

Tuesday, 7th July 2026

Scientific Colloquium on Coastal Physical Oceanography 2026

on the occasion of Professor Hans Burchard's retirement



Estuarine dynamics

09:00-09:30	Rocky Geyer Keynote speaker	The evolution of estuarine mixing
09:30-09:50	Henk Schuttelaars	
09:50-10:10	Matias Duran Matute	A multi-decadal study of Lagrangian transport in the Dutch Wadden Sea
10:10-10:30	Robert Kopte	Tidal Modulation of Turbulence in Fluid Mud: Insights from the Ems Estuary
10:30-10:50	Marvin Lorenz	Studying the inverse Baltic Sea - A PhD journey with Hans
10:50-11:20	<i>Coffee break</i>	

Coastal ocean dynamics

11:20-11:40	Melanie Fewings	Density stratification over the Northern California Current continental shelf and slope and its relation to the permanent halocline of the greater Northeast Pacific Ocean
11:40-12:00	Lloyd Reese	
12:00-12:20	Julie Pietrzak	The ups and downs in the Norwegian Trench: unique observations of coastal trapped waves, upwelling and downwelling
12:20-12:40	Manuel Ruiz Villarreal	Simulating Hydrodynamic and Biogeochemical Dynamics Across Contrasting North Atlantic Ecosystems Using GOTM
12:40-14:00	<i>Lunch break</i>	

Shelf seas

14:00-14:20	Tom Rippeth	Biogeochemical consequences of diapycnal mixing in seasonally stratifying shelf seas: Present and Future
14:20-14:40	Adolf Stips	The multidecadal delay of the Baltic Sea ecosystem recovery
14:40-15:00	Corinna Schrum	Late to the Party: How GOTM Accelerated Ecosystem and Pollution Model Development and application at Hereon
15:00-15:20	Markus Meier	Submesoscale structures in the Baltic Sea: A high-resolution, multi-annual modelling study
15:20-15:40	<i>Coffee break</i>	

Waves and surface ocean

15:40-16:00	Jeff Carpenter	Quasi-Waves: the strange behaviour of gravity waves in sheared flows
16:00-16:20	Johannes Gemmrich	
16:20-16:40	Carsten Eden	Surface waves and ocean
16:40-17:00	Lars Umlauf	

17:00	<i>The End</i>	
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