

Entroped visite and Pittale Entropy Conference Series  Tuesday September 5							]
08:00-09:00	Registration ( <i>Main Hall</i> )						
		Room /Track	Chairman	Paper ID	Title	Presenter	
		Baroja/ Wave device development and testing	Claes Eskilsson	138	Analysis of Mutriku's ONIC performance Successful innovation strategies to overcome the technical challenges in the development of wave energy technologies	Pablo Ruiz-Minguela	09:00-09:15 09:15-09:30
	Oral presentations			266 352	Spatial focussing of wave energy for improved power capture by an oscillating water column Relevance of Robustness and Uncertainties Analysis in the Optimal Design of Wave Energy Conventers	Filippo Giorcelli	09:30-09:45 09:45-10:00
				176 466	Tuning Wave Energy Converters to local wave conditions  Enabling the Ocean Internet of Things with Renewable Marine Energy		10:00-10:15 10:15-10:30
		Laboa/ Tidal device development and testing	Stephanie Ordoñez-Sanchez	166 209	Intracycle Active Blade Pitch Control for Cross-Flow Tidal Turbines Using Embedded Electric Drive Systems  Numerical optimisation of the active lift turbines using Open Foam's overset method		09:00-09:15 09:15-09:30
				231 264	Non-dimensional scaling of passive adaptive blades for a marine current turbine  Optimal Design of a Submerged Tidal Device for Low Current Environment		09:30-09:45 09:45-10:00
				343 617	Designing Vortex Generators for Tidal Turbine Blades  Leveraging Explainable Artificial Intelligence for Real-time Detection of Tidal Blade Damage		10:00-10:15 10:15-10:30
09:00-10:30				317 321	Verification and validation of MoodyMarine - A free simulation tool for modeling moored MRE devices  A hybrid insearpotential flow - machine learning model for enhanced prediction of MREO performance	Johannes Palm	09:00-09:15 09:15-09:30
		Arriaga/ Wave hydrodynamic modelling	Gareth Tomas	476 497	Dasign Wave analysis of the MM wave energy converter device.  Hydrodynamic studies of a 15 MM semi-automorbile FOWT to assess the suitability of the inclusion of a damper system.		09:30-09:45 09:45-10:00
				145	On the state-of-the-ant of CPD simulations for wave energy converters within the open-acution numerical framework of DuaSPHyliosis  A Study on Wave Energy Conversion Problem of Turbine-Integrated QWC Chamber	Alejandro Crespo	10:00-10:15 10:15-10:30
		Oteiza/Tidal hydrodynamic modelling	Tim O'Doherty	503 195	Large-eddy simulations of interaction between surface waves and a tidal furbine wake in a furbulent channel Actuator-Line CFD Simulation of Tidal-Stream Turbines in a Compact Array	Tim Stallard	09:00-09:15 09:15-09:30
				218	High-fidelity modeling of a vertical axis tidal turbine model under realistic flow conditions  Synthetic eddy generation and modeling of turbine operation in a turbulent tidal flow	Mikaël Grondeau	09:30-09:45 09:45-10:00
				334 367	Inspect of blaces hurbine spacing on the performance of a multi-notor fidal energy device  A study on fidal rotors under the combined effects of currents and waves using actuator-line CFD simulations	Rachael Smith	10:00-10:15 10:15-10:30
10:30-11:00				reshments,	Is aboyon to an incent under the contented entered or contents and waves using accessor and CPU sensuations networking & posters exhibition (Terrace and Chillida room) Title		10:15-10:30
	Oral presentations	Room /Track	Chairman Diego Vicinanza Alberto Peña	Paper ID	Experimental evaluation of phase and velocity control for a cyclorot wave energy converter  Wase Energy Pracer Take off Validation with a Hudralish Admissted Schar Denamenter and a Budgertinnal Moharceer DC	Andrei Ermakov	11:00-11:15
		Baroja/ Wave device development		169 212	Supply: Methods for validating wave energy conveniers' mechanical and electrical power conversion systems A Removable elevated-hinge wave generator for testing marine energy devices	Pedro Lomonaco	11:15-11:30 11:30-11:45
		and testing  Laboa/ Tidal device development and testing		293 448	Wave energy converter power take off characterization: comparing dynamometer and field data Limiting the available pneumatic power in a LI-OWC	Joao Henriques	11:45-12:00 12:00-12:15
