



Symposium 2023



Day 1: Tuesday 17 October 2023

**Venue: Hobart Function and Conference Centre, Sovereign Room
1 Elizabeth Street Pier**

Zoom: to be released prior to Symposium

| WHEN | WHAT | WHO |
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| SESSION 1 | DAY ONE – OUR RESEARCH | Chair – Nathan Bindoff |
| 09:00 - 09:05 | Acknowledgment of country | Nathan Bindoff |
| 09:05 – 09:35 | Welcome | Young Dawkins |
| 09:35 – 09:50 | Introduction to Symposium State of the AAPP | Nathan Bindoff |
| 09:50 – 10:25 | Morning tea + poster viewing | |
| SESSION 2 | PROJECT PRESENTATIONS | Chair – Petra Heil |
| 10:30 – 10:40 | <i>Understanding Southern Ocean aerosol, cloud and radiative biases using observations, models and machine learning</i> | Sonya Fiddes Project 1 – Atmosphere |
| 10:40 – 10:50 | <i>Mean ocean temperature reconstructions from noble gases in ice cores</i> | Daniel Baggenstos Project 2 – Ice Cores |
| 10:50 – 11:00 | <i>Insights into Antarctic Ice Sheet projections: basal sliding sensitivity analysis using Elmer/Ice</i> | Chen Zhao Project 3 – Ice Shelves |
| 11:00 – 11:10 | <i>Antarctic Bottom Water variability across multiple time scales</i> | Annie Foppert Project 4 – Oceanography |
| 11:10 - 11:20 | QUESTIONS | |
| 11:20 – 11:30 | <i>Leveraging time series data to understand carbon cycling and change</i> | Cathryn Wynn-Edwards Project 5 – Biogeochemistry |
| 11:30 – 11:40 | <i>Antarctic Sea Ice and its Primary Production</i> | Pat Wongpan Project 6 – Sea Ice |

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| 11:40 – 11:50 | <i>How close are we to developing a whole-of-ecosystem model for the Southern Ocean</i> | Stuart Corney Project 7 – Krill and Ecosystems |
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| 11:50 - 12:00 | QUESTIONS | |
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| 12:00 – 13:10 | Lunch + poster viewing | |
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| SESSION 3 | AAPP HDRs | Chair – Elizabeth Shadwick |
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| 13:10 – 13:20 | <i>From Big Ben to Mount Brown: atmospheric transport, cryptotephra, and iron fertilization</i> | Meg Harlan |
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| 13:20 – 13:30 | <i>Ice-associated primary production in the Antarctic</i> | Laura Dalman |
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| SESSION 4 | Visiting academic | |
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| 13:30 – 13:40 | <i>Snow on Sea Ice: A Continuous Rubik's Cube</i> | Amy Macfarlane |
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| SESSION 5 | Key Fieldwork and Future Plans | Chair – Sue Cook |
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| 13:45 – 13:55 | SWOT Voyage | Benoit Legresy |
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| 13:55 – 14:05 | SOTS and Prydz Bay | Elizabeth Shadwick |
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| 14:05 – 14:15 | MISO Voyage | Annie Foppert |
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| 14:15 – 14:25 | Denman Terrestrial Campaign | Sarah Thompson |
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| 14:25 – 14:40 | Afternoon Tea | |
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| 14:40 – 14:50 | Million Year Ice Core season | Joel Pedro |
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| 14:50 – 15:00 | Ocean-Sea Ice-Atmosphere Observatory for RSV <i>Nuyina</i> | Petra Heil |
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| 15:00 – 16:00 | Lightning Talks | Timekeeper - Pam Quayle |
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| 16:00 – 16:50 | Keynote speaker | Stefan Rahmstorf (online) |
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| 17:00 – 18:00 | Posters + refreshments | Nathan Bindoff |
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Day 2: Wednesday 18 October 2023
Venue: Hobart Function and Conference Centre, Sovereign Room
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| WHEN | WHAT | WHO |
|----------------------|---|---|
| SESSION 1 | DAY TWO – OUR IMPACTS | Chair – Tessa Vance |
| 09:00 – 09:55 | Sea ice, Antarctic Bottom Water and the media <ul style="list-style-type: none"> • update on sea ice and bottom water science • discuss media and communication strategies • Q&A | Moderator: Mark Horstman Steve Rintoul Ed Doddridge Ariaan Purich Matthew England |
| 09:55 – 10:30 | Morning Tea | |
| SESSION 2 | | Chair – Tessa Vance |
| 10:30 – 11:25 | Is the IPCC still relevant? | Moderator: Greg Johannes Mark Howden Greta Pecl Nathan Bindoff Melanie Ford |
| SESSION 3 | | Chair – Simon Alexander |
| 11:25 – 12:20 | The Scientist: adviser, advocate or activist? <ul style="list-style-type: none"> • engaging with policy-makers/shapers about the implications of research • define ‘advice’, ‘advocacy’ and ‘activism’ • what policy-makers need to hear from scientists | Moderator: Tessa Vance Stephanie Downes Anna Reynolds Anthony Kiem (online) |

12:20 – 12:30

Poster and Student Prizes

- Best HDR Lightning Talk
- Best Research Associate Lightning Talk
- Best Collaborator Lightning Talk
- Best Individual Poster
- Best Team Poster

Nathan Bindoff

12:30 – 14:00

Lunch

Marine Ecosystem Assessment for the
Southern Ocean (MEASO) - Summary for
policymakers
Launch

12:45 -1:45
Sir Guy Green
CCAMLR delegates

Responders: Andrew Constable, Jess
Melbourne-Thomas, Stuart Corney

END