

Date	Title	Session Type	Starts	Ends	Room	Presenters	Affiliation	Program	#
24-Feb	The Southern Ocean Carbon Sink: Processes, Observations, and Change I Oral	Session	08:30	10:00	Forth	Cathy Wilmart-Rousseau; Meredith Meyer; Thomas George Bell; Pablo Trucco-Pignata	National Oceanography Centre; University of East Anglia; Plymouth Marine Laboratory	High Latitude Environments	HE21B
24-Feb	Atlantic Ocean Connectivity Across Latitudes: Large-Scale Processes, Observations, Modeling, and Impacts IV Oral	Session	08:30	10:00	Hall 1	Ivenis Pita; Tillys Petit; Eleanor Frajka-Williams; Tiago Carrilho Bilo	University of Miami; National Oceanography Centre; University of Hamburg; School of Marine Sciences - The University of Maine	Physical Oceanography	PS21A
24-Feb	Measuring air-sea and benthic carbon fluxes in the Weddell Sea with novel autonomous instruments	The Southern Ocean Carbon Sink: Processes, Observations, and Change I Oral	08:30	08:40	Forth	Allison Schaap	National Oceanography Centre	High Latitude Environments	HE21B
24-Feb	Multidecadal changes in the North Atlantic bloom phenology driven by temperature extremes	Ecological and Societal Impacts of Marine Heat Waves III eLightning	08:36	08:39	Hall 4, eLightning Theater 1	Elisa Lovecchio	National Oceanography Centre	Marine Ecology and Biodiversity	ME21B
24-Feb	Autonomous observations of enhanced chlorophyll concentrations during a marine heatwave in a seasonally stratified shelf sea	Ecological and Societal Impacts of Marine Heat Waves III eLightning	08:39	08:42	Hall 4, eLightning Theater 1	Charlotte Williams	National Oceanography Centre	Marine Ecology and Biodiversity	ME21B
24-Feb	Carbon in transit: is shifting ocean circulation reshaping the North Atlantic CO ₂ sink?	Atlantic Ocean Connectivity Across Latitudes: Large-Scale Processes, Observations, Modeling, and Impacts IV Oral	08:43	08:53	Hall 1	Peter Brown	National Oceanography Centre	Physical Oceanography	PS21A

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24-Feb	Classifying water masses, temperature/salinity co-variability and deriving excess and redistributed heat components through a machine learning technique.	Atlantic Ocean Connectivity Across Latitudes: Large-Scale Processes, Observations, Modeling, and Impacts IV Oral	08:53	09:03	Hall 1	Matthew Clark	National Oceanography Centre, Southampton, UK	Physical Oceanography	PS21A
24-Feb	Using machine learning to interpolate historic ocean observations of the Atlantic subpolar gyre towards prediction of tipping points	Cutting-Edge Artificial Intelligence for Oceanographic Monitoring, Modeling, Forecasting, and Marine Knowledge Generation I Oral	09:40	09:50	Hall 3, The Sound	Jonathan Coney	National Oceanography Centre	Digital Ocean	DO21A
24-Feb	Atlantic Ocean Connectivity Across Latitudes: Large-Scale Processes, Observations, Modeling, and Impacts V Oral	Session	14:00	15:30	Hall 1	Ivenis Pita; Tillys Petit; Eleanor Frajka-Williams; Tiago Carrilho Bilo	University of Miami; National Oceanography Centre; University of Hamburg; School of Marine Sciences - The University of Maine	Physical Oceanography	PS23A
24-Feb	Airborne remote sensing of ocean surface currents and winds: Past, present and future with the AEROSTATS project.	Advances in Air-Sea Interaction Observations and Remote Sensing: Autonomous Platforms, Multiscale Processes, and Cross-Disciplinary Linkages II Oral	14:40	14:50	Boisdale	David McCann	National Oceanography Centre	Air-Sea Interactions	AI23A