					HAPIGYM: Two Rapid Prototyping Environments for Wave Energy Control  A methodology for developing a prediction model for the remaining fatigue life and residual strength of tidal lumbine blades	Tenis Ranjan Munaweera Thanthirige	12:15-12:30 11:00-11:15
11:00-12:30				177 203	Multi-Actuator Full-Scale Fatigue Test of a Tidal Blade Experimental techniques for evaluating the performance of high-blockage cross-flow turbine arrays	Aidan Hunt	11:15-11:30 11:30-11:45
				277 322	Observations from structural testing of full-scale tidal furbine blades  Experimental flow conditions effects on a bottom-mounted ducted twin vertical axis tidal turbine compared to real sea conditions	Martin Moreau	11:45-12:00 12:00-12:15
				498 496	Experimental comparison of the flow-induced loading between a ducted bottom-mounted twin vertical axis tidal turbine at still and an unducted protothine.  On a microsoft of Wave Point Absorbers Connected to a Central Floating Platform	Thiago Saksanian Hallak	12:15-12:30 11:00-11:15
		Arriagal Wave hydrodynamic modelling	Merkel Peñalba	628 626	Hybridy, marks and Static Statity. Analysis of a Hybrid Offshore Wind-Wave Energy Generators: An Expansion of Semisubmensible Teaching Wind Tubble Connegs: Study, with Large Eddy Simulations of energy dissipation due to backwart flows in wave overdopping		11:15-11:30 11:30-11:45
				383 392	Nonlinear WEC modeling using Sparse Identification of Nonlinear Dynamics (SINDy)  Numerical and Experimental Characterization of Rotational Floating Body Drag		11:45-12:00 12:00-12:15
				460 416	A development and validation of the in-house hydrodynamics code and the DNV software for TALOS wave energy convener.  A turbines-module adapted to the marine site for idial farms layout optimization.		12:15-12:30 11:00-11:15
		Oteiza/Tidal hydrodynamic modelling		442 454	High-fidelity modelling of a six-turbine tidal array in the Shettands Instabilities in tidal turbine wakes	Pablo Ouro	11:15-11:30 11:30-11:45
			Gustavo Esteban	505 506	On the accuracy of BEMT and CFD on the power and frust prediction of tidal turbines  The performance of counter-rotating tidal turbine in different sea states	Yabin Liu	11:45-12:00 12:00-12:15
				544	Comparison of Actuator Line Modelling of Tidal Power Kites with ADCP Measurements	Sung Fu	12:15-12:30
12:30-14:00	Lunch & posters exhibition (Terrace and Chillida room)						12:30-14:00
14:00-15:30		Room /Track	Chairman	Paper ID	Title  Experimental Investigation into the Air Compressibility Scaling Effect on OWC Performance and Wave Height	Presenter André F.L. Governo	14:00-14:15
	Oral presentations	Baroja/ Wave device development and testing	Yago Torre-Enciso	185	Enhancing the efficiency of an axial impulse turbine with a diffuser  Numerical performance assessment of a new wave energy conversion system	Geetam Saha	14:15-14:30 14:30-14:45
				522 451	Basis testing of the 1-2-1 MM WEC Experimental Investigation on Performance of Counter-rotating Impulse Turbine with Middle Vanes for Wave Energy Conversion	Damon Howe	14:45-15:00 15:00-15:15
		Laboa/ Tidal device development and testing	Daniel Coles	268	Dissign of an integrated generator and heaving buoy Designing Votex Generators for Tidal Truthine Blades	Nick Baker	15:15-15:30 14:00-14:15
				366 365	A two-scale blockage correction for an array of tidal turbines Performance Assessment of a Multi-Rotor Poating Tidal Energy System	Daniel Dehtyriov	14:15-14:30 14:30-14:45
					Performance Passesseries or a stoll-recover Positivity (Facility System)  The Influence of the Downstream Blade Sweep on Cross-flow Turbine Performance  Additive Manufacturins for Powering the Blue Economy Acolisations: A Tidal Turbine Blade Case Study	Abigale Snortland	14:45-15:00
		Arriaga/ Wave hydrodynamic modelling	Sara Russo Abutlakr Bahaj		Address Manuscrumg for Powering the Blue Economy Applications. A rical Future Blade Lake Study Design and Demonstration of a Passive Pitch System for Italia Turbines  Wee Amplitization listle an Open Circular Casson for Wee Energy Conversion in Wales with Medium Energy Density	Stefano Gambuzza	15:00-15:15 15:15-15:30
				513	System Identification for Modelling IM4 Wave Energy Converter	Xuefei Wang	14:00-14:15 14:15-14:30
