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4th COMMODORE Workshop on Advancing Ocean Modeling: Bridging Theory, Computation, Scales, and Applications | (smr 4237)

Thursday 24 September 2026

- Kastler Lecture Hall (AGH) (09:00-18:30)

time	title	presenter
09:00	Separating Eddies and Waves at the Grid- Scale with a Split-Form Viscosity Scheme (Remote)	DARREN ENGWIRDA
09:30	Adjoint-constrained mesoscale eddy param. over the Antarctic continental slope	HUGO LÉVY
10:00	Thickness-weighted averaged eddy—mean decomposition of available potential energy	BENEDICT HATTON
10:30	Coffee Break	
11:00	Understanding the Resolved and Parameterised Ocean Energy Cycle	LÈNA DAMMERMANN
11:30	Implicit sequential filtering	SERGEY DANILOV
12:00	The Role of Numerical Mixing in AMOC Simulations	DMITRY SIDORENKO
12:30	Lunch Break	
14:30	A diffusive Beddington-DeAngelis Predator- Prey Model with fear effect	AUNG MYINT
15:00	Scalable Multi-GPU Ocean Modeling with JAX Native Sharding	SILVANO ROSENAU
15:30	Discussion session #6	
16:30	Excursion and Social Dinner	