

Preliminary Agenda – 7/27/07

Day One – Morning
Wednesday September 5th

- 7:30 AM **Registration**
- 8:00 AM **Introductions and Welcome**
- 8:25 AM **Synoptic and Local Controls of the Lake Michigan Pneumonia Front**
Cory Behnke, NOAA/National Weather Service, Detroit, Michigan
- 8:45 AM **Lake Breezes and Summer Severe Weather in Westerly Flows**
Patrick King, Ontario Storm Prediction Centre
- 9:05 AM **A Conceptual Model for Warm Season Elevated Convection Over Lake Michigan** – *Jeffrey P. Craven, NOAA/National Weather Service, Milwaukee/Sullivan, Wisconsin*
- 9:25 AM Break
- 9:40 AM **The Lake Michigan/Northwest Indiana Supercell of 23 August 2006**
Jeff Logsdon, Todd Holsten and Jon Chamberlain, NOAA/National Weather Service, Northern Indiana
- 10:00 AM **Wisconsin's First \$100 Million Storm - The May 12, 2000 Elevated Supercell** – *Jeffrey K. Last and Eugene S. Brusky, NOAA/National Weather Service, Green Bay, Wisconsin.*
- 10:20 AM **A Pseudo-Objective Assessment of Local High Resolution WRF-ARW Forecasts of Convection** - *Tom Hultquist and Andrew Just NOAA/National Weather Service, Marquette, Michigan*
- 10:40 AM Break
- 10:50 AM **Nowcasting Severe Convection Using Objective Tools Which Optimize the Impact of Sequences of GOES Satellite Derived Moisture Products** - *Ralph Petersen¹ and Robert Aune²*
¹ Cooperative Institute for Meteorological Satellite Studies (CIMSS), University of Wisconsin-Madison
² NOAA/NESDIS/ORA, NESDIS/Advanced Satellite Products Team, Madison, Wisconsin

11:10 AM **CIMSS Satellite-Derived Convective Storm Nowcasting and Aviation Products** – *Kristopher Bedka, Wayne Feltz, Jordan Gerth and Justin Sieglaff, Cooperative Institute for Meteorological Satellite Studies (CIMSS), University of Wisconsin-Madison*

11:30 AM **Synthetic Geostationary Satellite Imagery from Forecast Model Output – A Quick-look Tool for Forecasting** – *Robert M. Aune², Gary S. Wade¹, and Jordan J. Gerth¹,*
¹Cooperative Institute for Meteorological Satellite Studies (CIMSS), University of Wisconsin-Madison
² NOAA/NESDIS/ORA, NESDIS/Advanced Satellite Products Team, Madison, Wisconsin

11:50 AM Lunch

Day One – Afternoon
Wednesday September 5th

1:10 PM **MODIS Products in AWIPS: Using Research Satellites in Operations**
Kathleen Strabala, Scott Bachmeier and Jordan Gerth, Cooperative Institute for Meteorological Satellite Studies (CIMSS)- University of Wisconsin-Madison.

1:30 PM **GR2Analyst Convective Applications** – *Robert Dale, WLNS TV6, Lansing, Michigan*

1:50 PM **Radar Observations of a Rare “Triple” Three-Body Scatter Spike** – *Phillip G. Kurimski, Jeffrey K. Last and Eugene S. Brusky, NOAA/National Weather Service, Green Bay, WI*

2:10 PM Break

2:25 PM **Using the Terminal Doppler Weather Radar to Supplement National Service Radar (WSR-88D) During Severe Weather Operations** – *Timothy Halbach and William Wilson, NOAA/National Weather Service, Chicago-Romeoville, Illinois*

2:45 PM **Carol Stream Illinois Microburst of March 31st 2007: The Use of Terminal Doppler Weather Radar (TDWR) to Supplement WSR-88D Data** – *Mark Ratzler, NOAA/National Weather Service, Chicago-Romeoville, Illinois*

