

Ryan A. Wade, University of Alabama in Huntsville, SWIRLL/NSSTC, 320 Sparkman Drive, Huntsville, 35805. Telephone: (256) 824-8026, email: ryan.wade@uah.edu

Professional Preparation

University of South Alabama	Geography / Meteorology	B.S. 1999
Mississippi State University	Geosciences / Meteorology	M.S. 2003
University of Alabama in Huntsville	Atmospheric Science	Pursuing Ph.D.

Professional Experience

Lecturer & Research Associate	University of Alabama in Huntsville	2014-pres.
Graduate Research Assistant	University of Alabama in Huntsville	2009-2014
Forecaster/Hurricane Specialist	Coastal Weather Research Center, USA	2005-2009
Instructor	University of South Alabama	2003-2009
Broadcast Meteorologist	WLOX-TV	1999-2005

Selected peer-reviewed publications

1. Murphy T. A., **R. Wade**, and B. C. Carcione 2016: Observations and operational considerations of the 4 June 2013 radar chaff event in northern Alabama. *J. Operational Meteor.*, 4 (3), 34–45, doi: <http://dx.doi.org/10.15191/nwajom.2016.0403>.
2. Knupp, K.R., et al, (including **R. Wade**) 2014: Meteorological Overview of the Devastating 27 April 2011 Tornado Outbreak. *Bull. Amer. Meteor. Soc.*, **95**, 1041–1062.
3. Blackwell, K.G., J. Holmes, **R. Wade**, and S. K. Kimball, (2006): Collapsing Precipitation Cores in Open-Eyewall Hurricanes at Landfall. *Bulletin of the American Meteorological Society*, 87, 1310.

Selected conference presentations

1. **Wade, R. A.**, T. Murphy, D. Turner, T. Lee, M. Buban, P. Pangle, A. Lyza, 2017: A Comparison of Atmospheric Profilers and Environmental Soundings in Complex Terrain during the 2017 VORTEX-SE Field Campaign. *American Meteorological Society 38th Conference on Radar Meteorology*, Chicago, IL, 28 August – 1 September 2017.
2. **Wade, R. A.**, A. Lyza, D. Conrad, B. Goudeau, C. Lisauckis, B. Lund, 2016: An Overview of Forecasts and Convection-Allowing Model Guidance during VORTEX-SE Year 1 Field Operations. *American Meteorological Society 28th Conference on Severe Local Storms*, Portland, OR, LA, 7 – 11 November 2016.
3. **Wade, R. A.**, K. Knupp, D. Phillips, T. A. Murphy, A. Sherrer, A. Mayhew, A. Lyza, B. Freitag 2015: MIPS observations of the kinematic, thermodynamic, and microphysical characteristics of lake-effect snow bands during the Ontario Winter Lake-effect Systems (OWLeS) field project. *AMS 37th Conference on Radar Meteorology*, Norman, OK, 14-18 September 2015.
4. **Wade, R. A.**, T. Coleman, K. Knupp, 2015: Preliminary Profiling and Polarimetric Radar Analysis of Convective Snowbands and Atmospheric Waves during the 25 February 2015 Southeastern U. S. Heavy Snow Event. *AMS 37th Conference on Radar Meteorology*, Norman, OK, 14-18 September 2015.
5. **Wade, R. A.**, T. A. Murphy, K. R. Knupp, 2014: Complex Supercell Mergers and Storm-Scale Interactions During Recent Severe Weather Outbreaks. *American Meteorological Society 94th Annual Meeting*. Atlanta, GA , 3-6 February 2014.

6. **Wade, R. A.,** K. R. Knupp, 2013: Polarimetric and Atmospheric Profiling Measurements of Convective Snowbands and Atmospheric Waves during PLOWS. *AMS 36th Conference on Radar Meteorology*. Breckenridge, CO, 16-20 September 2013.
7. **Wade, R. A.,** 2012: A kinematic, multiple Doppler, and dual-pol radar analysis of the mid-day tornadic QLCS during the historic April 27th super outbreak. *26th AMS Conference on Severe Local Storms*, Nashville, TN, 5-8 November 2012.

Synergistic Activities :

Faculty Mentor – UPSTORM: UAH Profile Sounding Team for Operational & Research Meteorology

Co-Director and Research Mentor - UAH Remote Sensing of Land-Atmosphere Systems Research Experiences for Undergraduates program.

Sounding coordinator for VORTEX-SE field activities for 2017-2019.

Field coordinator major research platforms: (a) Mobile Integrated Profiling System (MIPS), (b) Advanced Radar for Meteorological and Operational Research (ARMOR), (c) Mobile Alabama X-band (MAX) dual polarization radar, (d) Mobile Doppler Lidar and Sounding System, (e) Rapidly Deployable Atmospheric Profiling System (RaDAPS), (f) Mobile Atmospheric Sounding Systems (MASS).

Participation in both large and small field campaigns and development of large data bases from those campaigns, including processing, quality control, delivery, and data analysis: PLOWS (2009-2010), ABIDE-3 (2012-2013), OWLES (2013-2014), PECAN (2015), VORTEX-SE (2016, 2017, 2018), Hurricanes at Landfall (2009-present), MESO18-19.

Focus on undergraduate research experiences & mentorship through field campaign activities and teaching data analysis techniques. Coordinated participation of greater than 50 undergraduate students in VORTEX-SE field activities during the 2016, 2017, 2018, 2019 field campaigns.

Unique R2O perspective having work in both television weather and a private sector forecaster. Consistent working relationship with NWSFOs and television stations.