

# Eddy-Wave Meeting

28-30 April 2026, Hamburg



28 April		29 April		30 April	
9:00-9:30	Registration				
09:30-09:45	Introduction				
09:45-10:30	<b>Leo Maas</b>	09:30-10:15	<b>Pascale Lelong</b>	09:45-10:30	<b>Yasushi Fujiwara</b>
10:30-11:00	Yilin Xiao	10:15-11:00	<b>Julian Mak</b>	10:30-11:00	Marc Buckley
11:00-11:30	Break				
11:30-12:00	Dirk Olbers		Alexa Griesel		Carsten Eden
12:00-12:30	Ojesh Koul		Marcel Oliver		Jeff Carpenter
12:30-13:00	<i>Poster Pitches I</i>		<i>Poster Pitches II</i>		Remi Tailleux
13:00-14:00	Lunch ( <i>Poster viewing open</i> )			13:00-14:00	Lunch
14:00-15:30	<i>Poster Session I</i>		<i>Poster Session II</i>	14:00-14:30	Jin-Song von Storch
15:00-15:30	Break ( <i>Poster session contd.</i> )			14:30-15:00	Michael Cox
15:30-16:00	Manita Chouksey		Anusree A	15:00-15:30	Break
16:00-16:30	Jun-ichi Yano		Robin Rolland	15:30-16:00	Michal Shaham
16:30-17:00	Jens Rademacher		Anu Viswanathan Sreekumari Nath	16:00-16:30	Han Wang
17:00-17:30	Sergiy Vasylykevych		Ekaterina Bagaeva	16:30-17:00	Closing discussion
18:00—			Conference dinner (at your own expense)		

## Eddy-Wave Meeting, 28 April 2026, Day 1

Time slot	Speaker	Talk title
9:00-9:30	Registration	
09:30-09:45	Introduction ( <i>Carsten Eden and Manita Chouksey</i> )	
09:45-10:30	<b>Leo Maas</b>	<b><i>Waves and eddies in geophysical fluids</i></b>
10:30-11:00	Yilin Xiao	<i>Interactions of near-inertial waves and vortices under cyclogeostrophic balance</i>
11:00-11:30	B r e a k	
11:30-12:00	Dirk Olbers	<i>On wave-induced viscosity: revealing a long-standing mystery</i>
12:00-12:30	Ojesh Koul	<i>Optimal balance in geophysical models with non uniform Coriolis parameter</i>
12:30-13:00	<i>Poster Pitches I</i>	
13:00-14:00	Lunch ( <i>Poster viewing open</i> )	
14:00-15:30	<i>Poster Session I</i>	
15:00-15:30	Break ( <i>Poster session contd.</i> )	
15:30-16:00	Manita Chouksey	<i>The case of the invisible waves: emission by jets and fronts</i>
16:00-16:30	Jun-ichi Yano	<i>Tropical convective organization maintained by inverse cascade driven by gravity waves</i>
16:30-17:00	Jens Rademacher	<i>The curious occurrence of runaway modes</i>
17:00-17:30	Sergiy Vasylykevych	<i>Nonlinear normal modes flow decomposition on the sphere based on instantaneous wave phase speeds</i>

## Eddy-Wave Meeting, 29 April 2026, Day 2

Time slot	Speaker	Talk title
9:00-9:30	Registration	
09:30-10:15	<b>Pascale Lelong</b>	<i>Pathways to dissipation of near-inertial waves in the presence of mesoscale eddies</i>
10:15-11:00	<b>Julian Mak</b>	<i>Modelling of Southern Ocean decadal variability arising from eddy-mean interactions</i>
11:00-11:30	B r e a k	
11:30-12:00	Alexa Griesel	<i>Diagnosing kinetic energy cascades</i>
12:00-12:30	Marcel Oliver	<i>Near-resonant eddy-wave interactions on the sphere</i>
12:30-13:00	<i>Poster Pitches II</i>	
13:00-14:00	Lunch ( <i>Poster viewing open</i> )	
14:00-15:30	<i>Poster Session II</i>	
15:00-15:30	Break ( <i>Poster session contd.</i> )	
15:30-16:00	Anusree A	<i>Characteristics of mesoscale eddies in the South Indian Ocean and their impacts on basin-scale heat and salt transport</i>
16:00-16:30	Robin Rolland	<i>Internal tide - near-inertial wave interactions at deep seamounts around the critical latitude</i>
16:30-17:00	Anu Viswanathan Sreekumari	<i>Clustering and chaotic transport in deforming oceanic eddies</i>
17:00-17:30	Ekaterina Bagaeva	<i>Arctic Ocean tidal dynamics from high-resolution FESOM model</i>
18:00—	<i>Conference dinner (at your own expense)</i>	