- 3:05 PM **The Labor Day Rockford, Illinois Flash Flood and the Effects of Backward Propagation and Warm Rain Processes** – *Christopher Gitro, NOAA/National Weather Service, Chicago-Romeoville, Illinois*
- 3:25 PM Break
- 3:35 PM **An Examination of Two Flash Flooding Events on 17 September 2005 and 22 July 2006** - *Michael Dutter, NOAA/National Weather Service, Cleveland, Ohio*
- 3:55 PM **Predecessor Rainfall Events (PRE) in the Great Lakes Region / Central U.S.** – *Michael L. Jurewicz, Sr., NOAA/National Weather Service, Binghamton, New York*
- 4:15 PM **The July 19, 2006 Derecho Event – A Meteorology and Radar Review** - *Ed Shimon, NOAA/National Weather Service, Central Illinois*
- 4:35 AM **High Wind Event Across Northeast Illinois on October 2nd 2006,**
Nathan Marsili, NOAA/National Weather Service, Chicago-Romeoville, Illinois
- 4:55 PM Adjourn

Evening Activity – Brewery Tour

**Day Two – Morning
Thursday September 6th**

- 8:00 AM **The June 7, 2007 Tornadic Supercell Outbreak in Northern and Central Wisconsin** – *Eugene S. Brusky, Jeffrey K. Last and Phillip Kurimski – NOAA/National Weather Service, Green Bay, WI*
- 8:20 AM ***Invited Speaker***
- A Look at Some Supercell and Nonsupercell Tornado Settings in the Western Great Lakes** – *Jon Davies, Private Meteorologist, , Kansas City/Trimble, Missouri*
- 9:05 AM **Conditional Probability Estimation for Significant (F2 or Stronger) Tornadoes from the Logistic Regression Utilizing Near Storm Environment (NSE) Independent Variables** – *William E. Togstad and Sarah J. (Taylor) Corfidi, NOAA/National Weather Service, Chanhassen, Minnesota*
- 9:25 PM Break

- 9:40 AM **Invited Speaker**
- NCEP Overview and Future Plans** – *Dr. Louis Uccellini, Director, NOAA/NCEP, Camp Springs, Maryland*
- 10:25 AM **Operational Marine Modeling for the Great Lakes at NCEP** – *Hendrik L. Tolman, Marine Modeling and Analysis Branch, Environmental Prediction Center, NOAA/NCEP, Camp Springs, Maryland*
- 10:45 AM Break
- 10:55 AM **Status and Future Plans for the Rapid Update Cycle (RUC)** – *Stan Benjamin, Global Systems Division/Environmental Systems Research Laboratory, Boulder, Colorado*
- 11:15 AM **Probability of Event Occurrence Approach to Performance Estimate**
Phil Chadwick, Environment Canada
- 11:35 AM **Changing the Philosophy in Editing Forecast Grids** – *Steve Hentz, NOAA/National Weather Service, Milwaukee/Sullivan, WI*
- 11:55 PM **Luncheon – *Invited Speaker* (TBA)**

Day Two – Afternoon
Thursday September 6th

- 1:10 PM **The Use of Confidence Graphics to Assist in the Prediction of Changes in Large Scale Synoptic Patterns** – *David Zaff and Dominic Gaetano, NOAA/National Weather Service, Buffalo, New York*
- 1:30 PM **A Climatology of Non-Convective High Wind Events in the Great Lakes Region** - *John A. Knox¹, M. C. Lacke¹, J. D. Frye¹, A. E. Stewart¹, J. D. Durkee¹, C. F. Fuhrmann², and S. M. Dillingham¹.*
¹*University of Georgia*
²*University of North Carolina - Chapel Hill*
- 1:50 PM **Synoptic-Dynamic Aspects of Non-Convective High Winds During the 12-13 November 2003 Great Lakes Mid-Latitude Cyclone** - *John A. Knox¹, M. C. Lacke¹, J. D. Frye¹, A. E. Stewart¹, J. D. Durkee¹, C. F. Fuhrmann², and S. M. Dillingham¹.*
¹*University of Georgia*
²*University of North Carolina - Chapel Hill*
- 2:10 PM Break

