simulation	Fatima Khaled	15:00-15:15
			675	Underwater noise impact assessment of a wave energy converter in the northern Atlantic (Spain)	José Antonio García	15:15-15:30
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 for Environmental Monitoring around Marine Energy Devices" (by Coastal Science Division-PNNL and WavEC)				16:00-17:30
Social programme		Gala Dinner (Atrium of the Guggenheim Museum)				20:00-22:00