

2024 Annual Workshop  
(From Climate Extremes to Future Weather)  
Location: Rydges Resort Hunter Valley

Time	Monday 4 <sup>th</sup> November	Room
8:45 – 9:00	Arrival tea and barista coffee	Exhibition Suite
9:00 – 13:00	Early Career Researcher Day	Merlot
16:30 – 17:30	<b>Educational activity ‘Tasting the Weather on our Palate’ and networking event and Registration</b>	Pergola
17:30 – 21:00	<b>Welcome dinner and drinks</b>	Pergola
8:45 – 13:15	Childcare	Water Dragons Kids Club

Time	Tuesday 5 <sup>th</sup> November	Room
8:45 – 9:00	Arrival tea and barista coffee	Exhibition Suite
9:00 - 9:15	Welcome and opening comments by the workshop committee	Cabernet
9:15 - 10:10	<b>State of the Centres</b> – Andy Pitman and Christian Jacob	Cabernet
10:10-11:00	<b>Theme 1: Prediction and projection of extremes in a warming world</b> <ul style="list-style-type: none"> <li>• Keynote: Sarah Perkins-Kirkpatrick (40 mins + 10 mins Qs) <i>Prediction &amp; Projection of Extremes: Breakthroughs by Climate Extremes &amp; Future Directions for 21st Century Weather</i></li> </ul> <b>Chairs:</b> Jemma Jeffree and Nick Grosfeld	Cabernet
11:00 – 11:30	<b>Morning Tea</b>	Exhibition Centre
11:30 – 12:30	<b>Theme 1: Prediction and projection of extremes in a warming world</b> <ul style="list-style-type: none"> <li>• Amanda Maycock (25 mins + 5 mins Qs)</li> <li>• Nicola Maher <i>Projections in large ensembles</i></li> <li>• Shayne McGregor</li> <li>• Q&amp;A</li> </ul> <b>Chairs:</b> Jemma Jeffree and Nick Grosfeld	Cabernet
12:30 – 12:50	<b>Knowledge Brokerage and Media</b> – Angela Kaplish	Cabernet

12.50 – 13:50	<b>Lunch</b>	Exhibition Centre
13:50 – 14:20	<b>Lightning Lectures</b> Chair: Ruchit Kulkarni	Cabernet
14:20 – 16:10	<b>Poster session 1, combined with afternoon tea (served at 15:30)</b>	Merlot/ Exhibition Centre
16:10 – 17:10	<b>Research Talks</b> <ul style="list-style-type: none"> <li>• Felipe Da Silva <i>The impact of Antarctic Circumpolar Current on Air-Sea Interaction</i></li> <li>• Chiara Holgate <i>Australian drought: state of the science</i></li> <li>• Fadhilil Muhammad <i>On the Role of Convectively Coupled Equatorial Waves on Northern Australian Rainfall</i></li> <li>• Raina Roy <i>ENSO modulation of MJO teleconnections in the Southern Hemisphere</i></li> <li>• Q&amp;A (15 mins)</li> </ul> Chair: Mandy Freund and Greeshma Surendran	Cabernet
17:30 ~	<b>ECR social event and dinner</b> Dinner for non ECR-delegates' at own leisure	Lovedale Deck
8.45 - 17.15	<b>Childcare</b>	Water Dragons Kids Club

Time	Wednesday 6 <sup>th</sup> Nov	Room
8:45 – 9:00	Arrival tea and barista coffee	Exhibition Suite
9:00 – 10:50	<b>Theme 2: The role of dynamics in understanding extremes</b> <ul style="list-style-type: none"> <li>• Keynote: Michael Reeder (40 mins + 10 mins Qs) <i>Yin and Yang: The Dynamics of Heat and Rainfall Extremes</i></li> <li>• Guest speaker: Cathryn Birch <i>Rainfall as a driver of humid heat extremes across the global (sub)tropics</i></li> <li>• Michael Barnes <i>The evolution of cyclonic and anticyclonic Rossby wave breaking morphologies and their importance in extremes</i></li> <li>• Tim Raupach <i>Hailstorms: severe weather in a changing climate</i></li> <li>• Q&amp;A</li> </ul> Chairs: Jiaxin Shi and Raina Roy	Cabernet
10:50 - 11:15	<b>Morning tea</b>	Exhibition Centre
11:15 - 12:00	<b>Portfolio updates</b> 1) Computational Modelling System & Software Engineering Team	Cabernet

