

# Department Seminar

## Physical Oceanography and Instrumentation

### Winter Session 2024/2025

Dr. Matthias Gröger ([matthias.groeger@io-warnemuende.de](mailto:matthias.groeger@io-warnemuende.de))

Tuesday, 15 October, 13:00 h	<b>Xiangyu Li</b>	Impact of Islands on Tidally Dominated River Plumes: A High-Resolution Modeling Study
Tuesday, 22 October, 13:00 h	<b>Óscar Álvarez Silva</b> (Dept. of Physics and Geosciences, Universidad del Norte, Barranquilla, Colombia)	On the dynamics of the estuary and plume of the Magdalena River, the largest tributary of the Caribbean Sea
Tuesday, 29 October, 13:00 h	<b>Knut Klingbeil</b>	On the instantaneous salt mixing due to freshwater boundary fluxes
Tuesday, 5 November, 13:00 h	<b>Robert Hetland</b> (Pacific Northwest National Laboratory, Richland, WA, USA)	Coastal Earth System Modelling
Tuesday, 12 November, 13:00 h	<b>Mohan G. Sreesh</b> (AWI, Bremerhaven)	Phytoplankton Nutrient Uptake Plasticity and Future Ocean Productivity: The Emergence of Anthropogenic Changes in the carbon to phosphorus ratio of Marine Organic Matter
Tuesday, 19 November, 13:00 h		
Tuesday, 26 November, 13:00 h	<b>Ulf Gräwe</b>	How to find a representative year?
Tuesday, 3 December, 13:00 h	<b>Christian Rodehacke</b> (AWI, Bremerhaven)	tbd
Tuesday, 10 December, 13:00 h		
Tuesday, 17 December, 13:00 h	<b>Adolf Stips</b> (Joint Research Centre, Ispra, Italy)	Assess the Eutrophication Status of the Baltic Sea with new concepts and Neural Networks
Tuesday, 7 January, 13:00 h	<b>Kai Håkon Christensen</b> (University of Oslo, Norway)	Air-sea interactions in operational oceanography
Tuesday, 14 January, 13:00 h	<b>Leonie Barghorn</b>	Future projections of European Sea climate and links to the Atlantic Multidecadal Variability
Tuesday, 21 January, 13:00 h	<b>Hagen Radtke</b>	Physics in combined Eulerian-Lagrangian modelling - challenges and opportunities
Tuesday, 28 January, 13:00 h	<b>Vijayakumaran Vijith</b> (Helmholtz-Zentrum hereon, Geesthacht)	An overview of the oceanographic processes and fisheries in the Bay of Bengal