

# Curriculum Vita

## Clark Evans

### Personal Information

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#### Current Address

UWM Dept. of Mathematical Sciences  
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#### Contact Information

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**Last Updated:** 1 November 2018

**DOB:** 24 October 1983 (age: 35)

### 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, Univ. of Wisconsin-Milwaukee, Milwaukee, WI
- 2014-present** Atmospheric Science Program Chair, Univ. 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, Univ. 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 Univ., 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)

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

**Evans, C.**, S. J. Weiss, I. L. Jirak, A. R. Dean, and *D. S. Nevius*, 2018: [An evaluation of paired regional/convection-allowing forecast vertical thermodynamic profiles in warm-season, thunderstorm-supporting environments](#). *Wea. Forecasting*, **33**, 1547–1566.

*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 press.

*Prince, K. C.*, and **C. Evans**, 2018: [A climatology of extreme South American Andean cold surges](#). *J. Appl. Meteor. Climatol.*, **57**, 2297–2315.

*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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- 2018-2020**      **National Oceanic and Atmospheric Administration**  
 "Round 3 of R2O Initiative – NOAA Testbeds: Evaluation of GFS-FV3 Vertical Profile and Thermodynamic Environment Fidelity." NA18NWS4680062; \$210,369; 9/1/18-8/31/20. Lead PI; co-PIs: S. Weiss and I. Jirak (NOAA/NWS/SPC).
- 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 (NOAA/NWS).

## Teaching Experience

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

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

## Advised Students

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### Graduate Students

<b>2017-present</b>	<b>Jesse Schaffer</b>	(M.S. expected Spring 2019; joint with P. Roebber)
<b>2016-present</b>	<b>Kevin Prince</b>	(M.S., 2018; Ph.D. expected Spring 2021)
<b>2016-2018</b>	<b>Aidan Kuroski</b>	(M.S.; now with NWS, Milwaukee/Sullivan, WI)
<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, Twin Cities/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 NWS, Twin Cities/Chanhassen, MN)
<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, Detroit/Pontiac, MI)
<b>2011-2013</b>	<b>Brock Burghardt</b>	(M.S.; Ph.D. 2017, Texas Tech Univ.)

I have also served on the dissertation or thesis evaluation committee for nineteen students at UWM (three Ph.D., sixteen M.S.).

### Undergraduate Students

<b>2018-present</b>	<b>Marie Freres</b>	(B.S. expected Spring 2022)
<b>2018-present</b>	<b>Anna Kaminski</b>	(B.S. expected Spring 2021)
<b>2018-present</b>	<b>Giorgio Sarro</b>	(B.S. expected Spring 2020)
<b>2010</b>	<b>Dereka Carroll</b>	(as SOARS Research Mentor at NCAR)

I have also advised six undergraduate students on their senior Capstone projects and co-advised one high school student on introductory atmospheric data analysis. I am also a regular participant in AMS-sponsored mentoring, networking, and outreach events.

## **Professional Service**

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### National/International Service

**2019-present** **Editor**, *Monthly Weather Review*  
**2019-2022** **Member**, AMS Annual Meeting Oversight Committee  
**2018-present** **Vice-Chair**, AMS Committee on Weather Analysis and Forecasting  
**2018** **Rapporteur**, 9<sup>th</sup> WMO International Workshop on Tropical Cyclones  
**2018** **Organizer**, AMS Special Symposium on Impact-Based Decision Support Services  
**2017** **Member**, AMS 28<sup>th</sup> Conf. on WAF/24<sup>th</sup> Conf. on NWP Program Committee  
**2016-present** **Member**, AMS Committee on Weather Analysis and Forecasting  
**2012, 2016** **Member**, AMS Max Eaton Award Selection Committee  
**2015** **Panelist**, 15<sup>th</sup> Annual AMS Student Conference  
**2015** **Member**, 17<sup>th</sup> Cyclone Workshop Science Committee  
**2014** **Member**, 8<sup>th</sup> WMO International Workshop on Tropical Cyclones Working Group  
**2013-2015** **Member**, AMS Weather Analysis and Forecasting Statement Revision Team  
**2013** **Panelist**, 1<sup>st</sup> Annual AMS Conference for Early Career Professionals  
**2012-2018** **Associate Editor**, *Monthly Weather Review*  
**2012** **Rapporteur**, 4<sup>th</sup> WMO International Workshop on Extratropical Transition  
**2010** **Member**, 7<sup>th</sup> WMO International Workshop on Tropical Cyclones Working Group  
**2010** **Member**, AMS 25<sup>th</sup> Conf. on Severe Local Storms Program Committee  
**2010** **Member**, AMS 29<sup>th</sup> Conf. on Hurricanes/Tropical Meteor. Program Committee

