

Department Seminar (hybrid and via ZOOM)

Physical Oceanography and Instrumentation

Summer Session 2024

Dr. Matthias Gröger (Matthias.groeger@io-warnemuende.de), **Dr. Bronwyn Cahill** (Bronwyn.cahill@io-warnemuende.de)

Tuesday, 16 April, 13:00h	Lin Lin (Max Planck Institute for Meteorology, Hamburg, Germany)	The ocean internal variability analysis in the marginal seas
Tuesday, 23 April, 13:00h	Ole Richter (Faculty of Mechanical Engineering and Ship Engineering, University of Rostock, Germany)	Ice shelf-ocean interaction at shallow depths needs more attention
Tuesday, 7 May, 13:00h	Ashley Barnes (Research School of Earth Sciences, Australian National University, Canberra, Australia)	More science, less regridding: a python package for regional model setup in MOM6
Tuesday, 14 May, 13:00h	Marvin Lorenz	tbd
Tuesday, 21 May, 11:00h	Giorgia Verri (Institute for Earth System Predictions, Global Coastal Ocean Division, Centro Euro-Mediterraneo sui Cambiamenti Climatici, Lecce, Italy)	Low to high complexity modeling of the estuaries
Tuesday, 28 May, 13:00h	Saeed Hariri	Investigating the Influence of Sub-mesoscale Current Structures on Baltic Sea Connectivity Through a Lagrangian Analysis
Tuesday, 11 June, 13:00h	Bjoern Maronga (Institute of Meteorology and Climatology, Leibniz University Hannover, Germany)	Turbulence-resolving simulation of the lower atmospheric boundary layer using the PALM model system and perspectives for applications for studying the boundary layers at the air-sea interface
Tuesday, 18 June, 13:00h	Anna Adriana Anschütz	The importance of integrating mixoplankton into marine ecosystem policy and management
Tuesday, 25 June, 13:00h	Johannes Becherer (Institute of Oceanography, University of Hamburg, Germany)	Using physics-informed machine learning to predict the future evolution of marine heat waves in shelf seas
Tuesday, 2 July, 13:00h	Siren Rühs (Institute for Marine and Atmospheric Research, Utrecht University, The Netherlands)	Impact of waves and tides on regional surface particle dispersal simulations
Tuesday, 9 July, 13:00h	Hans Burchard	Mixing - exchange flow relation in estuaries
Tuesday, 16 July, 13:00h	Leonie Barghorn	How the Atlantic Multidecadal Variability affected recent sea surface temperature trends in the Baltic Sea