Poster Session (Wednesday 9th 13:30-15:00 Gather Town)

1. Ben Hague - Bureau of Meteorology

The tide is high: new insights on coastal flood hazards.

Co-authors: Doerte Jakob, David Jones, Mathilde Ritman, Rodger Grayson, Stefan Talke

2. Acacia Pepler - Bureau of Meteorology

- a) Changes in extratropical lows, from the past to the future.
 - b) Changing spatial extent of rainfall

3. Bethan White - Bureau of Meteorology

A parameterisation for sea-breeze enhancement of convective rainfall in a global model.

Co-authors: Debbie Hudson, Christian Jakob, Soner Yorgun

4. Beth Ebert – Bureau of Meteorology

Improving forecasts of thunderstorm asthma by including low level moisture and optimising economic value.

Co-authors: Andrew Brown (University of Melbourne)

5. Susan Rennie – Bureau of Meteorology

a) Large-scale blending in ACCESS Numerical Weather Prediction.

Co-authors: Monika Krysta, Peter Steinle

b) BARRA2 Convective Scale Reanalysis over Australia.

Co-authors: Chun-Hsu Su, Joshua Torrance, Imtiaz Dharssi, Emma Howard, Christian Stassen

6. Navid Ghajarnia – Bureau of Meteorology

Process-Based Model Evaluation using Functional Relationships

7. David Hoffmann – Bureau of Meteorology

Citizen Science and High Impact Weather: Bridging Gaps in the Warning Value Chain.

Co-authors: Marion Tan, Beth Ebert, Alicia Cui, David Johnston

8. Jozef Syktus - University of Queensland, Department of Environment and Science

Queensland approach to Climate Projections and Services - State level perspective or High resolution CMIP6 downscaled climate projections for Australia.

Co-authors: Ralph Trancoso

9. Ian Macadam - CSIRO Climate Science Centre

Meeting the Climate Intelligence needs of Australian business.

Co-authors: Mark Hemer, Ian Macadam

10. Kate Brand - Bureau of Meteorology

Space weather and space flight in the Bureau (draft title).

Co-authors: Zandria Farrell, Gavin Baird

11. Ryan Holmes - Bureau of Meteorology

Seasonal sea level forecasts from ACCESS-S2 for the Australian coastline

Co-authors: Claire Spillman, Grant Smith

12. Karen Palmer - University of Tasmania

Measure sea level variability using the Tide Peaks Toolbox.

13. Fitsum Woldemeskel – Bureau of Meteorology

Implementation of a gridded river routing scheme for land surface models and evaluation of streamflow across Australia.

Co-authors: Christoph Rüdiger, Zaved Khan, Dai Yamazaki, Hugh Zhang, Toby Marthews, Jiawei Hou Imtiaz Dharssi, Chun-Hsu Su

14. Saima Aijaz - Bureau of Meteorology

Verification and inter-comparison of ocean currents from multiple global ocean models.

Co-authors: Gary Brassington, Charly Regnier, Prasanth Divakaran, Marie Drevillon, Andrew Peterson

15. Hongyan Zhu – Bureau of Meteorology

Case studies of Tropical Cyclone ensemble forecast in GC4.

Co-authors: Debbie Hudson

16. Morwenna Griffiths - Bureau of Meteorology

Improving ACCESS-S2 with ADFD.

Co-authors: Rob Taggart

17. Hamideh Kazemi – Bureau of Meteorology

Downscaling AWRA pet data for hydrological application.

Co-authors: Prasantha Hapuarachchi, Fitsum Woldemeskel, Catherine Wilson, Alex Cornish

18. Mohammad Hasan – Bureau of Meteorology

An in-depth analysis of recent decade's floods in Australia.

19. Grant Smith - Bureau of Meteorology

Marine heatwave prediction from weeks to months to seasons.

Co-authors: Claire Spillman, Alistair Hobday, Jason Hartog

20. Nicholas Loveday - Bureau of Meteorology

Evaluating probabilistic thunderstorm forecasts - understanding the impact at user-decision thresholds.

21. Pallavi Goswami - Monash University

Processes leading to flash droughts in Australia.

Co-authors: Ailie Gallant

22. Fiona Smith - Bureau of Meteorology

A Microwave Sounding Mission for Australia

Co-authors: Nahidul Samrat, Agnes Lane

23. Nahidul Hoque Samrat - Bureau of Meteorology

Evaluation of Australian-Developed Hyperspectral Microwave Sounder Mission to Support Global Temperature and Humidity Monitoring

Co-authors: Fiona Smith, Andy Smith, Sean Bryan and Agnes Lane

24. Esteban Abellan - Bureau of Meteorology

An overview of ACCESS-G4/GE4

Co-authors: Yi Xiao, Thomas Coleman, Haipeng Wang, Asiful Islam, Diquan Jabbour, Jill Finch

25. Abhik Santa – Monash University

Multiweek Prediction and Attribution of the Black Saturday Heatwave Event in Southeast Australia

Co-authors: Eun-Pa Lim, Pandora Hope, David Jones

26. Roseanna McKay - Bureau of Meteorology

Multi-Linear Regression to Explain Australian Climate Events

Co-authors: Lynette Bettio, William Wang, Avijeet Ramchurn, Pandora Hope

27. Victoria Heinrich - University of Tasmania

Use of Weather Information in Antarctica and Australia

Co-authors: Kimberley Norris

28. Emma Howard – Bureau of Meteorology

Performance and process-based evaluation of the BARPA-R Australasian regional climate simulations

Co-authors: Chun-Hsu Su, Christian Stassen, Rajashree Naha, Harvey Ye, Acacia Pepler, Samuel S. Bell, Andrew J. Dowdy, Simon O. Tucker, and Charmaine Franklin

29. Thi Lan Dao - University of Melbourne

Multi-scale influences on rainfall in Northeast Australia

30. Monika Krysta – Bureau of Meteorology

Subjective and objective assessment of the performance of the National Analysis System

31. Christian Stassen – Bureau of Meteorology

Development and Assessment of Regional Atmospheric Nudging in ACCESS

Co-authors: Chun-Hsu Su, Andrew Dowdy, Charmaine Franklin, Emma Howard, and Peter Steinle

32. Joshua Torrance – Bureau of Meteorology

Preliminary assessment of regional moderate-resolution atmospheric reanalysis BARRA-R2 for Australia

Co-authors: Chun-Hsu Su, Susan Rennie, Imtiaz Dharssi, Siyuan Tian, Emma Howard, Acacia Pepler, Christian Stassen, Peter Steinle

33. Andy Smith - Bureau of Meteorology

Impact Assessment of Himawari-8 AHI radiance assimilation and VarBC application in the ACCESS-C model

Co-authors: Nahidul Samrat, Fiona Smith, Vincent Villani, Jin Lee

34. Anna Ukkola – University of New South Wales, Sydney

A hierarchy of drought projections for Australia

35. Katy Bahramian – Bureau of Meteorology

Shifts in Streamflow Regimes in Victorian Catchments under multi-year drought.

Co-authors: Ulrike Bende-Michl, Steven Thomas, Greg Kociuba, Wendy Sharples, Acacia Pepler, Gen Tolhurst and Sharmila Sur

36. Xiaoxuan Jiang - University of Tasmania

Benchmarking of Australian high-resolution ensemble of regional climate projections

Co-authors: Xiaoxuan Jiang, Ben Ng, Sarah Chapman, Emma Howard, Marcus Thatcher, Chun-Hsu Su,

Michael Grose, Rachael Ishphording