

AUSTRALIAN ANTARCTIC RESEARCH CONFERENCE

Antarctic Science, Australia's Future

Tuesday 25 - Friday 28 August 2026

Hosted at the University of Tasmania, Hobart

Early Career Researchers (ECR) Day

Monday 24 August

LIGHTNING TALKS

TUESDAY: 1400 – 1415

Name	Poster Title	#
CLIMATE SYSTEM AND CHANGE		
Miss Katja Curtin <i>ANU</i>	Understanding Southern Ocean heat and carbon ventilation to improve climate projections	59
Dr Reka-Hajnalka Fulop <i>Ansto</i>	In situ cosmogenic C-14 systematic and its implication for Antarctic Ice-Sheet reconstruction	268
Ms Talia Hawkes <i>IMAS, UTAS</i>	Investigating the systematics of Pb isotopes in seawater at East Antarctica's Denman Glacier	226
Ms Alexandra Parrott <i>UTAS</i>	Examining the stability of the Lambert-Amery glacial system across the Mid-Pleistocene Transition using sedimentary records	141
BIODIVERSITY		
Dr Cara Masere <i>AAD</i>	Long-term monitoring of fish at Heard Island and McDonald Islands: Insights into biodiversity and management applications	275
FIELD CAMPAIGNS		
Dr Linda Armbrecht <i>University of Tasmania (IMAS)</i>	Cook Ice Ecosystems and Sediments - COOKIES (IN2026_V01)	142
Dr Abigail Smith <i>Australian Antarctic Division</i>	Krill Assisted Resuspension of Material to Atmosphere (KARMA): what goes down comes back around	86
MONITORING & DETECTING CHANGES		
Dr Alexandra Jurkiw <i>Geoscience Australia</i>	What controls your Southern Ocean and Antarctic Bathymetry Data – examples from recent RSV Nuyina voyages	62
SOCIAL SCIENCES & HUMANITIES		
Mrs Khush Bakht Rauf <i>University of Canterbury</i>	Effectiveness of the Antarctic Tourism Environmental Impact Assessment System	14
Dr Rupert Summerson <i>Independent Scholar</i>	The Wanderer. Representing a Southern Ocean icon in music.	262
Mrs Wei Xing <i>University of Canterbury</i>	Evaluating the Adaptiveness of the Antarctic Treaty System	178

AUSTRALIAN ANTARCTIC RESEARCH CONFERENCE

Antarctic Science, Australia's Future

Tuesday 25 - Friday 28 August 2026

Hosted at the University of Tasmania, Hobart

Early Career Researchers (ECR) Day

Monday 24 August

LIGHTNING TALKS

WEDNESDAY: 1400 – 1415

CLIMATE SYSTEM AND CHANGE

Ms Harriet Easterbrook <i>University Tasmania</i>	The source of recent polar Southern Ocean warming	158
Dr Ezhilsabareesh Kannadasan <i>ACCESS-NRI / Australian National University</i>	Towards a fully coupled ocean sea-ice wave configuration in ACCESS-OM3	258
Mr Jenan Rajavarathan <i>University of Tasmania</i>	Sensitivity of Antarctic GPS-derived bedrock motion to surface mass balance loading corrections and reference-frame realisation strategies	119
Mr John Reilly <i>University of Tasmania</i>	Towards Dynamic Ice-Sheet Coupling in the ACCESS Earth System Model	225

BIODIVERSITY

Mr Fernando Mejia Gonzalez <i>James Cook University</i>	Unfreezing the genome of an Antarctic octopus: Chromosome-level assembly and genome annotation of <i>Adelieledone adeliae</i>	117
---	---	-----

FIELD CAMPAIGNS

Dr Shavawn Donoghue <i>Australian Antarctic Division</i>	The trajectory of the southern elephant seal (<i>Mirounga leonina</i> L.) population at Heard Island (1948-2025), a South Indian Ocean World Heritage property	182
--	---	-----

MONITORING & DETECTING CHANGES

Dr Samuel Beale <i>Monash University</i>	Unveiling the environmental drivers of plant trait variation across Macquarie Island	170
Dr Jenny Giles <i>CSIRO</i>	An authoritative reference library for eDNA in the Southern Ocean	254
Dr Angus Henderson IMAS	Contrasting abundance trajectories for recovering baleen whales under rapidly changing human pressures in the Antarctic Peninsula region	231
Ms Yushan Song <i>University of Tasmania</i>	Three-Dimensional Modelling of Marine Ice Shelf Fracture and Instability Using a Hybrid Finite-Discrete Element Method with Simplified Hydrodynamics	219
Mr Neal Young <i>AAPP</i>	Wide-area mapping of the Antarctic surface wind field from Thermal-Infra-Red images	272

AUSTRALIAN ANTARCTIC RESEARCH CONFERENCE

Antarctic Science, Australia's Future

Tuesday 25 - Friday 28 August 2026

Hosted at the University of Tasmania, Hobart

Early Career Researchers (ECR) Day

Monday 24 August

LIGHTNING TALKS

THURSDAY: 1400 – 1415

CLIMATE SYSTEM AND CHANGE

Dr Alexander Fraser <i>Australian Antarctic Program Partnership</i>	Producing a fully automated climate data record of Antarctic landfast sea ice	96
Ms Kelly-anne Lawler <i>Australian National University</i>	Radiolarian-based reconstructions of upper ocean conditions at the Sabrina Coast, East Antarctica, during Late Quaternary interglacial periods	264
Miss Chen Zhang <i>University of Tasmania</i>	Characterising fine-scale variability of gases in the shallow Million Year Ice Core	197

BIODIVERSITY

Dr Tess Hutchinson <i>Monash University</i>	Pushing the limits of life: Antarctic microbial activity below -40°C	122
Ms Emily Miller <i>University of Tasmania, Institute for Marine and Antarctic Studies</i>	Reconstructing Holocene ecosystem shifts beneath the Shackleton Ice Shelf using sedaDNA and lipid biomarkers	47
Mr Anton Rocconi <i>Australian Antarctic Division</i>	The Southern Ocean research aquarium (SOra)	130

FIELD CAMPAIGNS

Dr Bowen Zhang <i>CSIRO</i>	Composition and ecological implications of marine debris at Heard Island: a UNESCO World Heritage Site	183
---------------------------------------	--	-----

MONITORING & DETECTING CHANGES

Mr Cameron Cooper <i>University of Tasmania</i>	Extracting velocity data of the Denman Glacier from timelapse photography	222
Ms Deirdre Hanrahan-Tan <i>AAPP, IMAS, UTAS</i>	Genomics of the Southern Ocean carbon pump: a deep dive into the SOTS sediment trap archive	223
Mr Simon Ramirez <i>University of Tasmania</i>	Deciphering Wind Speed and Direction from Near-Sensor Antarctic Seismic Signals	140

AUSTRALIAN ANTARCTIC RESEARCH CONFERENCE

Antarctic Science, Australia's Future

Tuesday 25 - Friday 28 August 2026

Hosted at the University of Tasmania, Hobart

Early Career Researchers (ECR) Day

Monday 24 August

LIGHTNING TALKS

THANK YOU TO OUR PARTNERS AND SUPPORTERS

LIGHTNING TALKS SPONSOR



CONFERENCE PARTNERS



DESTINATION PARTNER

**BUSINESS
EVENTS
TASMANIA**