

# Curriculum Vita

## Clark Evans

### Personal Information

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#### Current Address

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Milwaukee, WI 53201-0413

#### Contact Information

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**Last Updated:** 12 June 2018

**DOB:** 24 October 1983

### Education

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- 2009** Florida State University, Ph.D., Meteorology
- 2006** Florida State University, M.S., Meteorology
- 2004** Florida State University, B.S., Meteorology, Magna Cum Laude  
Minors: Physics, Mathematics

### Professional Positions

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- 2018** Visiting Scientist, NOAA/NWS/Storm Prediction Center, Norman, OK
- 2016-present** Associate Professor, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2014-present** Atmospheric Science Chair, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2013** Visiting Scientist, NCAR/Mesoscale and Microscale Meteorology Lab, Boulder, CO
- 2012** Visiting Scientist, NOAA/NWS/National Hurricane Center, Miami, FL
- 2011-2016** Assistant Professor, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2009-2011** Postdoctoral Fellow, UCAR/Advanced Study Program, Boulder, CO
- 2004** Research Assistant, FSU/Florida Climate Center, Tallahassee, FL
- 2003-2004** Undergraduate Research Assistant, Florida State University, Tallahassee, FL

### Awards and Honors

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- 2018** Invited Participant, Inaugural AMS Early Career Leadership Academy
- 2018** Editors' Award, *Monthly Weather Review* and *Weather and Forecasting*
- 2009** First Place, Ph.D. Poster Competition, American Meteorological Society 23<sup>rd</sup> Conf. on Weather Analysis and Forecasting/19<sup>th</sup> Conf. on Numerical Weather Prediction

- 2004**      **Recipient**, American Meteorological Society Father James B. Macelwane Undergraduate Research Award
- 2004**      **Recipient**, American Meteorological Society/Industry/Government Graduate Fellowship (Sponsored by the Office of Naval Research)

**Peer-Reviewed Publications**      (*italicized* = advised student)

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A citation listing is available on my [Google Scholar](#) page. Publications in preparation are not listed.

*Nevius, D. S.*, and **C. Evans**, 2018: The influence of vertical advection discretization in the WRF-ARW model on capping inversion representation in warm-season, thunderstorm-supporting environments. *Wea. Forecasting*, in review.

*Prince, K. C.*, and **C. Evans**, 2018: A climatology of extreme South American Andean cold surges. *J. Appl. Meteor. Climatol.*, in review.

*Burlingame, B. M.*, **C. Evans**, and P. J. Roebber, 2017: [The influence of PBL parameterization on the practical predictability of convection initiation during the Mesoscale Predictability Experiment \(MPEX\)](#). *Wea. Forecasting*, **32**, 1161-1183.

**Evans, C.**, and coauthors: 2017: [The extratropical transition of tropical cyclones. Part I: cyclone evolution and direct impacts](#). *Mon. Wea. Rev.*, **145**, 4317-4344.

*Grunzke, C. T.*, and **C. Evans**, 2017: [Predictability and dynamics of warm-core mesoscale vortex formation with the 8 May 2009 "super derecho" event](#). *Mon. Wea. Rev.*, **145**, 811-832.

*Kecklik, A. M.*, **C. Evans**, P. J. Roebber, and G. S. Romine, 2017: [The influence of assimilated upstream, pre-convective dropsonde observations on ensemble forecasts of convection initiation during the Mesoscale Predictability Experiment](#). *Mon. Wea. Rev.*, **145**, 4747-4770.

*Karloski, J. M.*, and **C. Evans**, 2016: [Seasonal influences upon and long-term trends in the length of the Atlantic hurricane season](#). *J. Climate*, **29**, 273-292.

*Manion, A.*, **C. Evans**, T. L. Olander, C. S. Velden, and L. D. Grasso, 2015: [An evaluation of Advanced Dvorak Technique-derived tropical cyclone intensity estimates during extratropical transition using synthetic satellite imagery](#). *Wea. Forecasting*, **30**, 984-1009.

Weisman, M. L., and coauthors, 2015: [The Mesoscale Predictability Experiment \(MPEX\)](#). *Bull. Amer. Meteor. Soc.*, **96**, 2127-2149.

*Burghardt, B.*, **C. Evans**, and P. Roebber, 2014: [Assessing the predictability of convection initiation across the High Plains using an object-based approach](#). *Wea. Forecasting*, **29**, 403-418.