## Eddy-Wave Meeting, 30 April 2026, Day 3

Time slot	Speaker	Talk title
9:00-9:30	Registration	
09:45-10:30	<b>Yasushi Fujiwara</b>	<b><i>Surface wave-induced mass transport and ocean current responses</i></b>
10:30-11:00	Marc Buckley	<i>In situ observations of wind-wave interactions</i>
11:00-11:30	B r e a k	
11:30-12:00	Carsten Eden	<i>Direct numerical simulations of surface wave-induced forces</i>
12:00-12:30	Jeff Carpenter	<i>The failure of normal modes in quantifying gravity wave propagation in shear flows.</i>
12:30-13:00	Remi Tailleux	<i>Revisiting the Lorenz energy cycle with exact local APE theory</i>
13:00-14:00	Lunch	
14:00-14:30	Jin-Song von Storch	<i>A novel EOF method for internal tide modal decomposition and its application to the Walvis Ridge region</i>
14:30-15:00	Michael Cox	<i>Scattering of internal gravity waves by inhomogeneities</i>
15:00-15:30	B r e a k	
15:30-16:00	Michal Shaham	<i>Do near-inertial waves enhance tracer transport across the mixed layer base?</i>
16:00-16:30	Han Wang	<i>Scale-dependent wave-mean decomposition of kinetic energy from surface drifters</i>
16:30-17:00	Closing discussion	

## Poster Session: 28 April 2026

<i>Poster Session I</i>	
<b>Presenter</b>	<b>Poster title</b>
Aditya Baksi	<i>Spatial filtering framework for scale-aware turbulence modeling on the ICON unstructured grid</i>
Amjad Hasan Peringampurath	<i>Stimulated wave emission by balanced flow</i>
Elizabeth Wilkinson	<i>Revisiting Rossby wave phase speeds: The impact of global vs. local reference states</i>
Erfan Mahmoudi	<i>Data-driven gravity wave source parameterization using machine learning</i>
Himanshu Mishra	<i>Does turbulence affect light scattering by ice crystals?</i>
Julia Dräger-Dietel	<i>Energy cascades and anomalous transport in ocean macroscopic turbulence from surface drifter observations of three cruises in the South Atlantic</i>
Juntian Chen	<i>On the interpretation of the pressure vertical velocity</i>
Pablo Sebastia Saez	<i>Internal gravity wave dynamics in three-dimensional geostrophically turbulent flows</i>
Ryoya Mizuno	<i>Effects of the air-side turbulence on the wind-wave interaction</i>
Sariaka Ramaherison	<i>Observed near-inertial wave propagation below the mixed layer following a hurricane in an internal tide-dominated region</i>
Silvano Rosenau	<i>Kelvin wave emission from interaction of balanced flow with boundaries</i>

## Poster Session: 29 April 2026

<i>Poster Session II</i>	
<b>Presenter</b>	<b>Poster title</b>
Akash Devgan	<i>Does ENSO set the footprint of extreme rainfall? Insights from dynamical eddy length scales</i>
Bijit Kumar Kalita	<i>Suppression of mesoscale eddy and river plume mediated submesoscale currents on the passage of a tropical cyclone</i>
Dakuan Yu	<i>Parametrisation of mesoscale eddies via kinetic energy backscatter and interaction with GM parametrisation</i>
Dominic Hillenkötter	<i>Computation of the Eddy Kinetic Energy budget from observations</i>
Hugo Lévy	<i>Adjoint-optimized parametrization of mesoscale eddies across the Cape Darnley continental slope</i>
Jabeen Safeer	<i>Submesoscale Dynamics in the Agulhas Ring Path</i>
Lena Dammermann	<i>Scale interactions of kinetic energy and their representation via subgrid closures</i>
Moritz Epke	<i>Drivers of the continuous oceanic energy spectrum at high frequencies: A realistic modeling approach</i>
René Schubert	<i>Submesoscale isallobaric effects</i>
Ruirui Wang	<i>Air-sea submesoscale interactions</i>
Swarnali Dhar	<i>Role of mixed layer turbulence on the generation of internal waves</i>