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24-Feb	The Impact of Large-Scale Macroalgae Cultivation and Harvesting Strategies on the Marine Carbon Dioxide Removal Efficacy and Marine Biogeochemistry	Biogeochemical and Ecological Insights for Evaluation of Marine Carbon Dioxide Removal (mCDR) II Oral	15:00	15:10	Hall 3, The Abyss	Prima Anugerahanti	National Oceanography Centre	Carbon Management	CM23 A
24-Feb	Revisiting the RAPID Array in a Double-Nested NEMO Configuration	Atlantic Ocean Connectivity Across Latitudes: Large-Scale Processes, Observations, Modeling, and Impacts V Oral	15:13	15:23	Hall 1	Adam Blaker	National Oceanography Centre	Physical Oceanography	PS23A
24-Feb	Using Models and Deep Argo Data to Guide Effective Monitoring and Enhance Understanding of Deep-Ocean Oxygen Variability	Confronting Ocean Models with Biogeochemical Observations Across Timescales I Poster	16:00	18:00	Hall 4 (Poster Hall)	David Trossman	National Oceanography Centre	Ocean Biology and Biochemistry	OB24 B
24-Feb	Open Session on Tides and Coastal Flooding IV Poster	Session	16:00	18:00	Hall 4 (Poster Hall)	Angela Hibbert; Greg Dusek; Joanne Williams; Michael Hart-Davis	National Oceanography Centre; NOAA Camp Springs; National Oceanography Centre; Technical University of Munich	Coastal and Estuarine Hydrodynamics and Sediment Processes	CP24 D
24-Feb	Large-Scale Changes in the Arctic and Subarctic: Processes and Impacts V Poster	Session	16:00	18:00	Hall 4 (Poster Hall)	Anna-Marie Strehl; Craig Lee; Benjamin Iolo Barton; Ali Mashayek	University of Bergen; University of Washington; National Oceanography Centre; University of Western Brittany; University of Cambridge	High Latitude Environments	HE24 B
24-Feb	The Southern Ocean Carbon Sink: Processes, Observations, and Change II Poster	Session	16:00	18:00	Hall 4 (Poster Hall)	Cathy Wimart-Rousseau; Meredith Meyer; Thomas George Bell; Pablo Trucco-Pignata	National Oceanography Centre; University of East Anglia; Plymouth Marine Laboratory	High Latitude Environments	HE24E

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24-Feb	Plastics in the Ocean: Pathways, Impacts, and Analytical Advances I eLightning	Session	16:00	17:30	Hall 4, eLightning Theater 1	Maya Al Sid Cheikh; Shiye Zhao; Katsiaryna Pabortsava; Karin Kvale; Lingwei Li	University of Edinburgh; JAMSTEC Japan Agency for Marine-Earth Science and Technology; National Oceanography Centre; GNS Science; Ohio State University	Human-Ocean Connections	HC24 A
24-Feb	Exploring the Reactivity of Marine Dissolved Organic Matter with Consequences for Carbon Sequestration I Poster	Session	16:00	18:00	Hall 4 (Poster Hall)	Cristina Romera-Castillo; Dennis A Hansell; Sarah K Bercovici	Institut de Ciències del Mar (CSIC); University of Miami; National Oceanography Centre	Ocean Biology and Biogeochemistry	OB24 C
24-Feb	Atlantic Ocean Connectivity Across Latitudes: Large-Scale Processes, Observations, Modeling, and Impacts VI Poster	Session	16:00	18:00	Hall 4 (Poster Hall)	Ivenis Pita; Tillys Petit; Eleanor Frajka-Williams; Tiago Carrilho Bilo	University of Miami; National Oceanography Centre; University of Hamburg; School of Marine Sciences - The University of Maine	Physical Oceanography	PS24A
24-Feb	Modeling Biophysical Interactions in the Polar Oceans Across Spatial Scales: Ocean-Sea Ice Dynamics, Climate Sensitivity, and Ecosystem Response I Poster	Session	16:00	18:00	Hall 4 (Poster Hall)	Emma F Young; Sally E Thorpe; Chelsey Adrienne Baker; Erik Behrens	British Antarctic Survey; National Oceanography Centre; Earth Sciences New Zealand	Physical-Biological Interactions	PI24C
24-Feb	Causes and Impacts of Record Low Winter Antarctic Sea-Ice : The 2023 Event and Beyond	Polar Air-Sea Interactions in a Warming Climate I Poster	16:00	18:00	Hall 4 (Poster Hall)	Simon Josey	National Oceanography Centre	Air-Sea Interactions	AI24A
24-Feb	The impact of a subpolar North Atlantic freshwater anomaly on regional winter climate	Changing Midlatitude Oceans: Dynamics, Predictability, and Links to the Atmosphere and Marine Ecosystems II Poster	16:00	18:00	Hall 4 (Poster Hall)	Jeremy Grist	National Oceanography Centre	Climate and Ocean Change	CC24 A

