

# 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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### Education

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- 2009**      **Florida State University, Ph.D., Meteorology**  
Dissertation Advisor:    Dr. Robert Hart
- 2006**      **Florida State University, M.S., Meteorology**  
Thesis Advisor:         Dr. Robert Hart
- 2004**      **Florida State University, B.S., Meteorology, Magna Cum Laude**  
Minors:                    Physics, Mathematics  
Research Advisor:      Dr. Xiaolei Zou

### Professional Positions

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- 2016-present**    **Associate Professor**  
University of Wisconsin-Milwaukee, Department of Mathematical Sciences
- 2014-present**    **Program Chair**  
University of Wisconsin-Milwaukee, Atmospheric Science Program
- 2011-2016**      **Assistant Professor**  
University of Wisconsin-Milwaukee, Department of Mathematical Sciences
- 2009-2011**      **Postdoctoral Fellow**  
University Corporation for Atmospheric Research, Advanced Study Program
- 2004**             **Research Assistant**  
Florida Climate Center/Center for Ocean-Atmospheric Prediction Studies
- 2003-2004**      **Undergraduate Research Assistant**  
Florida State University, Department of Meteorology

### Awards and Honors

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- 2009**             **First Place**, Ph.D. Poster Competition, AMS 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 complete listing of citations may be found on my [Google Scholar](#) page.

*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.*, provisionally accepted.

*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.*

*Keclik, A. M., C. Evans, P. J. Roebber, and G. S. Romine, 2017: The influence of assimilated targeted observations upon ensemble forecasts of convection initiation. *Mon. Wea. Rev.*, in review.*

*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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- 2017-2019 National Oceanic and Atmospheric Administration**  
 "FY 2017 Joint Hurricane Testbed: Evolutionary programming for probabilistic tropical cyclone intensity forecasts. Award Pending; \$199,527; 7/1/17-6/31/19.
- 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**

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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>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>2016</b>	<b>Tropical Meteorology</b>	(Atm Sci 470, University of Wisconsin-Milwaukee)
<b>2015</b>	<b>Synoptic Meteorology II</b>	(Atm Sci 361, University of Wisconsin-Milwaukee)
<b>2014</b>	<b>Synoptic Meteorology I</b>	(Atm Sci 360, 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**

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### 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 Spring 2018)
<b>2016-present</b>	<b>David Nevius</b>	(M.S. expected Spring 2018)
<b>2016-present</b>	<b>Kevin Prince</b>	(M.S. expected Spring 2018)
<b>2015-present</b>	<b>Aaron Sanneman</b>	(M.S. expected Summer 2017; joint with S. Kravtsov)
<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 Met Intern, NWS Chanhassen, MN)
<b>2014-2016</b>	<b>Bryan Burlingame</b>	(M.S.; now Data Analyst, Shyft, Seattle, WA)
<b>2014-2016</b>	<b>Caleb Grunzke</b>	(M.S.; now CIMMS/SPC Res. Assoc., Norman, OK)
<b>2013-2015</b>	<b>Juliana Karloski</b>	(M.S.; now Innovative Wea. Special Projects Lead)
<b>2012-2014</b>	<b>Alex Manion</b>	(M.S.; now Met Intern, NWS Detroit/Pontiac, MI)
<b>2011-2013</b>	<b>Brock Burghardt</b>	(M.S.; Ph.D. 2017, Texas Tech University)

### Undergraduate Students

<b>2017</b>	<b>Mackenzie Nuthals</b>	(Capstone Advisor)
<b>2016</b>	<b>Alec Muniz</b>	(Capstone Advisor)
<b>2015</b>	<b>Hillary (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)

### Thesis or Dissertation Committee Member

<b>2017</b>	<b>Hillary (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)
<b>2016</b>	<b>Timm Uhlmann</b>	(M.S., University of Wisconsin-Milwaukee)
<b>2015</b>	<b>Noriyuki Sugiyama</b>	(Ph.D., University of Wisconsin-Milwaukee)
<b>2015</b>	<b>Dawn Kopacz</b>	(Ph.D., University of Wisconsin-Milwaukee)
<b>2015</b>	<b>Justin Weber</b>	(M.S., University of Wisconsin-Milwaukee)
<b>2014</b>	<b>Joshua Verbeten</b>	(M.S., University of Wisconsin-Milwaukee)
<b>2013</b>	<b>Joseph Pehoski</b>	(M.S., University of Wisconsin-Milwaukee)
<b>2012</b>	<b>Jeremy Duggan</b>	(M.S., University of Wisconsin-Milwaukee)
<b>2012</b>	<b>John Peters</b>	(M.S., University of Wisconsin-Milwaukee)
<b>2012</b>	<b>Marc Pilon</b>	(M.S., University of Wisconsin-Milwaukee)
<b>2012</b>	<b>Zachary Uttech</b>	(M.S., University of Wisconsin-Milwaukee)

