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| | Thursday September 7 | | | | | | |
| 08:00-09:00 | Registration (Main Hall) | | | | | | 08:00-09:00 |
| 09:00-10:30 | Oral presentations | Room /Track | Chairman | Paper ID | Title | Presenter | |
| | | Laboa/ Grid integration, power take-off and control | Joao Henriques | 472 | A time domain approach for the optimal control of wave energy converter arrays | Mohamed Shabara | 09:00-09:15 |
| | | | | 493 | Optimisation of Air turbines for OWC Wave Energy Converters: Sensitivity of Realistic Wave Climates | Andar Zarketa-Astigarra | 09:15-09:30 |
| | | | | 500 | Integrated hydrodynamic-electrical hardware model for wave energy conversion with M4 ocean demonstrator | Judith Apsley | 09:30-09:45 |
| | | | | 409 | On data-based control-oriented modelling applications in wave energy systems | Edoardo Pasta | 09:45-10:00 |
| | | | | 592 | The Performance evaluation of 30kW class OWC wave power plant integrated with breakerwater | Kilwom Kim | 10:00-10:15 |
| | | | | 161 | Investigation on the extreme peak mooring force distribution of a point absorber wave energy converter with and without a survivability control system | Zahra Shahroozi | 10:15-10:30 |
| | | Arriaga/ Wave resource characterization | Joannes Berque | 140 | Analysis of the North Atlantic offshore energy flux from different reanalysis and hindcasts | Matias Alday | 09:00-09:15 |
| | | | | 175 | Wave Spectral Analysis for designing Wave Energy Converters | Jesus Portilla-Yandun | 09:15-09:30 |
| | | | | 275 | Long term wave load trends against offshore monopile structures: A case study in the Bay of Biscay | Nahia Martinez-Irujo | 09:30-09:45 |
| | | | | 279 | Numerical modeling of wave and tidal current interactions and their impact on wave parameters | Tian Tan | 09:45-10:00 |
| | | | | 205 | On the errors in annual energy yield estimation due to monodirectional wave spectra assumption | Giuseppe Giorgi | 10:00-10:15 |
| | | | | 305 | Validation of ERA5 Wave Energy Flux through Sailor diagram in Spain (2005-2014) | Alain Ulazia | 10:15-10:30 |
| | | Oteiza/ Economical, social, legal and political aspects of ocean energy | Pablo Ruiz-Minguela | 154 | Do recent renewable energy policy changes in Ireland satisfy the requirements of a nascent wave energy technology development sector? | Carrie Anne Barry | 09:00-09:15 |
| | | | | 157 | Integration of wave energy into Energy Systems: an insight to the system dynamics and ways forward | George Lavidas | 09:15-09:30 |
| | | | | 306 | Can Risk-Based Approaches benefit future Marine Renewable Energy deployment, planning and consenting processes? | Emma Verling | 09:30-09:45 |
| | | | | 351 | Towards increased social acceptability of marine renewable energy | Niall P. Dunphy | 09:45-10:00 |
| | | 362 | Environmental Effects of MRE: Advancing the Industry through Broad Outreach and Engagement | Deborah Rose | 10:00-10:15 | | |
| | | | | | 10:15-10:30 | | |
| 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 | 453 | The Impact of Uncertainty on the Control of a Multi-Axis Wave Energy Converter | Carrie Hall | 11:00-11:15 |
| | | | | 531 | Spectral control co-design of wave energy converter array layout | Yeraí Peña-Sánchez | 11:15-11:30 |
| | | | | 548 | A new seawater low-head turbine for the OBREC | Sara Russo | 11:30-11:45 |
| | | | | 549 | Experimental investigation on the hydrodynamic performance of a pile-supported OWC-type breakerwater | Yusuf Almaliki | 11:45-12:00 |
| | | | | 661 | Weight Reduction Methodologies for Wave Energy Devices: A Structural Analysis Approach | Michael O'Shea | 12:00-12:15 |
| | | | | 170 | Wave Excitation Tests on a Fixed Sphere: Comparison of Physical Wave Basin Setups | Jacob Andersen | 12:15-12:30 |
| | | Laboa/ Grid integration, power take-off and control | Eider Robles | 215 | Wave Farms Integration in a 100% renewable isolated small power system: frequency stability and grid compliance analysis | Marcos Blanco | 11:00-11:15 |
| | | | | 309 | Wave-to-Wire Control of an Oscillating Water Column Wave Energy System Equipped with a Wells Turbine | Marco Rosati | 11:15-11:30 |
| | | | | 510 | Maximizing Wave Energy Converter Power Extraction by Utilizing a Variable Negative Softness Magnetic Spring | Carlos Michelen | 11:30-11:45 |
| | | | | 561 | Development of control strategies for novel systems of a full scale OWC for the WEDUSEA project | James Kelly | 11:45-12:00 |
| | | | | 346 | Enhancing energy system resilience using tidal stream energy | Danny Coles | 12:00-12:15 |
| | | | | 551 | Analysis of Ocean Energy Integration in Ibero-American Electric Grids | Marcos Lafoz | 12:15-12:30 |
| | | Arriaga/ Wave resource characterization | Jesús M. Blanco | 529 | Impact of Resource Uncertainties on the Design of Wave Energy Converters | Markel Peñaalba | 11:00-11:15 |