				198 278 333	Serri-analytical and CFD formulations of a spherical floater  Species-Domain Modeling of Wave Energy Converters as an Efficient Tool for Adjustment of FTO Model Parameters	Adam Keester	14:30-14:45 14:45-15:00
				538	A multiquery analysis of a PeWEC farm Effects of control strategies on the performance of floating WEC point absorbers operating attached to a breakwater by time-domain	Markos Bonovas	15:00-15:15 15:15-15:30
				579 676	Experimantal characterisation of the wake of a bottom-mounted two landem of cylinders placed in a high velocity area Development of a modified BEMT model for the analysis of helical bladed vertical axis tidal turbines	Mohammad Fereidoonnezhad	14:00-14:15 14:15-14:30
		Oteiza/Tidal hydrodynamic modelling		199 252	A comparative study of power production using a generic empirical model in a tidal farm  Objective Functions for the Blade Shape Optimisation of a Cross-Flow Tidal Turbine under Constraints	Karla Ruiz-Hussmann	14:30-14:45 14:45-15:00
				283	Investigating the impact of multi-rotor structure shadowing on stidal stream turbine performance	Bryn Townley	15:00-15:15 15:15-15:30 15:30-16:00
15:30-16:00			Refreshments, networking & posters exhibition ( <i>Terrace and Chillida room</i> )  15				
16:00-17:30		MitzelenuSide event 4 SafeWAVE project (by AZTI / WavEC)					
	Side events	Baroja/Side event 5			Technology Performance Level Assessment (TPL) (by SANDIA LABTPL TEAM-)		16:00-17:30
		Arriaga/Side event 6		NEMMO	Project, On the Cutting Edge of Tidal Blade Design and Materials (by Ocean Energy Euro	pe)	16:00-17:30
17:30-19:00		Room/Track	Chairman	Paper ID	Title	Presenter	
	Oral presentations	Baroja/ Wave device development and testing	Luis Gato	318 329	A Novel Hjörd Floating Breakwater-Wave Energy Converter Cevice: Preliminary Experimental Investigations Origami-adapted claim design for wave energy conversion		17:30-17:45 17:45-18:00
				555 274	The Geometrical Dosign of the L-shaped Oscillating Water Column Using Artificial Neural Network  Maximizing the surge amplitude of a floater through an adaptable mooring tightening technique	Chen-Chou Lin	18:00-18:15 18:15-18:30
				516 286	Reliability and Cost Assessment of Critical Components: Electrical generator failure of IDOM wave energy converter Heterogeneous WEC array optimization using the Hidden Genes Genetic Algorithm	Julia Fernandez Chozas	18:30-18:45 18:45-19:00
		Arriaga/ Wave hydrodynamic modelling	Jesús M. Blanco	355 376	Numerical investigation of a new hybrid floating wind furbine concept  Quantification of uncertainty in linear wave energy hydrodynamic models from experimental data	Beatrice Fenu	17:30-17:45 17:45-18:00
				379 426	An overview of an experimental campaign for arrays of wave energy convension systems.  Solution vertication of VECo: comparison of mishosis to estimate numerical uncertainties in the OES wave energy modelling task.	Nicolas Faedo	18:00-18:15 18:15-18:30
				426 473 474	Social visitation of Vertical Companies of interesting the second interesting to the Vertical Companies of the Vertical Companies Package for Project Companies Package for Project Companies of the New York Companies of the New	David Ogden	18:15-18:30 18:30-18:45 18:45-19:00
		Oteiza/ Tidal hydrodynamic modelling	Pablo Ruiz-Minguela	474 407 464	Notificant hydrodynamics of a heaving sphere in officiation, solution, and combined tests  Modelling the effects of boundary proximity on a listal inforr using the architect membrid  Characterisation of turbulent flow and the wate of a tistal steam turbine in proximity to a ridge	Huw Eduards	18:45-19:00 17:30-17:45 17:45-18:00
				566	Tidal turbulence in medium depth water, primarily a model study	Göran Broström	18:00-18:15
				316 544	Verification and validation of blade-esolved viscous flow total turbine simulations  Comparison of Actuator Line Modelling of Tidal Power Kites with ADCP Measurements	Nomal Prabahar	18:15-18:30 18:30-18:45
19:00-20:00	Technical programme	Elhuyar			Technical Committee meeting		18:45-19:00 19:00-20:00
20:00-22:00	Social		Track Directors Dinner 20:00-22:				
	programme						