



POSTER/LIGHTNING TALK PROGRAM

7 December 2022

POSTER ID	PRESENTING AUTHOR	STATUS	TITLE
1	Sonya Fiddes (Matt Woodhouse to present)	Research Associate	Does the model ever get it right?
2	Ruhi Humphries	CSIRO in-kind	Understanding the seasonal cycle of Southern Ocean aerosols
3	Sarah Thompson (Sue Cook to present)	Research Associate	NECKLACE – a sentinel of change
4	Christopher Trill	HDR candidate	Coupling biogeochemical cycles of iron and carbon in the Southern Ocean south of Australia
5	Christine Weldrick	Research Associate	A promising approach to counting heaps of very small things
6	Daniel Bagginstos	AAD in-kind	A new Australian gas lab for the MYIC project
7	Inessa Corney	HDR candidate	How zooplankton are contributing to subantarctic ecoregionalisation
8	Ed Doddridge	Research Associate	Advection, diffusion, or confusion – tracer fluxes in the Southern Ocean
9	Alexander Fraser	Research Associate	Antarctic landfast sea ice: Why it matters, what we know, and what's missing?
10	Meg Harlan	HDR Candidate	Fertilising the Southern Ocean: Using the Mount Brown South ice core to extend the Heard Island volcanic record

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11	Maya Jakes	HDR Candidate	Eddy stirring signatures in a standing meander of the Antarctic Circumpolar Current
12	Lingwei Zhang	HDR Candidate	Unknown features in DSS1617 ice core: Bubble free layer
13	Chelsea Long	HDR Candidate	Tracking the impact of ice core science
14	Jared Magyar	HDR Candidate	Modelling water-induced glacier seismic signals with hydrodynamic simulations
15	Scott Meyerink	AAPP	An integrated program to assess the deposition and solubility of aerosol trace metals to the Southern Ocean
16	Caleb Mynard	CSIRO	Measuring marine volatile organic compounds with a proton transfer reaction time-of-flight mass spectrometer (PTR-ToF-MS)
17	Felipe Vilela-Silva	HDR Candidate	Meanders in the Southern Ocean enhance air-sea interaction and water subduction
18	Xiang Yang	HDR Candidate	Drivers of air-sea CO ₂ flux in the subantarctic zone revealed by time series observations
19	Jakob Weis	CLeX student	Constraining the Contribution of Mineral Dust to the Southern Ocean Carbon Cycle
20	James Wyatt	HDR Candidate	Southern Ocean meridional fluxes within a gravest empirical mode climatology
21	Joel Pedro	AAD in-kind	Million Year Ice Core project
22	Elizabeth Shadwick	CSIRO in-kind	Observed amplification of the seasonal CO ₂ cycle at the Southern Ocean Time Series (no lightning talk)
23	Yuhang Liu	HDR Candidate	A reduction of the ocean heat transport towards Antarctic ice shelves by seafloor roughness
24	Anton Steketeer & Sean Chua	AAD in-kind	A platform for exploring the sea ice zone (live on screen)
25	Robert Strzepek	Research Associate	Microbial competition for iron in the Southern Ocean
26	Danielle Udy	HDR Candidate	Synoptic weather influence on Southern Annular Mode variability in East Antarctic ice cores

POSTER ID	PRESENTING AUTHOR	STATUS	TITLE
27	Calum Knight	HDR Candidate	Cloud properties above Southern Ocean sea ice
28	Jiaying Guo	HDR Candidate	Assessing the impacts of ocean alkalinity enhancement on the coastal plankton communities using mesocosms
29	Ruth Eriksen	CSIRO in-kind	An unusual phytoplankton bloom at the SOTS site: first observations of a multi-species dinoflagellate bloom
30	Ruth Eriksen	CSIRO in-kind	Tintinnids in the Southern Ocean: agglutinating communities with a focus on diatom and coccolithophorid consortia
31	Christopher Plummer	AAPP	Developing continuous flow analysis capability for Million Year Ice Core analysis
32	Paul Spence	IMAS in-kind	Wind sensitivity of Antarctic shelf waters and abyssal overturning
Lightning talk	Zhangcheng Pei	HDR Candidate	Can we do better in modelling the mixed-phase clouds over the Southern Ocean and Antarctica?
Lightning talk	Mariapina Vomero	HDR Candidate	The emperor's smooth floes -- or how fast-ice roughness affects Emperor penguin breeding success
Lightning talk	Katherine Baker	HDR Candidate	Understanding the role of micronekton in the export of carbon in the Southern Ocean

A PDF of all posters can be found [here](#).