	2) Graduate Research Program (Hart)	
12:00 – 13:00	<b>Building a Community of Care</b> <b>Chair:</b> Melissa Hart <b>Zoom:</b> <a href="https://unsw.zoom.us/j/81462120397">https://unsw.zoom.us/j/81462120397</a> Meeting ID: 814 6212 0397 Passcode: 123456	Cabernet
13:00 - 14:00	<b>Lunch</b>	Exhibition Centre
14:00 – 14:10	<b>Group Photos</b>	
14:10 - 14:40	<b>Lightning Lectures</b> <b>Chair:</b> Denisse Fierro Arcos	Cabernet
14:40 - 16:30	<b>Poster session 2, combined with afternoon tea (served at 15:45)</b>	Merlot/ Exhibition Centre
16:30 – 17:30	<b>Breakout Sessions</b> <ul style="list-style-type: none"> <li>• <b>Contemporary Communication of Weather and Climate Change – panel:</b> Sarah Perkins-Kirkpatrick, Simon Torok, Iain Strachan and Kim Reid</li> <li>• <b>Words for weather, couplets for climate, songs for science:</b> Valentina Guzman Ortiz, Jon Page, Georgy Falster</li> <li>• <b>Internode collaborations should go beyond research:</b> Kial Stewart</li> <li>• <b>Climate Storylines: what are they and how are we using them?</b> Negin Nazarian and Tim Raupach</li> </ul>	Vintage 1 Vintage 2 Vintage 3 Verdelho
18:30 – 21:30	<b>Workshop Dinner</b>	Semillon Ballroom
8.45 - 17.45	<b>Childcare</b>	Water Dragons Kids Club

Time	Thursday 7 <sup>th</sup> Nov	Room
8:45 – 9:00	Arrival tea and barista coffee	Merlot Terrace
9:00 – 10:50	<b>Theme 3: High resolution modelling to understand extremes</b> <ul style="list-style-type: none"> <li>• Keynote: Neil Holbrook (40 mins + 10 mins Qs) <i>High resolution modelling to understand extremes</i></li> <li>• Guest speaker: Negin Nazarian (25 mins + 5 mins Qs) <i>High-Resolution Modelling for Urban Climate and Weather Science</i></li> <li>• Navid Constantinou</li> <li>• Sanaa Hobeichi <i>AI for Downscaling and Representing Regional Extremes</i></li> <li>• Q&amp;A</li> </ul> <b>Chairs:</b> Dongqi Lin and Janith Wanniarachchi	Cabernet

10:50 – 11:15	<b>Morning tea</b>	Merlot
11:15 – 11:45	<b>Lightning Lectures</b> <b>Chair:</b> Aditya Sengupta	Cabernet
11:45 – 13:00	<b>Poster Session 3</b>	Merlot
13:00 - 14:00	<b>Lunch</b>	Red Salt
14:00 - 15:00	<b>Net Zero: Panel Discussion</b> <ul style="list-style-type: none"> <li>• Alex Borowiak <i>The climate science behind net zero</i></li> <li>• Pete Strutton <i>Efficacy and impacts of marine CO2 removal</i></li> <li>• Nerilie Abram <i>Net-zero and climate accountability</i></li> <li>• Camille Mora <i>Loss and damage and climate justice in a net zero world</i></li> </ul> <b>Chair:</b> Gab Abramowitz	Cabernet
15:00 – 15:40	<b>Poster prizes – Melissa Hart</b> <b>CLEX and 21<sup>st</sup> Century Weather Wrap up and reflections - END</b>	Cabernet
15:40 – 15:45	<b>Afternoon tea (Grab &amp; Go- Takeaway onto the bus)</b>	Reception Lobby
16:00 – 16:10	<b>Coach departing to return to Sydney</b>	
8.45 – 15:45	<b>Childcare – ensure children are picked up on time</b>	Water Dragons Kids Club