LATWAVES SCHEDULE

SIXTH LATIN AMERICAN CONFERENCE ON OCEAN WAVES

VIÑA DEL MAR CHILE 2026

Morning session - Day 1

Time			Monday 26
8:30	8:40	Chairwoman: Catalina Aguirre	**Reception**
8:40	8:50		
8:50	9:00		**Opening Remarks**
9:00	9:10		
9:10	9:20		**Alexander Babanin** **Dynamics of ocean waves**
9:20	9:30		
9:30	9:40		
9:40	9:50		Non-Dimensional Theory and Practice of Wind-Wave Evolution
9:50	10:00		**Alessandro Romano** Hydrodynamics of Post-Overtopping Flows on Vertical Breakwaters in Deep Water
10:00	10:10		
10:10	10:20		**Marcelo V. Flamarion *** Modeling Landslides within the Nonlinear Euler Equations
10:20	10:30		
10:30	10:40		**Coffee Break**
10:40	10:50		
10:50	11:00		
11:00	11:10	Chairman: Alexander Babanin	**Rodrigo Cienfuegos** Field Characterization of Nonlinear Infragravity Wave Kinematics and Transport in a Shallow Intermittently Open/Closed Estuary
11:10	11:20		
11:20	11:30		~~**Karl Peter Burr**~~ ~~Reduced model equation for surface-gravity waves interaction with current and varying topography~~
11:30	11:40		
11:40	11:50		**Peter McComb** A phase-resolving hybrid downscaling framework for multi-decadal swell and infragravity wave climate in ports, with an interactive delivery platform
11:50	12:00		
12:00	12:10		**Cristian Cifuentes** Applications of the dualsphysics lagrangian code to coastal resilience phenomenon
12:10	12:20		
12:20	12:30		**Rodrigo Campos-Caba *** Complementing operational wave models with machine learning for coastal wave downscaling along the chilean coast
12:30	12:40		
12:40	14:00		**LUNCH**

session topics

Fluid mechanics of water waves
Numerical modelling, spectral and phase-resolving
Observations and remote sensing
Near-shore processes

Afternoon session - Day 1

14:10	14:20	Chairman: Francisco Ocampo	**Nicolas Rascle *** Observing currents and directional wave spectra from satellite optical sensors
14:20	14:30		
14:30	14:40		**Carlos Francisco Herrera Vázquez *** Influence of Wave Conditions and Bragg Signal Variability on HF Radar–ADCP Current Comparisons
14:40	14:50		
14:50	15:00		~~**Felipe Minuzzi** Modeling the Non-Linear Interaction of Ocean Waves Using a Deep Learning Approach~~
15:00	15:10		
15:10	15:20		**Damyan Santander** On the role of infragravity waves in driving mixing in shallow inlet-lagoon systems
15:20	15:30		
15:30	15:40		**Coffee Break**
15:40	15:50		
15:50	16:00	Chairman: Rodrigo Alonso	**José Galaz** Nonlinear Spectral Analysis of Multisoliton Fission and Dissipation in Boussinesq-type Numerical Simulations and Laboratory Experiments.
16:00	16:10		
16:10	16:20		**Leandro Farina** Are Winds All We Need? Learning and Explaining Directional Wave Spectra
16:20	16:30		
16:30	16:40		**Sebastián Correa** Impact-based extreme-wave intensity scale for high-resolution coastal forecasting
16:40	16:50		
16:50	17:00		**End of work day**

