CODAR News

CODAR's List of Recommended Presentations at 2026 Ocean Sciences Meeting

Many excellent presentations are expected at the AGU-ASLO-TOS 2026 Ocean Sciences Meeting in Glasgow, Scotland. Here is a select list of those having some connection to HF radar (especially SeaSonde) recommended by CODAR staff. We hope to see you in the audience!

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Monday 23 February

CP11A-04 **HF Radar Observation of Near Shore Winds and Currents**
First author: Brian M Emery, University of California Santa Barbara
Time: 09:05 - 09:16 Location: Dochart (SEC)

AI13A-03 **Mapping Coastal Ocean Surface Winds from High Frequency Radar: A Tomographic Approach**
First author: Anthony Kirincich, Woods Hole Oceanographic Institution
Time: 14:06 - 14:09 Location: Hall 4, eLightning Theater 1 (SEC)

Monday Poster Session Time: 16:00 - 18:00 Location: Hall 4 (Poster Hall) (SEC)

Operational Depiction of Particle Trajectory on the Texas Shelf Using Reprocessed High Frequency Radar (HFR) Current Data and OpenDrift Model
First author: Uchenna Nwankwo, Texas A&M University College Station

Spatial and Temporal Variability of the Yucatan Current Using High-Frequency Radar
First author: Steven Francis DiMarco, Texas A&M University

Enhancing Short-Term Wave Forecasts in the Bali Strait Using HF Radar and Neural Networks
First author: Widya Ayuningtiyas, University of East Anglia

High-Frequency Radar Observations of Surface Currents in the Strait of Juan de Fuca and Beyond
First author: Manman Wang, Ocean Networks Canada

Localized Southward Shifts of the Gulf Stream and Their Atmospheric Drivers Observed by Long-Term High-Frequency Radar Near Cape Hatteras
First author: Yubeen Jeong, University of North Carolina at Chapel Hill

Resolving Coastal Ocean Features: A Comparison of 2 km vs. 6 km HF Radar Surface Current Data
First author: Hugh Roarty, Rutgers University

Mesoscale Eddy Modulation of a Water Mass Transport Through the Ibiza Channel From a Multi-Platform Observational Perspective
First author: Paul Hargous, IMEDEA (CSIC-UIB)

Enhancing Winds and Surface Currents for Wave Forecasts Using AI: Application to the North-East Atlantic
First author: Manuel Garcia-Leon, Nologin Oceanic Weather Systems

Tuesday 24 February

DO23A-09 **AI-Driven Short-Term Forecasts of Sea Surface Currents Using HF Radar Data**
First author: Luisa Lamas, Instituto Hidrografico
Time: 15:20 - 15:30 Location: Hall 3, The Sound (SEC)

Tuesday Poster Session Time: 16:00 - 18:00 Location: Hall 4 (Poster Hall), (SEC)

Regional Ocean Model Performance Evaluated with Diagrams Comparing Observed and Simulated Tides and Tidal Current Ellipses in the Ise Bay, Japan
Lead author: Takaki Tsubono

PI-BREAK Project: Maintenance for Climate-Resilient Coastal Infrastructure
Lead author: Lohitzune Solabarrieta, AZTI Marine Research, Basque Research and Technology Alliance (BRTA)

Wednesday 25 February

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Thursday 26 February

Thursday Poster Session Time: 16:00 - 18:00 Location: Hall 4 (Poster Hall) (SEC)

A Twenty-Year Gulf Stream Meander Census off Cape Hatteras, North Carolina Using Surface Currents from Monostatic High-Frequency Radars
Lead author: Mike Muglia, Coastal Studies Institute

In Situ Observations and Remote-Sensing Inference of Dense-Water Cascade Events near Cape Hatteras
Lead author: Patterson Taylor, University of North Carolina Coastal Studies Institute

Submesoscale Surface-layer Stirring in a Deep-shelf Coastal Environment
Lead author: Gregory P Gerbi, University of Maine

Variability Mechanism of the Soya Warm Current: Strait Inflow Forcing vs. Remote Wind Forcing
Lead author: Mizuki Kuga, Japan Fisheries Research and Education Agency

The Dynamics of Near-Surface Velocity Structure in the Coastal Ocean
Lead author: Alexis Merk, University of Maine

Friday 27 February

PI52A-11 **Resolving Phytoplankton Community Variability Across Fronts Using High-Frequency Radar and Bio-optical Observations Within the Northern California Current System**
Lead author: Aliya Jamil, Oregon State University
Time: 11:00 – 11:03 Location: Hall 4, eLightning Theater 2 (SEC)

DO53A-07 **The US West Coast Ocean Forecast System (WCOFS): Operational Prediction, Data Assimilation Research, and Coastal Ocean Process Studies**
Lead author: Alexander L Kurapov, NOAA National Ocean Service
Time: 15:05 – 15:15 Location: Hall 1 (SEC)