

| 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 IWT 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 Tagus River estuary | Benedicte Hoofd | | |
| | | | | 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 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 | | |
| 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 | | |
| | | | | 165 | Evaluating the performance of turbulence closure models for tidal stream resource characterization | Zhaoping Yang | | |
| 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 wave absorbers | 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 |
| | | | | Arriaga/ Tidal resource characterization | Luke Blunden | 576 | Test rig for submerged transmissions in wave energy converters as a development tool for dynamic analysis | 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 converters | 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 | 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-) | | | |
| | | | | Arriaga/Side event 9 | "Instrumentation for Environmental Monitoring around Marine Energy Devices" (by Coastal Science Division-PNNL and WavEC) | | | |
| | | 20:00-22:00 | Social programme | Gala Dinner (Atrium of the Guggenheim Museum) | | | | 20:00-22:00 |