ASR
Atmospheric
System Research

Warm Boundary Layer Processes Working Group

Yunyan Zhang and Rob Wood

U.S. DEPARTMENT OF ENERGY

- Boundary Layer Structure and Evolution
- Shallow Convection, BL Clouds and Precipitation
- Aerosol-Cloud Interaction
- Land-Atmosphere Interaction
- Radiation, Turbulence and Microphysical Processes and their representation in models

ASR Workshops related to WBLP WG

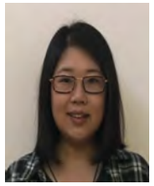
Atmospheric System Research

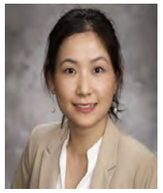
- Land-atmosphere Interaction workshop (June 2021)
  - Talks are available on youtube ameriflux channel
  - Beamesderfer et al. 2022: Advancing cross-disciplinary understanding of land-atmosphere interactions. *Journal of Geophysical Research: Biogeosciences*, 127, e2021JG006707. https://doi.org/10.1029/2021JG006707
- Future of LES workshop (April 2022), report coming soon
- Marine Cloud Brightening workshop (April 2022), report coming soon

New SFA Project at LLNL

Tying in High Resolution E3SM with ARM Data = THREAD

Steve Klein


Jingjing Tian


Xue Zheng

Peter Bogenschutz

Hewei Tang

Hsi-Yen Ma

Yunyan Zhang

ARM Web Form to collect your inputs!

To identify measurement or data product gaps to help ARM understand these needs and to establish priorities.

Here is a link to the “future directions page” where the “request for ARM capabilities” form is located:

https://www.arm.gov/about/future-directions

And to the form itself:

https://www.arm.gov/about/future-directions/request-arm-capability

A brief summary of the “ARM community input webinar” as well as a recording are available here:

https://www.arm.gov/data/work-with-arm-data/webinars/

CPMSG Surveys

Boundary Layer Structure

In-cloud Velocity

Precipitation

SCAN ME

Contact: Christine Chiu

Summary, References, and Acknowledgements

- Recognize sponsors in some way (e.g., acknowledgements or logos).
  - Extra logos here for your use.

- Want to record video to go with your poster? See how here.