| | | | | 539 | Discussions on Wave energy period in higher wave energy potential marine waters of Taiwan | Shiaw-Yih Tzang | 11:15-11:30 |
| | | | | 159 | Internal waves: A potentially untapped marine energy resource | Kastubha Raghukumar | 11:30-11:45 |
| | | | | 197 | Feasibility of wave energy harvesting in the Ligurian Sea | Manuel Alejandro Corrales-González | 11:45-12:00 |
| | | | | 378 | Identification of optimal sites for the deployment of wave energy converters: the importance of a technology-centred approach | Riccardo Novo | 12:00-12:15 |
| | | | | | | | |
| Oteiza/ Economical, social, legal and political aspects of ocean energy | Yago Torre-Enciso | 399 | Techno-economic optimization of an offshore hybrid power system: Argentine Basin case study | Sarah Palmer | 11:00-11:15 | | |
| | | 452 | Ensuring Resilience in Ocean Energy Power Plants: A Survey of Cybersecurity Measures | Thalita Nazare | 11:15-11:30 | | |
| | | 340 | On the complementarity of wave, tidal, wind and solar resources in Ireland | Hafiz Ashan Said | 11:30-11:45 | | |
| | | 335 | A Comparison of the European Regulatory Framework for the deployment of Wave Energy Converters | Claudio Moscoloni | 11:45-12:00 | | |
| | | 507 | Ocean Energy: Markets – Currency – Impact. Dimension of A Choices in the Technology Development Space | Jochem Weber | 12:00-12:15 | | |
| | | | Informing development of a socioeconomic data collection toolkit for marine energy: a literature review | Deborah Rose | 12:15-12:30 | | |
| 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 | Tony Lewis | 350 | Performance enhancement of pitching WECs via oscillating water columns technology | Marco Fontana | 14:00-14:15 |
| | | | | 357 | Numerical investigation of the energy performance of a wave energy converter comprising a multi-body power take-off | Félix Elefant | 14:15-14:30 |
| | | | | 395 | Hybrid wind-wave systems: The case of the VortumUS-S semi-submersible platform | Maximilian Hengstmann | 14:30-14:45 |
| | | | | 439 | Analysis of the viability of a radial Double Decker Turbine for application in Oscillating Water Column devices | Aitor Vega-Valladares | 14:45-15:00 |
| | | | | 445 | An Early Design Phase Method for Characterizing and Comparing Wave Energy Converter Archetypes | Aeron Roach | 15:00-15:15 |
| | | Arriaga/ Wave resource characterization | Jose L. Villate | | | | 15:15-15:30 |
| | | | | 564 | Upsampling wave temporal resolution: Investigating wave parameters and the influence on WEC power performance | Hannah Mankie | 14:00-14:15 |
| | | | | 619 | On spatial interpolation of ocean energy source variables: A comparative analysis | Leonardo Gambarelli | 14:15-14:30 |
| | | | | 475 | The application of temporal gating in the measurement of response amplitude operators | Natalia Sergienko | 14:30-14:45 |
| | | | | 310 | Analysis of the impact of floater interactions on the power extraction of a dense WEC array with adaptable nonlinear PTO | Alva Bechlenberg | 14:45-15:00 |
| | | 483 | New design options for the improvement of the Mutriku power plant | Urko Izquierdo | 15:00-15:15 | | |
| | | Oteiza/ Economical, social, legal and political aspects of ocean energy | Jochem Weber | | | | 15:15-15:30 |
| | | | | 223 | Using human-centered design to develop a national research landscape for marine energy in the United States | Samantha Quinn | 14:00-14:15 |
| | | | | 385 | Choosing Wave Energy Devices for Community Led Marine Energy Development | Molly Gear | 14:15-14:30 |
| | | | | 388 | A Socioeconomic, Environmental, and Regulatory Assessment for Current Energy Converter Technologies | Jonathan Colby | 14:30-14:45 |
| 413 | Floating wind and wave energy technologies: applications, synergies and role in decarbonization in Portugal | | | Craig White | 14:45-15:00 | | |
| 436 | Wave energy communication and social opposition: can we improve perception of ocean energy development projects? | Maria C. Uyama | 15:00-15:15 | | | | |
| 15:40-16:15 | Closing ceremony | Mixelena Auditorium | Iñigo Ansola | Chair EVE (Basque Agency for Energy) | 15:40-15:45 | | |
| | | | Irene Penesis | IOOE 2024 Melbourne (Australia) | 15:45-15:50 | | |
| | | | AbuBakr Bahaj | PRIMaRE 2024 Southampton (UK) | 15:50-15:55 | | |
| | | | Bruce Cameron | PAMEC 2024 Barranquilla (Colombia) | 15:55-16:00 | | |
| | | | C H Jo | AWTEC 2024 Busan (Korea) | 16:00-16:05 | | |
| | | | Luis Gato | EWTEC 2025 Madeira (Portugal) | 16:05-16:10 | | |
| | | | Cameron Johnstone | EWTEC Executive Board | 16:10-16:15 | | |
| 16:30-20:30 | Social programme | Technical visits: Option 1: MUTRIKU Option 2: BIMEP | | | | | 16:30-20:30 |
| | | | | | | | |
| 21:00-22:30 | Technical programme | (Executive Board Meeting and Dinner) | | | | | 21:00-22:30 |