

## **Zeen Zhu**

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### **Education**

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<b>Stony Brook University, United States</b>	Sep. 2017 – Present
<b>Lanzhou University, China</b>	
M.S. in Atmospheric Science	Sep. 2015 – Sep. 2017
B.S. in Atmospheric Science	Sep. 2011 – Sep. 2015

### **Scholarships/Awards**

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First Prize, National Innovative Entrepreneurial Contest for Meteorology	2016
First-class Scholarship for Graduate Students, LZU	2015
Excellent Graduation Thesis, LZU	2015
Excellent Student leader, 2 times, LZU	2013-2014
LZU Scholarship, 3 times	2011-2014

### **Conferences, Seminars and Workshops Presentations**

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**Zhu Z.** and coauthors (2019). The Vertical Structure of Liquid Water Content in Shallow Clouds as Observed by Dual-Wavelength Radar, ARM/ASR Joint PI Meeting, Rockville, MD, 10-13 June 2019 (talk).

**Zhu Z.** and coauthors (2019). Quantifying Cloud Liquid Water Content in Cumulus and Stratiform Clouds Using Dual Wavelength Scanning ARM Cloud Radar Observations, ARM/ASR Joint PI Meeting, Rockville, MD, 10-13 June 2019 (poster).

**Zhu Z.** and coauthors (2019). Rain rate and liquid water content retrievals in warm clouds: Evaluation, uncertainty and applicability. ACE-ENA Workshop, BNL, NY, 29-30 January 2019 (talk).

**Zhu Z.** and coauthors (2018). LWC, drizzle and turbulence retrievals. 3<sup>rd</sup> Marine Boundary Layer Meeting, BNL, NY, 11 October 2018(talk)

**Zhu Z.** and coauthors (2018). Evaluation of Cloud Liquid Water Content Retrievals Using Dual-wavelength Radar. ARM/ASR Joint PI Meeting, Tysons, VA, 19-22 March 2018 (talk).

**Zhu Z.** and coauthors (2018). Evaluation of Cloud Liquid Water Content Retrievals Using Dual-wavelength Radar. ARM/ASR Joint PI Meeting, Tysons, VA, 19-22 March 2018 (poster).

**Zhu Z.** and coauthors (2018). Dual-wavelength LWC retrieval in cumulus. 2<sup>nd</sup> Marine Boundary Layer Meeting, Stony Brook University, NY, 19 January 2018(talk)

**Zhu Z.** and coauthors (2016). A study of cloud Macro-physical properties over SACOL based on the KAZR observation, The 97th Chinese Meteorological Society Annual Meeting, Xi'an, 02-06 November 2016(poster)

## **Peer-Reviewed Articles**

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**Zhu, Z.**, Lamer, K., Kollias, P., Clothiaux, E.: The Vertical Structure of Liquid Water Content in Shallow Clouds as Retrieved from Dual-wavelength Radar Observations. *J. Geophys. Res.*, 2019.

Lamer, K., Puigdomenech Treserras, B., **Zhu, Z.**, Isom, B., Bharadwaj, N. and Kollias, P. Characterization of Shallow Oceanic Precipitation using Profiling and Scanning Radar Observations at the Eastern North Atlantic ARM Observatory. *Atmos. Meas. Tech.*, 2019, 12:4931–4947

**Zhu Z E**, Zheng C, Ge J M, et al. Cloud macrophysical properties from KAZR at the SACOL[J]. *Chinese Science Bulletin*, 2017, 62(8): 824-835.

Ge J, **Zhu Z**, Zheng C, et al. An improved hydrometeor detection method for millimeter-wavelength cloud radar[J]. *Atmospheric Chemistry and Physics*, 2017, 17(14): 9035-9047.

## **Other related Activities**

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Second ARM Summer Training, National Weather Center, Oklahoma, U.S.A, 14-20 July 2018.  
JOYCE-CF summer school, University of Bonn, Bonn, Germany, 2-6 September 2019.

## **Related Skills**

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MS Office Suite, MATLAB, IDL, Linux