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24-Feb	Wind Modulation of Thermocline Feedback During Development of El Niño	Variability and Predictability of Indo-Pacific Ocean Circulation and Climate II Poster	16:00	18:00	Hall 4 (Poster Hall)	Sreevathsa Golla	National Oceanography Centre	Climate and Ocean Change	CC24I
24-Feb	Towards an International Seamount Science Program	Seamounts at the Nexus of Ocean Science II Poster	16:00	18:00	Hall 4 (Poster Hall)	Alex Rogers	National Oceanography Centre	Deep Sea Exploration	DS24 A
24-Feb	Global quantification of the lipid pump with Diapause-MEDUSA	Animal-Mediated Carbon Pathways: The Role of Metazoans in the Biological Carbon Pump III Poster	16:00	18:00	Hall 4 (Poster Hall)	Andrew Yool	National Oceanography Centre	Ocean Biology and Biogeochemistry	OB24 A
24-Feb	Development of a fluorescence-based lab-on-chip sensor for in-situ dissolved ammonia measurements	Advancing Ocean Science with Autonomous Vehicles and Sensor Technologies VII Poster	16:00	18:00	Hall 4 (Poster Hall)	Matthew Patey	National Oceanography Centre	Ocean Technology and Observatories	OT24 D
24-Feb	DEVELOPMENT OF AN IN-SITU SENSOR FOR SULPHIDE MEASUREMENTS IN THE BLACK SEA	Advancing Ocean Science with Autonomous Vehicles and Sensor Technologies VII Poster	16:00	18:00	Hall 4 (Poster Hall)	Sebastian Steigenberger	National Oceanography Centre	Ocean Technology and Observatories	OT24 D
24-Feb	Multipathway Data Telemetry: Demonstrating instrument control and data recovery at the 26N RAPID Array	Advancing Ocean Science with Autonomous Vehicles and Sensor Technologies VII Poster	16:00	18:00	Hall 4 (Poster Hall)	Chris Cardwell	National Oceanography Centre	Ocean Technology and Observatories	OT24 D

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24-Feb	Evaluating AMOC sensitivity to observing system design using a high-resolution ocean model	Atlantic Ocean Connectivity Across Latitudes: Large-Scale Processes, Observations, Modeling, and Impacts VI Poster	16:00	18:00	Hall 4 (Poster Hall)	Bablu Sinha	National Oceanography Centre	Physical Oceanography	PS24A
24-Feb	Controls on Dense Water Formation Along the Path of the North Atlantic Subpolar Gyre	Atlantic Ocean Connectivity Across Latitudes: Large-Scale Processes, Observations, Modeling, and Impacts VI Poster	16:00	18:00	Hall 4 (Poster Hall)	Oliver Tooth	National Oceanography Centre	Physical Oceanography	PS24A
24-Feb	BRAIN, a framework for processing real-time high-volume data on board autonomous underwater vehicles	Innovative Autonomous and Robotic Systems for Persistent Ecosystem Intelligence I eLightning	16:24	16:27	Hall 4, eLightning Theater 2	Alex Baldwin	National Oceanography Centre	Ocean Technology and Observatories	OT24 A

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