**Evans, C.**, D. F. Van Dyke, and T. Lericos, 2014: [How do forecasters utilize output from a convection-permitting ensemble forecast system? Case study of a high-impact precipitation event](#). *Wea. Forecasting*, **29**, 466-486.

**Evans, C.**, M. L. Weisman, and L. F. Bosart, 2014: [Development of an intense, warm-core mesoscale vortex associated with the 8 May 2009 "super derecho" convective event](#). *J. Atmos. Sci.*, **71**, 1218-1240.

- Weisman, M. L., **C. Evans**, and L. F. Bosart, 2013: [The 8 May 2009 "super derecho": analysis of a realtime explicit convective forecast](#). *Wea. Forecasting*, **28**, 863-892.
- Evans, C.**, and coauthors, 2012: [The PRE-Depression Investigation of Cloud-systems in the Tropics \(PREDICT\) field campaign: perspectives of early career scientists](#). *Bull. Amer. Meteor. Soc.*, **93**, 173-187.
- Evans, C.**, R. S. Schumacher, and T. J. Galarneau, Jr., 2011: [Sensitivity in the overland reintensification of Tropical Cyclone Erin \(2007\) to near-surface soil moisture characteristics](#). *Mon. Wea. Rev.*, **139**, 3848-3870.
- Evans, C.** and R. E. Hart, 2008: [Analysis of the wind field evolution associated with the extratropical transition of Bonnie \(1998\)](#). *Mon. Wea. Rev.*, **136**, 2047-2065.
- Hart, R. E., J. L. Evans, and **C. Evans**, 2006: [Synoptic composites of the extratropical transition lifecycle of North Atlantic tropical cyclones: factors determining post-transition evolution](#). *Mon. Wea. Rev.*, **134**, 553-578.

## Funded Grants and Proposals

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- 2018-2019**      **UWM Research Growth Initiative**  
 "A Climatology of Indirect Tropical Cyclone Interactions." \$55,243; 7/2/18-7/1/19.
- 2017-2019**      **National Oceanic and Atmospheric Administration**  
 "FY 2017 Joint Hurricane Testbed: Evolutionary programming for probabilistic tropical cyclone intensity forecasts. NA17OAR4590137; \$199,527; 7/1/17-6/30/19. Co-PI; lead PI: P. Roebber.
- 2015-2018**      **National Science Foundation**  
 "Collaborative Research: SI2-SSI: Big Weather Web: A common and sustainable big data infrastructure in support of weather prediction research and education in universities." ACI-1450439; \$164,381; 8/1/15-7/31/18.
- 2015-2016**      **Unidata Equipment Program**  
 "Deployment of AWIPS-II at the University of Wisconsin-Milwaukee." \$11,908, 6/1/15-5/31/16.
- 2014-2017**      **National Science Foundation**  
 "Numerical Assessment of the Practical and Intrinsic Predictability of Warm-Season Convection Initiation Using Mesoscale Predictability Experiment (MPEX) Data." AGS-1347545; \$456,206; 6/1/14-5/31/17. Lead PI; co-PI: P. Roebber.
- 2012-2013**      **UWM Graduate School Research Committee**  
 "An Assessment of Thunderstorm Development Forecast Successes and Failures from Very High Resolution Numerical Weather Forecasts." \$12,611; 7/1/12-6/30/13.
- 2012-2013**      **Unidata Equipment Program**  
 "Installation of RAMADDA, THREDDS, and LDM at UWM." \$7,177; 6/1/12-5/31/13. Co-PI; lead PI: P. Roebber.

**2011-2012 COMET Partners Program**

"Extreme Precipitation Across the Tallahassee, FL NWS Forecast Area Associated with Tropical Storm Fay (2008): Physical Understanding and Ensemble-Based Forecast Utility." \$9,990; 7/13/11-8/31/12. Lead PI; co-PI: D. Van Dyke.