### University Service

**2018-2021** **Member**, UWM Information Technology Policy Committee  
**2017-present** **Recruitment Ambassador**, UWM College of Letters and Science  
**2014** **Coordinator**, UWM StormReady Initiative  
**2012-present** **UCAR Member Representative**, Univ. of Wisconsin-Milwaukee  
**2011-present** **Local Manager**, WxChallenge Forecasting Competition  
**2011-present** **Supervisor**, UWM Atmospheric Science Club

### Department/Program Service

**2017-present** **Member**, UWM Dept. of Mathematical Sciences Strategic Planning Committee  
**2017-2018** **Member**, UWM Dept. of Mathematical Sciences Undergraduate Committee  
**2017-2018** **Member**, UWM Dept. of Mathematical Sciences Dept. Mgr. Search Committee  
**2017-2018** **Member**, UWM Dept. of Mathematical Sciences Merit Committee  
**2016-2017** **Member**, UWM Dept. of Mathematical Sciences Assessment Committee  
**2014-present** **Member**, 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 Operational Meteorology*  
*Journal of the Atmospheric Sciences*  
*Monthly Weather Review*  
*National Environment Research Council (UK)*  
*National Science Foundation (USA)*  
*Quarterly Journal of the Royal Meteorological Society*  
*Weather and Forecasting*

I have also been a reviewer for one tenure-granting and promotion to Associate Professor case in an external Atmospheric Science program.

## **Invited Colloquia and Seminars**

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| <b>2018</b> | <b>NOAA/NWS/Storm Prediction Center</b><br>"A Preliminary Evaluation of Paired Regional/Convection-Allowing Model-Forecast Vertical Profiles in Warm-Season, Thunderstorm-Supporting Environments" |
| <b>2018</b> | <b>Northern Illinois Univ., Dept. of Geography</b><br>"The Rear-Inflow Jet Evolution of Idealized, Mature Mesoscale Convective Systems"  |
| <b>2018</b> | <b>Greater Milwaukee Chapter of the AMS</b><br>"The Harvey-Irma-Maria Hurricanes: An Atlantic Hurricane Season Retrospective"  |
| <b>2017</b> | <b>St. Cloud State Univ., Dept. of Atmospheric and Hydrologic Sciences</b><br>"The Rear-Inflow Jet Evolution of Idealized, Mature Mesoscale Convective Systems"                                    |
| <b>2016</b> | <b>Lyndon State College, Dept. of Atmospheric Sciences</b><br>"Understanding Trends in and Controls on Atlantic Hurricane Season Length"   |
| <b>2016</b> | <b>Univ. of Wisconsin-Madison, Dept. of Atmospheric and Oceanic Sciences</b><br>"On the Short- to Medium-range Predictability of Thunderstorm Formation"   |
| <b>2015</b> | <b>Greater Milwaukee Chapter of the AMS</b><br>"How do Forecasters Utilize Ensembles? Case Study of a High-Impact Event"   |
| <b>2014</b> | <b>Central Michigan Univ., Dept. of Earth and Atmospheric Sciences</b><br>"The Predictability of Mesoscale Convective Phenomena"   |
| <b>2014</b> | <b>Omaha/Offutt Chapter of the AMS/NWA</b><br>"How do Forecasters Utilize Output from a Convection-Permitting Ensemble Forecast System? Case Study of a High-Impact Precipitation Event"           |
| <b>2014</b> | <b>Univ. of Georgia, Dept. of Geography</b><br>"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**            **Univ. 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 Univ., Dept. of Earth, Ocean, and Atmospheric Science**  
 "A Unique Pathway to Tropical Cyclogenesis: Tropical Storm Erin (2007)"
- 2010**            **Univ. 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"

