

Eddy Energy meeting MONDAY MAY 8		Eastern Daylight Time (GMT – 4)
8:30	Coffee	
Session Chair: Sylvia Cole		
9:00	Welcome	
9:10	Laure Zanna	Overview of the Eddy Energy CPT
9:35	Christopher Pitt Wolfe	Mixing Inferred from Coherent Mesoscale Eddies
9:55	Jan Rieck*	Meridional heat transport by mesoscale eddies in an idealized Southern Ocean
10:15	Weiguang (Roger) Wu	The role of air-sea interactions in SST signatures of mesoscale eddies and the implications for eddy lateral heat transport
10:35	Break	
Session Chair: Gustavo Marques		
11:05	5 min mini talks*	J. Dettmer, M. Reinert, E. Bagaeva, L. Clement
11:30	Jim Thomas*	Turbulent transition of a flow from small to $O(1)$ Rossby numbers
11:50	Takaya Uchida	Cautionary tales from the mesoscale eddy transport tensor
12:10	Lunch	
Session Chair: Elizabeth Yankovsky		
1:10	5 min mini talks	C.-Y. Chang, S. Jones, M. Huang, B. Zhang
1:35	Discussion	
2:00	Lynne Talley*	Global isopycnic temperature-salinity-pressure anomalies from Argo and water mass boundaries
2:20	Susan Wijffels	Average mode-1 eddies and their climate fluxes
2:40	Wenda Zhang	Scale-dependent vertical structure of eddy kinetic energy in an adiabatic ocean model
3:00	Break	
Session Chair: Alistair Adcroft		
3:30	Jacob Steinberg	A Landscape of Eddy Vertical Structure: methods of characterization and the role of environmental factors in controlling the vertical partitioning of kinetic energy
3:50	Beatriz Pena-Molino	Seasonal modulation of the Timor throughflow by small-scale motions
4:10	Chengyuan Pang*	Remote energy sources for mixing in the Indonesian Seas
4:30	Discussion	
5:00	End of Day 1	

*Virtual presentation (or undecided)

Virtual: Meeting link distributed via email.

In person: Clark 507, Quissett Campus, Woods Hole Oceanographic Institution

Eddy Energy Meeting, TUESDAY MAY 9		Eastern Daylight Time (GMT – 4)
8:30	Coffee	
Session Chair: Jenny Chang		
9:00	Julian Mak*	Mesoscale eddy parameterisation in numerical 'grey zone' ocean models
9:20	Bruno Deremble	Eddy-mean flow interaction with the Multiple Scale Quasi Geostrophic model
9:40	Simone Silvestri	A WENO-based Vector Invariant advection scheme for Implicit Ocean LES
10:00	5 min mini talks*	F. Goldsworth, D. Kamm, R. Juhbandt
10:20	Break	
Session Chair: Jake Steinberg		
10:50	Stephan Juricke*	Simulating ocean eddies: Parametrizations, diagnostics and impacts on the global ocean circulation
11:10	Elizabeth Yankovsky	A backscatter-only parameterization for mesoscale eddies
11:30	Gustavo Marques	Exploring the effects of energy backscatter parameterizations in forced ocean/sea-ice eddy-permitting global simulations with the Community Earth System Model
11:50	Discussion	
12:20	Lunch	
Session Chair: Wenda Zhang		
1:20	Pavel Perezhogin	A symbolic data-driven parameterization in an idealized configuration of a primitive equation model
1:40	Peter Korn	Parametrization Noise: Diagnosis and Treatment
2:00	Gregory Wagner	Calibration-driven parameterization development
2:20	Baylor Fox-Kemper	Turbulent energy sources in the ocean surface boundary layer globally
2:40	Xin Kai Lee*	Capturing vertical mixing in the oceanic boundary layer using neural differential equations
3:00	Break	
Session Chair: Gokhan Danabasoglu		
3:30	Scott Martin	Deep learning for improved mesoscale surface geostrophic current maps from satellite altimetry and sea surface temperature observations
3:50	Thomas Meunier*	Energy Decay of Coherent Eddies : Estimating the Impact of Wind-Current Coupling from In situ Observations and Satellite Altimetry
4:10	Yanxu Chen	Signature of mesoscale eddies on air-sea heat fluxes: strong compensation between SSH-SST coherent and incoherent eddies
4:30	Discussion	
5:00	End of Day 2	

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In person: Clark 507, Quissett Campus, Woods Hole Oceanographic Institution

Eddy Energy Meeting WEDNESDAY MAY 10		Eastern Daylight Time (GMT – 4)
8:30	Coffee	
Session Chair: Baylor Fox-Kemper		
9:00	Yan Wang*	Impact of Parameterized Isopycnal Diffusivity on Shelf-Ocean Exchanges under Upwelling-Favorable Winds
9:20	Huaiyu Wei	Parameterization for Eddy Buoyancy Fluxes Across Prograde Shelf/Slope Fronts
9:40	Miriam Sterl*	A generalized theory for suppression of mesoscale eddy mixing by topographic PV gradients
10:00	Gianluca Meneghello	Mesoscale turbulence in ice covered oceans
10:20	Break	
Session Chair: Laure Zanna		
10:50	Abigail Bodner	TBA
11:10	Andre Souza	When will we no longer need a CPT to develop mesoscale and submesoscale turbulence parameterizations?
11:30	Discussion	
12:00	Lunch / END OF MEETING	
1:00	CPT only meeting (Clark 201)	
3:00	End of CPT meeting	

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