**Teaching Experience**

Upper- and graduate-level courses at the University of Wisconsin-Milwaukee are typically offered once every two years. The year in which I last taught a given course is that which is listed below.

|             |                                   |  |
|-------------|-----------------------------------|--|
| <b>2019</b> | <b>Synoptic Meteorology II</b>    | (Atm Sci 361, University of Wisconsin-Milwaukee) |
| <b>2018</b> | <b>Synoptic Meteorology I</b>     | (Atm Sci 360, University of Wisconsin-Milwaukee) |
| <b>2018</b> | <b>Tropical Meteorology</b>       | (Atm Sci 470, University of Wisconsin-Milwaukee) |
| <b>2017</b> | <b>Num. Weather Prediction</b>    | (Atm Sci 950, University of Wisconsin-Milwaukee) |
| <b>2017</b> | <b>Mesoscale Meteorology</b>      | (Atm Sci 460, University of Wisconsin-Milwaukee) |
| <b>2016</b> | <b>First Year Seminar</b>         | (Atm Sci 194, University of Wisconsin-Milwaukee) |
| <b>2014</b> | <b>Survey of Meteorology</b>      | (Atm Sci 100, University of Wisconsin-Milwaukee) |
| <b>2008</b> | <b>Current Weather Discussion</b> | (MET 3520, Florida State University)             |

**Advised Students**Graduate Students (as Major Professor)

|                     |                         |  |
|---------------------|-------------------------|--|
| <b>2017-present</b> | <b>Jesse Schaffer</b>   | (M.S. expected Spring 2019; joint with P. Roebber)   |
| <b>2016-present</b> | <b>Aidan Kuroski</b>    | (M.S. expected Summer 2018)                          |
| <b>2016-present</b> | <b>Kevin Prince</b>     | (M.S., 2018; Ph.D. expected Spring 2021)             |
| <b>2016-2018</b>    | <b>David Nevius</b>     | (M.S.; now with Delta Airlines, Savannah, GA)        |
| <b>2015-2017</b>    | <b>Caitlin Crossett</b> | (M.S.; now Ph.D. candidate, Univ. of Vermont)        |
| <b>2014-2016</b>    | <b>Alexandra Keclik</b> | (M.S.; now with NWS, Chanhassen, MN)                 |
| <b>2014-2016</b>    | <b>Bryan Burlingame</b> | (M.S.; now with Wantable, Inc., Milwaukee, WI)       |
| <b>2014-2016</b>    | <b>Caleb Grunzke</b>    | (M.S.; now with CIMMS/SPC, Norman, OK)               |
| <b>2013-2015</b>    | <b>Juliana Karloski</b> | (M.S.; now with Space Center Houston, Houston, TX)   |
| <b>2012-2014</b>    | <b>Alex Manion</b>      | (M.S.; now with NWS, Pontiac, MI)                    |
| <b>2011-2013</b>    | <b>Brock Burghardt</b>  | (M.S.; Ph.D. 2017, Texas Tech; now with WeatherBELL) |

Undergraduate and High School Students

|                     |                               |  |
|---------------------|-------------------------------|--|
| <b>2018-present</b> | <b>Giorgio Sarro</b>          | (Undergraduate Research Assistant)           |
| <b>2018</b>         | <b>Austin Scheib</b>          | (Capstone Advisor)                           |
| <b>2017</b>         | <b>Zachary Michael</b>        | (High School Student, Lake in the Hills, IL) |
| <b>2017</b>         | <b>Mackenzie Nuthals</b>      | (Capstone Advisor)                           |
| <b>2016</b>         | <b>Alec Muniz</b>             | (Capstone Advisor)                           |
| <b>2015</b>         | <b>Lily Chapman</b>           | (Capstone Advisor)                           |
| <b>2013</b>         | <b>Kyle Koval</b>             | (Capstone Advisor)                           |
| <b>2013</b>         | <b>Karleisa Rogacheski</b>    | (Capstone Advisor)                           |
| <b>2010</b>         | <b>Dereka Carroll (Smith)</b> | (SOARS Research Mentor, NCAR)                |

Thesis or Dissertation Committee Member

|             |                          |  |
|-------------|--------------------------|--|
| <b>2018</b> | <b>Christian Grimm</b>   | (M.S., University of Wisconsin-Milwaukee)  |
| <b>2017</b> | <b>Lily Chapman</b>      | (M.S., University of Wisconsin-Milwaukee)  |
| <b>2017</b> | <b>Russell Danielson</b> | (M.S., University of Wisconsin-Milwaukee)  |
| <b>2016</b> | <b>Brian Griffin</b>     | (Ph.D., University of Wisconsin-Milwaukee) |
| <b>2016</b> | <b>Austin Harris</b>     | (M.S., University of Wisconsin-Milwaukee)  |
| <b>2016</b> | <b>Kaitlyn Heinlein</b>  | (M.S., University of Wisconsin-Milwaukee)  |

