

WEDNESDAY, MARCH 14	
7:45 AM	REGISTRATION & SIGN-IN
8:15 AM	WELCOME
KEYNOTE ADDRESS	
8:30 AM	Tom Skilling – Chief Meteorologist, WGN TV Chicago

9:30 – 9:45 AM BREAK

LAKE EFFECT SNOW & COOL SEASON MARINE	
9:45 AM	A Preliminary Examination of Snow to Water Ratios during Lake Effect Snowfall Events at NOAA/NWS Marquette, MI - Michael Dutter (<i>NOAA/NWS WFO Marquette, MI</i>)
10:10 AM	Comparing Physics Scheme Performance for a Lake Effect Snowfall Event in Northern Lower Michigan - Andrew Molthan (<i>NASA Short-term Prediction Research and Transition (SPoRT) Center - Marshall Space Flight Center, Huntsville, AL</i>) and Justin Arnott (<i>NOAA/NWS WFO Gaylord, MI</i>)
10:35 AM	Seasonal Evaluation of Lake Effect Snow Forecasts from High Resolution WRF Simulations: Sensitivity to Microphysics, Lake Surface Temperatures and Ice Concentration - Justin Arnott (<i>NOAA/NWS WFO Gaylord, MI</i>) and Andrew Molthan (<i>NASA Short-term Prediction Research and Transition (SPoRT) Center - Marshall Space Flight Center, Huntsville, AL</i>)
11:00 AM	An Analysis of Cool Season Synoptic High Wind Events on Lake Superior - Todd Kluber (<i>NOAA/NWS WFO Marquette, MI</i>)

11:25 AM to 1:00 PM BREAK FOR LUNCH

CONVECTIVE WEATHER	
1:00 PM	The June 30, 2011 Lake Michigan Supercell - An Overview and the Role of Terminal Doppler Radar Data In Identifying Storm Scale Features - J. J. Wood (<i>NOAA/NWS WFO Milwaukee, WI</i>) and Richard Castro (<i>NOAA/NWS WFO Chicago, IL</i>)
1:25 PM	Intense Near-Surface Wind Shear in Severe Thunderstorm Environments: A Closer Look at Implications for Near-Surface Stability and Tornadogenesis Potential - Daniel J. Miller (<i>NOAA/NWS WFO Duluth, MN</i>) and Greg E. Mann, Ph. D. (<i>NOAA/NWS WFO Detroit, MI</i>)
1:50 PM	The Persistence and Dissipation of Lake Michigan-Crossing Mesoscale Convective Systems - Nicholas D. Metz (<i>Hobart and William Smith Colleges</i>) and Lance F. Bosart (<i>University at Albany</i>)
2:15 PM	A Survey of Doppler Era Michigan Tornado Events - Christopher Vagasky (<i>Mississippi State University, Starkville, MS</i>)

2:40-2:55 PM BREAK

MARINE	
2:55 PM	Analyzing Channel Currents Near the Lake Superior Shoreline in Marquette, MI – Keith Cooley (<i>NOAA/NWS WFO Marquette, MI</i>)
3:20 PM	Rip Currents on the Great Lakes – Megan Babich (<i>NOAA/NWS WFO Marquette, MI</i>)
3:45 PM	Twenty-Three Foot Waves on Lake Michigan! - Examining Storm Events on Lake Michigan -Mike Bardou and Kevin Birk (<i>NOAA/NWS WFO Chicago, IL</i>)
4:10 PM	A New Waterspout Prognostic System - Wade Szilagyi and Kwok K. Chung (<i>Meteorological Service of Canada</i>)
4:35 PM	The Great Waterspout Outbreak of 2011 (Lake Michigan, 2011 September 24) - Wade Szilagyi (<i>Meteorological Service of Canada</i>)

5:00 PM – END DAY ONE**Join us at 6:30 PM for a deep-dish pizza dinner at Giordano's (233 W. Jackson Blvd)!**