I have also been interviewed by UWM, local television stations, and Internet media approximately twenty times since 2012.

### **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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#### **2019**

Prince, K., and **C. Evans**, 2019: A climatology of indirect tropical cyclone interactions in the Atlantic basin. *Abstract, Special Symposium on Mesoscale Meteorological Extremes: Understanding, Prediction, and Projection*, Phoenix, AZ, Amer. Meteor. Soc., 1.23.

Schaffer, J., P. J. Roebber, and **C. Evans**, 2018: Using evolutionary programming to generate improved tropical cyclone intensity forecasts. *Abstract, 18<sup>th</sup> Conf. on Artificial Intelligence and its Applications to the Environmental Sciences*, Phoenix, AZ, Amer. Meteor. Soc., 4B.1.

#### **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.

- Evans, C.**, S. J. Weiss, I. L. Jirak, A. R. Dean, and D. S. Nevius, 2018: An evaluation of paired regional/convection-allowing model-forecast vertical profiles in warm-season, thunderstorm-supporting environments. *Abstract, 29<sup>th</sup> Conf. on Severe Local Storms*, Stowe, VT, Amer. Meteor. Soc., 5.5.
- 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.
- 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 Severe Local Storms*, Stowe, VT, Amer. Meteor. Soc., 6B.2.
- 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**

- Burlingame, B. M., **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2015: Planetary boundary layer parameterization's control on ensemble forecasts of convection initiation. *Abstract, 27<sup>th</sup> Conf. on Weather Analysis and Forecasting/23<sup>rd</sup> Conf. on Numerical Weather Prediction*, Chicago, IL, Amer. Meteor. Soc., 1B.5.
- Evans, C.**, D. F. Van Dyke, and T. Lericos, 2015: How do forecasters utilize output from a convection-permitting ensemble forecast system? Case study of a high-impact precipitation event. *Abstract, 5<sup>th</sup> Conf. on Transition of Research to Operations*, Phoenix, AZ, Amer. Meteor. Soc., 818.
- Grunzke, C., and **C. Evans**, 2015: A preliminary investigation into the practical and intrinsic predictability of the 8 May 2009 "Super Derecho" event. *Abstract, 17<sup>th</sup> Cyclone Workshop*, Pacific Grove, CA, 11.4.
- Karloski, J. M., and **C. Evans**, 2015: Seasonal influences upon and long-term trends in the length of the Atlantic hurricane season. *Abstract, 27<sup>th</sup> Conf. on Weather Analysis and Forecasting/23<sup>rd</sup> Conf. on Numerical Weather Prediction*, Chicago, IL, Amer. Meteor. Soc., 4B.1.
- Keclik, A. M., **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2015: The influence of assimilating targeted observations upon ensemble forecasts of convection initiation. *Abstract, 27<sup>th</sup> Conf. on Weather Analysis and Forecasting/23<sup>rd</sup> Conf. on Numerical Weather Prediction*, Chicago, IL, Amer. Meteor. Soc., 1B.4.

## **2014**

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## 2008

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## 2006

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## Professional Memberships & Honor Societies

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- 2010-2012** American Geophysical Union  
**2005** Chi Epsilon Pi, Florida State University Chapter

**2004** Phi Beta Kappa, Alpha Chapter of Florida  
**2003** National Society of Collegiate Scholars  
**2002-present** American Meteorological Society