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|------|--------------------------|--|
| 2016 | <b>Timm Uhlmann</b>      | (M.S., University of Wisconsin-Milwaukee)  |
| 2015 | <b>Noriyuki Sugiyama</b> | (Ph.D., University of Wisconsin-Milwaukee) |
| 2015 | <b>Dawn Kopacz</b>       | (Ph.D., University of Wisconsin-Milwaukee) |
| 2015 | <b>Justin Weber</b>      | (M.S., University of Wisconsin-Milwaukee)  |
| 2014 | <b>Joshua Verbeten</b>   | (M.S., University of Wisconsin-Milwaukee)  |
| 2013 | <b>Joseph Pehoski</b>    | (M.S., University of Wisconsin-Milwaukee)  |
| 2012 | <b>Jeremy Duggan</b>     | (M.S., University of Wisconsin-Milwaukee)  |
| 2012 | <b>John Peters</b>       | (M.S., University of Wisconsin-Milwaukee)  |
| 2012 | <b>Marc Pilon</b>        | (M.S., University of Wisconsin-Milwaukee)  |
| 2012 | <b>Zachary Uttech</b>    | (M.S., University of Wisconsin-Milwaukee)  |

## Professional Service

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### National and International Service

|              |   |
|--------------|---|
| 2018-present | <b>Vice Chair</b> , AMS Committee on Weather Analysis and Forecasting                                       |
| 2018         | <b>Rapporteur</b> , 9 <sup>th</sup> WMO International Workshop on Tropical Cyclones                         |
| 2018         | <b>Organizer</b> , AMS Special Symposium on Impact-Based Decision Support Services                          |
| 2018         | <b>Session Chair</b> , AMS 29 <sup>th</sup> Conf. on Wea. Anal. & Forecasting/25 <sup>th</sup> Conf. on NWP |
| 2017         | <b>Session Chair</b> , AMS 28 <sup>th</sup> Conf. on Wea. Anal. & Forecasting/24 <sup>th</sup> Conf. on NWP |
| 2017         | <b>Member</b> , AMS 28 <sup>th</sup> Conf. on WAF/24 <sup>th</sup> Conf. on NWP Program Committee           |
| 2016-present | <b>Member</b> , AMS Committee on Weather Analysis and Forecasting   |
| 2012, 2016   | <b>Member</b> , AMS Max Eaton Award Selection Committee   |
| 2016         | <b>Session Chair</b> , AMS 32 <sup>nd</sup> Conf. on Hurricanes and Tropical Meteorology                    |
| 2015         | <b>Panelist</b> , 15 <sup>th</sup> Annual AMS Student Conference  |
| 2015         | <b>Member</b> , 17 <sup>th</sup> Cyclone Workshop Science Committee   |
| 2014         | <b>Member</b> , 8 <sup>th</sup> WMO International Workshop on Tropical Cyclones Working Group               |
| 2014         | <b>Session Chair</b> , AMS 26 <sup>th</sup> Conf. on Wea. Anal. & Forecasting/22 <sup>nd</sup> Conf. on NWP |
| 2013-2015    | <b>Member</b> , AMS Weather Analysis and Forecasting Statement Revision Team                                |
| 2013         | <b>Panelist</b> , 1 <sup>st</sup> Annual AMS Conference for Early Career Professionals                      |
| 2012-present | <b>Associate Editor</b> , <i>Monthly Weather Review</i>   |
| 2012         | <b>Rapporteur</b> , 4 <sup>th</sup> WMO International Workshop on Extratropical Transition                  |
| 2010         | <b>Session Chair</b> , AMS 25 <sup>th</sup> Conf. on Severe Local Storms                                    |
| 2010         | <b>Member</b> , 7 <sup>th</sup> WMO International Workshop on Tropical Cyclones Working Group               |
| 2010         | <b>Member</b> , AMS 25 <sup>th</sup> Conf. on Severe Local Storms Program Committee                         |
| 2010         | <b>Member</b> , AMS 29 <sup>th</sup> Conf. on Hurricanes/Tropical Meteor. Program Committee                 |