- 2:25 PM **The April 15-16 Nor'easter in Central NY and Northeast PA, Part I: Overview and Snowfall Banding Aspects. Part II: Assessing Operational Precipitation Type Forecasts** – *Justin Arnott and Michael Evans, NOAA/National Weather Service, Binghamton, New York*
- 2:55PM **A Late Season “Yooper” Blizzard: Observational Analysis of 3April – 8 April 2007** – *Andrew Just and Jennifer Lee, NOAA/National Weather Service, Marquette, Michigan*
- 3:15 PM **Precipitation Type Issues During the 3-8 April 2007 Upper Michigan Blizzard: A Numerical Weather Prediction Perspective** – *Tom Hultquist, NOAA/National Weather Service, Marquette, Michigan*
- 3:35 PM Break
- 3:45 PM **Early Season Snowfalls in the Upper Midwest/Western Great Lakes**
Richard D. Mamrosh, NOAA/National Weather Service, Green Bay, Wisconsin
- 4:05 PM TBA - Greg Mann, NOAA/National Weather Service, Detroit, Michigan
- 4:25 PM **WSR-88D Snow Accumulation Algorithm Verification in Upper Michigan** – *Marcia Cronce and Tom Green, NOAA/National Weather Service, Marquette, Michigan*
- 4:45 PM **A Brief Climatology of Major Winter Storms in Milwaukee, Wisconsin** – *Bill Borghoff, NOAA/National Weather Service, Milwaukee-Sullivan, Wisconsin*
- 5:05 PM Adjourn

Day Three – Morning – Winter Weather/Other
Friday September 7th

- 8:00 AM **Lake Effect Snow Storm Over Buffalo, NY October 12-13, 2006** – *Robert Hamilton, David Zaff and Tom Niziol, NOAA/National Weather Service, Buffalo, New York*
- 8:20 AM **Special Delivery: The October 2006 Buffalo Snowstorm – FedEx’s Response** – *Dale Dockus, Senior Meteorologist, FedEx Flight Operations, Memphis, Tennessee*

- 8:40 AM **Historic Lake-Effect Snowstorm Durations Near Lake Ontario -**
David A. R. Kristovich¹, Nancy Westcott¹, Faye Barthold², Thomas Workoff², and Michael Spinar¹
¹ *Center for Atmospheric Sciences, Illinois State Water Survey, Champaign, IL*
² *Department of Atmospheric Sciences, University of Illinois, Urbana, IL*
- 9:00 AM Break
- 9:15 AM **Heavy Snow Bands Observed Downstream of the Higher Terrain on the North Shore of Lake Superior: A Preliminary Investigation**
¹*Daniel J. Miller and* ²*Robert J. Conzemius*
¹*NOAA/National Weather Service, WFO Duluth, Minnesota*
²*WindLogics, Inc., Grand Rapids, Minnesota*
- 9:35 AM **Regional Scale Ensemble Forecasts of the Lake Effect Snow Event of February 2007 – Justin Arnott¹, Michael Evans¹ and Richard Grumm²**
¹*NOAA/National Weather Service, Binghamton, New York*
²*NOAA/National Weather Service, State College, Pennsylvania*
- 9:55 AM **Mitchell Meredith** (Environment Canada) – TBA
- 10:15 AM Break
- 10:25 AM **Current Water Levels in the Great Lakes – Keith Kompoltowicz,**
Meteorologist, United States Army Corps of Engineers, Detroit, Michigan
- 10:45 AM **The Impact of Atmospheric Conditions Aloft on Fire Weather and Fire Behavior Prediction in the Eastern United States - Joseph J. Charney, Brian E. Potter, and Daniel Keyser, USDA Forest Service,**
Northern Research Station, East Lansing, Michigan
- 11:05 AM **An Examination of Extreme Heat Episodes over Southern Wisconsin**
Michael Fowle, NOAA/National Weather Service, Milwaukee/Sullivan, Wisconsin
- 11:25 AM **Upper Michigan Weather History – Karl Bohnak, WLUC TV,**
Marquette, Michigan
- 11:45 AM Workshop Ends