

Session L3: Lighting talks (Wednesday 9th 10:40-11:00)

1. Pallavi Goswami – Monash University

Processes leading to flash droughts in Australia.

Co-authors: Ailie Gallant

2. 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

3. Karen Palmer – University of Tasmania

Measure sea level variability using the Tide Peaks Toolbox

4. 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

5. Hamideh Kazemi – Bureau of Meteorology

Downscaling AWRA pet data for hydrological application.

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

6. Ian Macadam – CSIRO Climate Science Centre

Meeting the Climate Intelligence needs of Australian business.

Co-authors: Mark Hemer

7. Mohammad Hasan – Bureau of Meteorology

An In-depth Analysis of Recent Decade's Floods in Australia.

8. 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

9. Fiona Smith – Bureau of Meteorology

A Microwave Sounding Mission for Australia

Co-authors: Nahidul Samrat, Agnes Lane

10. 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