### University Service

|              |   |
|--------------|---|
| 2018-2021    | <b>Member</b> , UWM Information Technology Policy Committee           |
| 2017-present | <b>Recruitment Ambassador</b> , UWM College of Letters and Science    |
| 2014         | <b>Coordinator</b> , UWM StormReady Initiative                        |
| 2012-present | <b>UCAR Member Representative</b> , University of Wisconsin-Milwaukee |
| 2011-present | <b>Local Manager</b> , WxChallenge Forecasting Competition            |
| 2011-present | <b>Advisor</b> , UWM Atmospheric Science Club Student Organization    |

### Department/Program Service

|              |   |
|--------------|---|
| 2017-2018    | <b>Search Committee Chair</b> , UWM Atmospheric Science Visiting Asst. Professor Hire |
| 2017-present | <b>Member</b> , UWM Dept. of Mathematical Sciences Undergraduate Committee            |
| 2017-2018    | <b>Member</b> , UWM Dept. of Mathematical Sciences Strategic Planning Committee       |
| 2017-2018    | <b>Member</b> , UWM Dept. of Mathematical Sciences Dept. Mgr. Search Committee        |
| 2017-2018    | <b>Member</b> , UWM Dept. of Mathematical Sciences Merit Committee                    |
| 2016-2017    | <b>Member</b> , UWM Dept. of Mathematical Sciences Assessment Committee               |
| 2014-present | <b>Member</b> , UWM Dept. of Mathematical Sciences Graduate Committee                 |

**2013-2014**     **Chair**, UWM Dept. of Mathematical Sciences Event Organizing Committee  
**2011-2016**     **Member**, UWM Dept. of Mathematical Sciences Colloquium Committee  
**2011-2016**     **Member**, UWM Dept. of Mathematical Sciences Event Organizing Committee  
**2010-2011**     **Organizer**, UCAR/NCAR/MMM 'Dynamics Happy Hour' Seminar Series  
**2009-2011**     **Member**, UCAR/NCAR/ASP Seminar Organizing Committee

Public Service

**2016-present**   **Trustee**, Village of Grafton Joint Library Board  
**2014-2015**     **Member**, Village of Grafton Bicycle and Pedestrian Plan Committee

Journal and Proposal Reviewer

*Bulletin of the American Meteorological Society*  
*Climate Dynamics*  
*Geophysical Research Letters*  
*Journal of Applied Meteorology and Climatology*  
*Journal of Climate*  
*Journal of Geophysical Research-Atmospheres*  
*Journal of Geophysical Research-Oceans*  
*Journal of the Atmospheric Sciences*  
*Monthly Weather Review*  
*National Science Foundation*  
*Quarterly Journal of the Royal Meteorological Society*  
*Weather and Forecasting*

**Invited Colloquia and Seminars**

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**2018**            **Northern Illinois University, Dept. of Geography**  
 "The Rear-Inflow Jet Evolution of Idealized, Mature Mesoscale Convective Systems"

**2018**            **Greater Milwaukee Chapter of the AMS**  
 "The Harvey-Irma-Maria Hurricanes: An Atlantic Hurricane Season Retrospective"

**2017**            **St. Cloud State University, Dept. of Atmospheric and Hydrologic Sciences**  
 "The Rear-Inflow Jet Evolution of Idealized, Mature Mesoscale Convective Systems"

**2016**            **Lyndon State College, Dept. of Atmospheric Sciences**  
 "Understanding Trends in and Controls on Atlantic Hurricane Season Length"

**2016**            **University of Wisconsin-Madison, Dept. of Atmospheric and Oceanic Sciences**  
 "On the Short- to Medium-range Predictability of Thunderstorm Formation"

**2015**            **Greater Milwaukee Chapter of the AMS**  
 "How do Forecasters Utilize Ensembles? Case Study of a High-Impact Event"

**2014**            **Central Michigan University, Dept. of Earth and Atmospheric Sciences**  
 "The Predictability of Mesoscale Convective Phenomena"

**2014**            **Omaha/Offutt Chapter of the AMS/NWA**  
 "How do Forecasters Utilize Output from a Convection-Permitting Ensemble Forecast System? Case Study of a High-Impact Precipitation Event"