## Professional Service

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### National and International Service

**2018** **Organizer**, AMS Special Symposium on Impact-Based Decision Support Services  
**2017** **Session Chair**, AMS 28<sup>th</sup> Conf. on Wea. Anal. & Forecasting/24<sup>rd</sup> Conf. on NWP  
**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  
**2016** **Member**, AMS Max Eaton Award Selection Committee  
**2016** **Session Chair**, AMS 32<sup>nd</sup> Conf. on Hurricanes and Tropical Meteorology  
**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  
**2014** **Session Chair**, AMS 26<sup>th</sup> Conf. on Wea. Anal. & Forecasting/22<sup>nd</sup> Conf. on NWP  
**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-present** **Associate Editor**, *Monthly Weather Review*  
**2012** **Rapporteur**, 4<sup>th</sup> WMO International Workshop on Extratropical Transition  
**2012** **Member**, AMS Max Eaton Award Selection Committee  
**2010** **Session Chair**, AMS 25<sup>th</sup> Conf. on Severe Local Storms  
**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, Department, and Community Service

**2017-present** **Faculty Recruitment Ambassador**, UWM College of Letters and Science  
**2016-present** **Member**, UWM Mathematical Sciences Department Assessment Committee  
**2014-present** **Member**, UWM Mathematical Sciences Department Graduate Committee  
**2014** **Coordinator**, UWM StormReady Initiative  
**2013-2014** **Chair**, UWM Mathematical Sciences Department Event Organizing Committee  
**2012-present** **UCAR Member Representative**, University of Wisconsin-Milwaukee  
**2011-present** **Local Manager**, WxChallenge Forecasting Competition  
**2011-present** **Advisor**, UWM Atmospheric Science Club Student Organization  
**2011-2016** **Member**, UWM Mathematical Sciences Department Colloquium Committee  
**2011-2016** **Member**, UWM Mathematical Sciences Department Event Organizing Committee  
**2010-2011** **Organizer**, UCAR/NCAR/MMM 'Dynamics Happy Hour' Seminar Series  
**2009-2011** **Member**, UCAR/NCAR/ASP Seminar Organizing Committee  
**2002-2007** **Various Offices**, North Florida Local Chapter of the AMS

### 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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- 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 American Meteorological Society**  
"How do Forecasters Utilize Ensembles? Case Study of a High-Impact Event"
- 2014 Central Michigan University, Department of Earth and Atmospheric Sciences**  
"The Predictability of Mesoscale Convective Phenomena"
- 2014 Omaha/Offutt Chapter of the Amer. Meteor. Society/Natl. Weather Association**  
"How do Forecasters Utilize Output from a Convection-Permitting Ensemble Forecast System? Case Study of a High-Impact Precipitation Event"
- 2014 University of Georgia, Department of Geography**  
"Oklahoma's Tropical Storm: The Curious Case of T.S. Erin's Inland Reintensification"
- 2013 Greater Milwaukee Chapter of the American Meteorological Society**  
"Superstorm Anatomy: 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 Recurving 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 Visitor Positions**

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- 2017 Hazardous Weather Testbed Spring Forecasting Experiment (also 2011-2013, 2015)**  
NOAA/National Severe Storms Laboratory, Norman, Oklahoma
- 2013 Visiting Scientist Program**  
NCAR/NESL/Mesoscale and Microscale Meteorology Division, Boulder, Colorado
- 2012 Visiting Scientist Program**  
NOAA/National Hurricane Center, Miami, Florida

- 2012**            **“Shaping the Development of EarthCube to Enable Advances in Data Assimilation and Ensemble Prediction” Workshop**  
Unidata/National Science Foundation, Boulder, Colorado
- 2006**            **“The Challenge of Convective Forecasting” Summer Colloquium**  
UCAR/Advanced Study Program, Boulder, Colorado

## **Presentations**

*(advised student)*

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### **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.
- 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, Puerto Rico, 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**

Burlingame, B. M., **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2014: A preliminary investigation into the influence of initial condition and planetary boundary layer parameterization uncertainty upon the intrinsic predictability of convection initiation. *Abstract, 27<sup>th</sup> Conf. on Severe Local Storms*, Madison, WI, Amer. Meteor. Soc., 51.

**Evans, C.**, and R. S. Schumacher, 2014: The influence of the low-level jet upon the overland reintensification of Tropical Storm Erin (2007). *Abstract, 26<sup>th</sup> Conf. on Weather Analysis and Forecasting/22<sup>nd</sup> Conf. on Numerical Weather Prediction*, Atlanta, GA, Amer. Meteor. Soc., 574.