THURSDAY, MARCH 15	
7:45 AM	REGISTRATION & SIGN-IN
8:15 AM	WELCOME
MARINE	
8:30 AM	Forecast Considerations Regarding the Lake Michigan Pneumonia Front – Cory Behnke (NOAA/NWS WFO Detroit, MI)
8:55 AM	Tragedy Strikes the 2011 Chicago-Mac - Mark A. Thornton (LakeErieWX LLC, Westlake, Ohio)
9:20 AM	Simulating Extreme Waves at the Great Lakes: Performance of NCEP's Operational Wave Models - Jose-Henrique Alves, Arun Chawla, Hendrik Tolman (NOAA/NCEP – Environmental Modeling Center, Camp Springs, MD), Greg Mann (NOAA/NWS WFO Detroit, MI), Gregory Lang, David Schwab (NOAA GLERL, Ann Arbor, MI)
09:45 AM	Evaluation of Great Lakes Ice Model (GLIM) Real-time Ice Forecasts During the 2011-2012 Ice Season - Robert LaPlante (NOAA/NWS WFO Cleveland, OH), David Schwab, Jia Wang, Gregory Lang (NOAA GLERL, Ann Arbor, MI)

10:10 – 10:25 AM BREAK

FIRE WEATHER	
10:25 AM	The Air Quality Forecast Challenges and Triumphs during the Northwestern Ontario Forest Fire Event of July 2011 - Trudy McCormack, Weiqing Zhang, Sarah Wong (Environment Canada)
10:50 AM	Interesting Aspects of the Pagami Creek Wildfire in Northeast Minnesota – Kevin Kraujalis, Rose Sengenberger and Daniel J. Miller (NOAA/NWS WFO Duluth, MN)
INTERNATIONAL COLLABORATION	
11:15 AM	Marine Weather Collaboration Project Between NOAA/NWS and EC/MS - David Soroka (NOAA NWS Marine Program Manager – Silver Spring, MD) and Rebecca Wagner (Manager, Ontario Storm Prediction Centre [OSPC] Environment Canada, Toronto, Ontario)
11:40 AM	Leveraging Binational Collaborative Research to Advance Great Lakes Hydrological Science and Improve Operational Forecasting - Andrew Gronewold (NOAA GLERL) and Vincent Fortin (Meteorological Service of Canada)

12:05 PM to 1:30 PM BREAK FOR LUNCH

FORECASTING AIDS: METEOROLOGICAL AND HYDROLOGICAL	
1:30 PM	Cobb Snow Tool - An Update Dan Cobb (NOAA/NWS WFO Grand Rapids, MI)
1:55 PM	The HPC Surface Desk - M. Sean Ryan (NOAA/NWS/NCEP – Hydrometeorological Prediction Center, Camp Springs, MD)
2:20 PM	An Early Look at NWS Dual-Polarization Radar Data in the Great Lakes - Matthew Friedlein and Ben Deubelbeiss (NOAA/NWS WFO Chicago, IL)
2:45 PM	CaPA: A seamless precipitation analysis for the Great Lakes (and elsewhere in North America) - Vincent Fortin, Guy Roy (Meteorological Research Division, Environment Canada) and Daniel Deacu (Meteorological Service of Canada, Environment Canada)

3:10 – 3:25 PM BREAK

FORECASTING AIDS: CLIMATOLOGY AND ANOMALIES	
3:25 PM	A Fresh Spin on Tornado Occurrence and Intensity in Ontario –David Sills (Cloud Physics and Severe Weather Research Section, Environment Canada; Toronto, Ontario)
3:50 PM	Using Anomalies to Forecast High Impact Events - David L. Beachler (NOAA/NWS WFO Chicago, IL)
4:15 PM	Wintertime Climate Variability in the Lake Michigan Region: Sensitivity of Snowfall to Temperature and Northern Hemisphere Teleconnection Patterns - Craig Clark, Travis Elless, Tony Lyza, and Sarah Mustered (Valparaiso University)
4:40 PM	Improving Great Lakes Water Balance Forecasting through Regionalized Calibration of the Large Basin Runoff Model – Lauren Fry (CILER, Ann Arbor, MI)

