

Session L1: Lighting talks (Monday 7th 16:30-17:00)

1. 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

2. Navid Ghajarnia – Bureau of Meteorology

Process-Based Model Evaluation using Functional Relationships

3. Katy Bahramian – Bureau of Meteorology

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

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

4. Acacia Pepler – Bureau of Meteorology

a) Changes in extratropical lows, from the past to the future.

b) Changing spatial extent of rainfall

5. 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

6. 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)

7. Hongyan Zhu – Bureau of Meteorology

Case studies of Tropical Cyclone ensemble forecast in GC4.

Co-authors: Debbie Hudson

8. 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

9. 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

10. Ryan Holmes – Bureau of Meteorology

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

Co-authors: Claire Spillman, Grant Smith