- 2014**      **University of Georgia, Dept. of Geography**  
 “Oklahoma’s Tropical Storm: The Curious Case of T.S. Erin’s Inland Reintensification”
- 2013**      **Greater Milwaukee Chapter of the AMS**  
 “Anatomy of a Superstorm: Birth, Evolution, and Impacts of Hurricane Sandy (2012)”
- 2012**      **University of Wisconsin-Milwaukee, Atmospheric Science Club**  
 Fall: “The 8 May 2009 ‘Super Derecho’: A High-Impact Convective Event”  
 Spring: “A Primer on Numerical Weather Prediction and Ensemble Modeling”
- 2011**      **Florida State University, Dept. of Earth, Ocean, and Atmospheric Science**  
 “A Unique Pathway to Tropical Cyclogenesis: Tropical Storm Erin (2007)”
- 2010**      **University of Wisconsin-Milwaukee, Dept. of Mathematical Sciences**  
 “A Unique Pathway to Tropical Cyclogenesis: Tropical Storm Erin (2007)”
- 2009**      **NCAR, Mesoscale and Microscale Meteorology Division**  
 “The Thermodynamic Evolution of Recurring Tropical Cyclones”
- 2007**      **Bermuda Institute of Ocean Sciences, RPI Research Update**  
 “Development of Anomalous Probability Forecasts for the Threat of Higher Latitude Hurricane Impacts”

### **Invited Workshops and Testbed Programs**

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- 2018**      **Hazardous Weather Testbed Spring Forecasting Experiment (six times since 2011)**  
 NOAA/National Severe Storms Laboratory, Norman, OK
- 2012**      **“Shaping the Development of EarthCube to Enable Advances in Data Assimilation and Ensemble Prediction” Workshop**  
 Unidata/National Science Foundation, Boulder, CO
- 2006**      **“The Challenge of Convective Forecasting” Summer Colloquium**  
 UCAR/Advanced Study Program, Boulder, CO

### **Presentations**      *(advised student)*

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- 2018**  
**Evans, C.**, S. J. Weiss, and I. L. Jirak, 2018: A preliminary evaluation of paired regional/convection-allowing model-forecast vertical profiles in warm-season, thunderstorm-supporting environments. *Abstract, 29<sup>th</sup> Conf. on Weather Analysis and Forecasting/25<sup>th</sup> Conf. on Numerical Weather Prediction*, Denver, CO, Amer. Meteor. Soc., 10A.5.
- Kuroski, A., and **C. Evans**, 2018: A preliminary investigation of the conditional practical predictability of the 31 May 2013 Oklahoma heavy-rain-producing mesoscale convective system. *Abstract, 3<sup>rd</sup> Symposium on Multi-Scale Predictability: Data-model Integration and Uncertainty Quantification for Climate and Earth System Monitoring and Prediction*, Austin, TX, Amer. Meteor. Soc., 367.
- Kuroski, A., and **C. Evans**, 2018: An investigation of the conditional practical predictability of the 31 May 2013 heavy-rain-producing mesoscale convective system. *Abstract, 29<sup>th</sup> Conf. on Weather Analysis and Forecasting/25<sup>th</sup> Conf. on Numerical Weather Prediction*, Denver, CO, Amer. Meteor. Soc., P344592.

- Nevius, D. S., and **C. Evans**, 2018: The influence of vertical advection discretization in the WRF-ARW model on capping inversion representation in warm-season, thunderstorm-supporting environments. *Abstract, 29<sup>th</sup> Conf. on Weather Analysis and Forecasting/25<sup>th</sup> Conf. on Numerical Weather Prediction*, Denver, CO, Amer. Meteor. Soc., 12B.4.
- Schaffer, J., P. J. Roebber, and **C. Evans**, 2018: Using evolutionary programming to generate improved tropical cyclone intensity forecasts. *Abstract, 72<sup>nd</sup> Interdepartmental Hurricane Conference*, Miami, FL, Natl. Oceanic and Atmos. Administration, 5.2.
- Schaffer, J., P. J. Roebber, and **C. Evans**, 2018: Using evolutionary programming to generate improved tropical cyclone intensity forecasts. *Ext. Abstract, 33<sup>rd</sup> Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., 7B.5.
- Schaffer, J., P. J. Roebber, and **C. Evans**, 2018: Using evolutionary programming to generate improved tropical cyclone intensity forecasts. *Abstract, 29<sup>th</sup> Conf. on Weather Analysis and Forecasting/25<sup>th</sup> Conf. on Numerical Weather Prediction*, Denver, CO, Amer. Meteor. Soc., 9A.4.