5:05 PM END DAY TWO

***** Times Subject to Change *****

FRIDAY, MARCH 16	
7:45 AM	REGISTRATION & SIGN-IN
8:15 AM	WELCOME

TORNADO EVENTS	
8:30 AM	An Analysis of the 25 May 2011 Tornado Event in Northeast Illinois and Northwest Indiana - Anthony W. Lyza, and R. Evaristo, S. K. Mustered, T. J. Elless, S. A. Al-Momar, I. R. Lee, T. M. Bals-Elsholz, B. J. Wolf, K. H. Goebbert, A. J. Stepanek, and C. A. Clark (<i>Valparaiso University, Valparaiso, IN</i>) and E. Lenning (<i>NOAA/NWS WFO Chicago, IL</i>)
8:55 AM	The 26 October 2010 Tornado Outbreak: Research Applied to Operations - Jon Chamberlain (<i>NOAA/NWS WFO Rapid City, SD</i>) and Jeff Logsdon (<i>NOAA/NWS WFO Syracuse, IN</i>)
9:20 AM	Destruction in the 'Prettiest Town in Canada' - An Examination of the Goderich Ontario F3 Tornado – Arnold Ashton (<i>Ontario Storm Prediction Centre, Environment Canada, Toronto</i>) and David Sills (<i>Cloud Physics and Severe Weather Research Section, Environment Canada, Toronto</i>)
9:45 AM	<i>Withdrawn</i>

10:10 – 10:25 AM BREAK

WINTER WEATHER	
10:25 AM	The 2011 Groundhog Day Blizzard: A Synoptic and Mesoscale Overview – Stephen Rodriguez (<i>NOAA/NWS WFO Chicago, IL</i>)
10:50 AM	The 2011 Groundhog Day Thundersnow Blizzard - An Equivalent Potential Vorticity and Frontogenetical Forcing Perspective - Ed Shimon (<i>NOAA/NWS WFO, Lincoln IL</i>)
11:15 AM	An Examination of Decision Support Services Provided by the National Weather Service During Major Winter Storms - Denny VanCleve, Marcia Cronce (<i>NOAA/NWS WFO Milwaukee, WI</i>) and Jamie Enderlen (<i>NOAA/NWS WFO Chicago, IL</i>)

CLOSING SESSION – A LOOK BACK IN HISTORY	
11:40 AM	The Weather Behind the 1780 Sinking of the HMS Ontario - Robert Hamilton (<i>NOAA/NWS WFO Buffalo, NY</i>)

12:15 PM CONFERENCE WRAP-UP

Withdrawn presentations:

Improving Lake Effect Snow Nowcasting and Accumulation Estimates Using Combined GOES and NEXRAD Data - Mark Kulie, Andrew Heidinger, Andi Walther, and Ralf Bennartz (*Cooperative Institute for Meteorological Satellite Studies- University of Wisconsin Madison, Madison, WI*)

The Predictability of Convective Mode in Lake-Effect Snow Events (Project Update) - Michael L. Jurewicz, Sr. (*NOAA/NWS WFO Binghamton, NY*)

The April 28, 2011 early-morning tornado and flash flood event in central New York and northeast Pennsylvania - Michael Evans (*NOAA/NWS, Binghamton, NY*)

Predecessor Rain Event (PRE) Characteristics of the Historic Heavy Rain/Flood Events on 7-8 September 2011 - Michael L. Jurewicz, Sr. (*NOAA/NWS WFO Binghamton, NY*)

Development and Application of a Satellite-based Cloud Object-Tracking Methodology - Daniel C Hartung, Justin M. Sieglaff, Lee M. Cronce, and Wayne F. Feltz (*Cooperative Institute for Meteorological Satellite Studies- University of Wisconsin Madison, Madison, WI*)

A Preliminary Examination of the Elevation Dependence of Snowfall in Northeast Pennsylvania - Michael Evans (*NOAA/NWS WFO Binghamton, NY*)

Challenges with Quasi-Linear Convective System (QLCS) Tornadoic Events during the Transition and Warm Seasons over the Mid-Mississippi Valley Region: An Overview of Our Capabilities and Limitations - Ron W. Przybylinski (*NOAA/NWS WFO St. Louis, MO*)