LATWAVES SCHEDULE

SIXTH LATIN AMERICAN CONFERENCE ON OCEAN WAVES

VIÑA DEL MAR CHILE 2026

Morning session - Day 2

Time			Tuesday 27
9:00	9:10	Chairman: Alvaro Semedo	**Franscisco Ocampo** **Air-sea Interactions** On the deviation of the surface stress direction relative to mean wind and main wave directions
9:10	9:20		
9:20	9:30		
9:30	9:40		
9:40	9:50		**"+D Talk"**
9:50	10:00		
10:00	10:10		
10:10	10:20		**Cesar Esparza** Effects of Frequency Spectral Bandwidth on Wave Overtopping under Shallow Foreshore Conditions
10:20	10:30		
10:30	10:40		**Coffee Break**
10:40	10:50		
10:50	11:00		
11:00	11:10	Chairman: Leandro Fernandez	**Lizbeth Daniela Rosero Melo** Numerical Modeling Methodology for Simulating Compound Floods. Case Study: San Andrés Island
11:10	11:20		
11:20	11:30		**Rodrigo Alonso** Development of Tools for Coastal Early Warning Systems: A Case Study of Piriápolis, Uruguay
11:30	11:40		
11:40	11:50		**Frederic Dias** Assessing meteotsunami hazards driven by derechos in a changing climate
11:50	12:00		
12:00	12:10		**Víctor José Saavedra Mejía** Directional wave spectrum assimilation in the SWAN wave model for semi-enclosed domains
12:10	12:20		
12:20	12:30		**Maricarmen Guerra Paris** Wave observations and modeling in high-flow tidal channels
12:30	12:40		
12:40	14:00		**LUNCH**

session topics

Near-shore processes
Numerical modelling, spectral and phase-resolving
Observations and remote sensing
Wave-coupled effects in the upper ocean
Wave Climate

Afternoon session - Day 2

14:10	14:20	Chairwoman: Maricarmen Guerra	**Paula Gurruchaga** Assessing the operational applicability of video-based bathymetric inversion methods at a wave-dominated beach
14:20	14:30		
14:30	14:40		**Jesus Portilla-Yandun *** Exacerbation of Coastal Erosion along the Equatorial Pacific due to Oceanic Anomalies
14:40	14:50		
14:50	15:00		**B. Ixetl Garcia Gomez *** Wave–Current interaction effects on surface dynamics in the Gulf of Mexico
15:00	15:10		
15:10	15:20		**Leandro Fernandez** Development of a one-way coupled wave forecasting model for the Mouth of the Columbia River
15:20	15:30		
15:30	15:40		**Coffee Break**
15:40	15:50		
15:50	16:00	Chairwoman: Claudia Pizarro	**Daniel R. Ramírez Cervera** Effects of Waves on the Hydrodynamics and Dispersion of a Passive Tracer: A Case Study from Bocas del Toro, Panama.
16:00	16:10		
16:10	16:20		**Lucas Sellanes** Regional frequency analysis based on regions of influence (RFA-ROI) applied to coastal engineering projects
16:20	16:30		
16:30	16:40		**Héctor García-Nava** Assessment of Wave Climate and Variability in the Mexican Pacific
16:40	16:50		
16:50	17:00		**End of work day**

LATWAVES SCHEDULE

SIXTH LATIN AMERICAN CONFERENCE ON OCEAN WAVES

VIÑA DEL MAR CHILE 2026

Morning and Afternoon session - Day 3

Time			Wednesday 28
9:00	9:10	Chairwoman: Magdalena Vásquez	**Alvaro Semedo** **Wave Climate** COWCLIP project – the phase 3 ensemble
9:10	9:20		
9:20	9:30		
9:30	9:40		
9:40	9:50		**Javier Aguirre** "WAVES OF THE FUTURE": A DECISION SUPPORT SYSTEM FOR COASTAL RISKS IN THE CONTEXT OF CLIMATE CHANGE
9:50	10:00		
10:00	10:10		**Orietta Nicolis** Extreme Wave Regimes under Climate Change off Valparaíso, Chile: A Multimodel Assessment
10:10	10:20		
10:20	10:30		**Coffee Break**
10:30	10:40		
10:40	10:50		
10:50	11:00	Chairman: Sebastián Correa	**Eduardo R. Palenque** Wind -wave interaction at low atmospheric pressure
11:00	11:10		
11:10	11:20		**Francisco J. Sáez** CG-IMPACT: A Framework for Translating Wave-Climate Projections into Local Coastal Impacts in Chile
11:20	11:30		
11:30	11:40		**Joaquín Pérez Mirianco** Wave Forecasting System for Uruguay
11:40	11:50		
11:50	12:00		**Andrés F. Osorio** Multiscale Numerical Approaches for Evaluating the Dissipation of Waves energy through Coral Reefs and Mangrove Forests
12:00	12:10		
12:10	12:20		**Juan Diego Torres Toro** Wave modelling scheme for evaluation of an hybrid reef for mitigation of coastal flooding
12:20	12:30		
12:30	12:40		**Closing Remarks**
15:00			**A Walk Through Valparaíso**
19:30			**Conference Dinner**

session topics

Wave Climate
Air-sea Interactions
Waves in ocean engineering
Near-shore processes