## **2017**

- Crossett, C., and **C. Evans**, 2017: An examination of the dynamics of a rear-inflow jet associated with an idealized mesoscale convective system. *Abstract, 28<sup>th</sup> Conf. on Weather Analysis and Forecasting/24<sup>th</sup> Conf. on Numerical Weather Prediction*, Seattle, WA, Amer. Meteor. Soc., 10B.2.
- Evans, C.**, and coauthors, 2017: The extratropical transition of tropical cyclones: cyclone evolution and direct impacts. *Abstract, 18<sup>th</sup> Cyclone Workshop*, Sainte-Adele, QC.
- Grunzke, C., and **C. Evans**, 2017: Predictability and dynamics of warm-core mesoscale vortex formation with the 8 May 2009 "Super Derecho" event. *Abstract, 28<sup>th</sup> Conf. on Weather Analysis and Forecasting/24<sup>th</sup> Conf. on Numerical Weather Prediction*, Seattle, WA, Amer. Meteor. Soc., 9B.3.
- Schumacher, R. S., and coauthors, 2017: The legacy of the 2006 NCAR ASP colloquium, "The Challenge of Convective Forecasting," (a little more than) 10 years later. *Abstract, Lance Bosart Symposium*, Seattle, WA, Amer. Meteor. Soc., 306965.

## **2016**

- Crossett, C., and **C. Evans**, 2016: An examination of the dynamics of a rear-inflow jet associated with an idealized mesoscale convective system. *Abstract, 28<sup>th</sup> Conf. on Severe Local Storms*, Portland, OR, Amer. Meteor. Soc., 15A.5.
- Evans, C.**, T. L. Olander, C. S. Velden, and R. E. Hart, 2016: A proposed adjustment for the Advanced Dvorak Technique during extratropical transition. *Abstract, 32<sup>nd</sup> Conf. on Hurricanes and Tropical Meteorology*, San Juan, PR, Amer. Meteor. Soc., 17C.3.
- Evans, C.**, B. Burghardt, B. Burlingame, A. Keclik, and P. Roebber, 2016: On the short- to medium-range predictability of thunderstorm formation. *Abstract, Special Symposium on Seamless Weather and Climate Prediction: Expectations and Limits of Multi-Scale Predictability*, New Orleans, LA, Amer. Meteor. Soc., 2.2.
- Grunzke, C., and **C. Evans**, 2016: Practical and intrinsic predictability of warm-core mesoscale vortex formation with the 8 May 2009 "Super Derecho" event. *Abstract, Special Symposium on Seamless Weather and Climate Prediction: Expectations and Limits of Multi-Scale Predictability*, New Orleans, LA, Amer. Meteor. Soc., 894.
- Grunzke, C., and **C. Evans**, 2016: Practical and intrinsic predictability of warm-core mesoscale vortex formation with the 8 May 2009 "Super Derecho" event. *Abstract, 20<sup>th</sup> Severe Storms and Doppler Radar Conference*, Ankeny, IA, Central Iowa NWA, 7.1.
- Grunzke, C., and **C. Evans**, 2016: Predictability and dynamics of warm-core mesoscale vortex formation with the 8 May 2009 "Super Derecho" event. *Abstract, 28<sup>th</sup> Conf. on Severe Local Storms*, Portland, OR, Amer. Meteor. Soc., 13A.1.



Keclik, A. M., C. Evans, P. J. Roebber, and G. Romine, 2016: The influence of assimilated targeted observations upon ensemble forecasts of convection initiation during the Mesoscale Predictability Experiment. *Abstract, 28<sup>th</sup> Conf. on Severe Local Storms*, Portland, OR, Amer. Meteor. Soc., 11B.4.

Keclik, A. M., C. Evans, P. J. Roebber, G. Romine, and R. D. Torn, 2016: The influence of assimilating targeted observations upon ensemble forecasts of convection initiation. *Abstract, Special Symposium on Seamless Weather and Climate Prediction: Expectations and Limits of Multi-Scale Predictability*, New Orleans, LA, Amer. Meteor. Soc., 896.

## **2015**

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## **Professional Memberships & Honor Societies**

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| <b>2010-2012</b>    | American Geophysical Union                       |
| <b>2005</b>         | Chi Epsilon Pi, Florida State University Chapter |
| <b>2004</b>         | Phi Beta Kappa, Alpha Chapter of Florida         |
| <b>2003</b>         | National Society of Collegiate Scholars          |
| <b>2002-present</b> | American Meteorological Society                  |