**Evans, C.**, and R. S. Schumacher, 2014: The predictability and dynamics of the overland reintensification of Tropical Storm Erin (2007). *Abstract, 31<sup>st</sup> Conf. on Hurricanes and Tropical Meteorology*, San Diego, CA, Amer. Meteor. Soc., 8D.8.

Keclik, A. M., B. M. Burlingame, **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2014: A preliminary investigation into the practical predictability of convection initiation during the Mesoscale Predictability Experiment (MPEX). *Abstract, 27<sup>th</sup> Conf. on Severe Local Storms*, Madison, WI, Amer. Meteor. Soc., 64.

Manion, A., **C. Evans**, T. Olander, and C. Velden, 2014: An evaluation of Advanced Dvorak Technique-derived intensity estimate errors and biases during extratropical transition utilizing synthetic satellite imagery. *Abstract, 31<sup>st</sup> Conf. on Hurricanes and Tropical Meteorology*, San Diego, CA, Amer. Meteor. Soc., 13C.2.

Manion, A., **C. Evans**, J. Sears, C. Velden, and T. Olander, 2014: An evaluation of Advanced Dvorak Technique-derived intensity estimate errors and biases during the extratropical transition of tropical cyclones. *Abstract, 26<sup>th</sup> Conf. on Weather Analysis and Forecasting/22<sup>nd</sup> Conf. on Numerical Weather Prediction*, Atlanta, GA, Amer. Meteor. Soc., 8.6.

## **2012**

Burghardt, B., **C. Evans**, and P. Roebber, 2012: An investigation into the short-range predictability of convection initiation: model verification and case study analyses. *Abstract, 26<sup>th</sup> Conf. on Severe Local Storms*, Nashville, TN, Amer. Meteor. Soc., 15.3.



- Evans, C.**, 2012: Factors influencing extreme precipitation associated with Tropical Storm Fay (2008) across north Florida and southwest Georgia. *Abstract, 30<sup>th</sup> Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., P1.9.
- Evans, C.**, and R. E. Hart, 2012: The thermodynamic evolution of an extratropically transitioning cyclone. *Proceedings, 4<sup>th</sup> Intl. Workshop on Extratropical Transition*, Sainte-Adele, Quebec, World Meteor. Org., 4.2.
- Evans, C.**, M. L. Weisman, and L. F. Bosart, 2012: Analysis of the development of the intense warm-core mesovortex associated with the 8 May 2009 central United States "Super Derecho" event. *Abstract, 26<sup>th</sup> Conf. on Severe Local Storms*, Nashville, TN, Amer. Meteor. Soc., 8B.6.
- Evans, C.**, and coauthors, 2012: The PRE-Depression Investigation of Cloud-Systems in the Tropics (PREDICT) field campaign: perspectives of early career scientists. *Abstract, 30<sup>th</sup> Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., S1.3.
- Evans, C.**, and coauthors, 2012: The PRE-Depression Investigation of Cloud-Systems in the Tropics (PREDICT) field campaign: educational perspectives of early career scientists. *Abstract, 21<sup>st</sup> Conf. on Education*, New Orleans, LA, Amer. Meteor. Soc., P108.
- Van Dyke, D. F., **C. Evans**, and T. Lericos, 2012: Convection-resolving ensemble-based forecasts of extreme precipitation associated with landfalling tropical cyclones: assessment of skill and utility in the operational forecasting process. *Abstract, 30<sup>th</sup> Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., 5C.1.
- Weisman, M. L., **C. Evans**, G. Romine, and K. Manning, 2012: The 29 June 2012 derecho: analysis of a 3 km WRF-ARW forecast and comparisons to the 8 May 2009 derecho event. *Abstract, 26<sup>th</sup> Conf. on Severe Local Storms*, Nashville, TN, Amer. Meteor. Soc., 8B.5.

## **2011**

- Carroll, D., and **C. Evans**, 2011: Model verification of intense mesoscale convective vortices at the surface: simulation of Tropical Storm Erin (2007). *Abstract, 10<sup>th</sup> Annual Student Conference*, Seattle, WA, Amer. Meteor. Soc., S92.
- Cordeira, J. M., H. M. Archambault, K. S. Griffin, L. F. Bosart, and **C. Evans**, 2011: Early career scientist involvement in the PRE-Depression Investigation of Cloud-systems in the Tropics (PREDICT) field experiment. *Abstract, 36<sup>th</sup> Northeastern Storms Conference*, Taunton, MA.
- Evans, C.**, R. S. Schumacher, and T. J. Galarneau, Jr., 2011: Quantification of the processes driving the overland reintensification of Tropical Storm Erin (2007). *Abstract, 24<sup>th</sup> Conf. on Weather Analysis and Forecasting/20<sup>th</sup> Conf. on Numerical Weather Prediction*, Seattle, WA, Amer. Meteor. Soc., 15B.1.
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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