



ACEAS

Australian Centre for Excellence in Antarctic Science

A Special Research Initiative of the Australian Research Council

ACEAS Research Forum

5 – 7 November 2025

Point of contact: ACEAS.Project.Office@utas.edu.au

Wednesday 5 November

Stanley Burbury Theatre

Sandy Bay Campus, University of Tasmania

Session 1: Welcome and Keynote Speakers

Chaired by Matt King

9:00 - 9:30	Coffee and Registration	
9:30 - 9:45	Director's welcome and overview	Matt King
9:45 - 10:15	Keynote Speaker	Prof Nerilie Abram, FAA (AAD)
10:15 - 10:45	Keynote Speaker	Prof Michael Meredith (Joint Director UK National Climate Science)
10:45 - 11:15	Morning Tea	
Science Session 1: Earth – Ice		
Chaired by Alan Aitken		
11:15 - 11:30	The Solid Earth Beneath Antarctica: Interactions with the Ice Sheet Over Space and Time	Rhodri Davies
11:30 - 11:45	Bed topography and subglacial conditions of Denman Glacier, East Antarctica: Insights from geophysical data	Coti Manassero and Mareen Loesing
11:45 - 12:00	A tectonically controlled Denman Trough?	Jo Whittaker
12:00 - 12:15	Past dynamics of the Cook Glacier: Insights from sedimentary provenance techniques	Jim Trihey
12:15 – 13:45	Lunch	

Science Session 2: Ice – Ocean Chaired by Kaihe Yamazaki		
13:45 - 14:00	State-of-the-gyre: modes of Ross Gyre circulation under local and remote forcing	Julia Neme
14:00 - 14:15	What lies beneath: has CDW accessed the Shackleton Ice Shelf cavity in the Holocene?	Matt Jeromsom
14:15 - 14:30	Sensitivity of the abyssal overturning cell to increased Antarctic basal melting	Fabio Boeira Dias (Online)
14:30 - 14:45	The role of subglacial laden sediment in shaping grounding zone bathymetry and ice shelf basal melting	Paola Papapetros
14:45 - 15:00	Lightning Talks	Poster Session 1 presenters
Poster Session 1 This session will include coffee, tea and light refreshments		
15:00 - 16:20	Poster Session	

Thursday 6 November Sir Stanley Burbury Theatre University of Tasmania, Sandy Bay Campus		
9:00 - 9:30	Coffee and Registration	
Discussion Sessions Centenary Building		
9:30 – 10:45	Continuing DTC & DMV Interdisciplinary collaboration	Anya Reading Annie Foppert
	Connecting ocean models to observations	Helen Philips Matt England
	Connecting ocean ecosystems to ocean circulation	Sophie Bestley Alex Sen Gupta
	Connecting Antarctic mass loss with sea level changes	Paola Papapetros Paul Tregoning

	Future priorities in Antarctic Research	Adele Morrison Amelie Meyer
10:45 - 11:15	Morning Tea	
11:15 - 12:15	Discussion Session Reporting	
12:15 - 13:45	Lunch	
Science Session 3: Ocean – Atmosphere Chaired by Tamara Schlosser		
13:45 - 14:00	Dynamics of Downslope Flow over the Antarctic Continental Shelf under the Influence of Convection and Surface Wind Stress	Kunal Inparaja
14:00 - 14:15	Bathymetric uncertainty and ocean currents around Antarctica	Ed Doddridge
14:15 - 14:30	Ice shelf melt feedback driven by a slowdown in the abyssal overturning circulation	Matt England
14:30 - 14:45	Antarctic meltwater and its influence on the climate system	Wilma Huneke
14:45 - 15:00	Lightning Talks	Poster Session 2 presenters
Poster Session 2 This session will include coffee, tea and light refreshments		
15:00 - 16:20	Poster Session	
Social Event A taste of the Antarctic aboard the Spirit of Hobart		
16:20 - 16:50	Bus Charter - Commute to Murray St Pier	
16:50 - 19:50	Taste of the Antarctic Light dinner and drinks included	

Friday 7 November

Stanley Burbury Theatre

University of Tasmania, Sandy Bay Campus

Legacy and Benefit Session

Chaired by Zanna Chase

8:30 - 9:00	Coffee and Registration	
9:00 - 10:30	Legacy and Benefit Presentation 10 minutes each	Vanessa Lucieer Julia Blanchard Jim Trihey Wilma Huneke Neve Clippingdale Karen Palmer (Online) Noémie Friscourt (Online) Pat Wongpan
10:30 - 11:00	Morning Tea	
Panel Session: Engagement outside academia Chaired by Carl Bennett		
11:00 - 12:15	Panel Discussion Session	Prof Nerilie Abram FAA (AAD) Jano Gibson (ABC Antarctic Journalist) Dr Sue Barrell AO FTSE Dr Michelle Heupel (IMOS)
12:15 - 13:15	Lunch	
Science Session 4: Biology – Ocean – Climate Chaired by Yuhao Dai (ANU)		
13:15 - 13:45	Lessons from Geoengineering: How Ozone depletion affects southern hemisphere environments	Prof Sharon Robinson (University of Wollongong)

13:45 - 14:00	Challenges and opportunities for Southern Ocean marine predator conservation management and monitoring	Mary-Anne Lea
14:00 - 14:15	The metabolic role of copper in iron-limited Southern Ocean phytoplankton	Sam Eggins
14:15 - 14:30	The response of deep chlorophyll features in the Denman region to increased light and ligand-bound iron	Talitha Nelson
14:30 - 14:45	Assessing the role of iron as a productivity driver in East Antarctic coastal polynyas using bio-optical observations	Jakob Weis
Close of Forum		
14:45 - 15:15	Close of forum and prizes awarded	Matt King