

THIRTY-THIRD ANNUAL
NORTHEASTERN STORM CONFERENCE AGENDA

FRIDAY, MARCH 14, 2008

Assembly Area

12:00 PM – 8:00 PM Registration and Check-In

Hampden Room

7:00 PM – 8:00 PM Lyndon State College
Prospective Student Reception

Grand Ballroom

8:20 PM – 8:30 PM Opening Remarks

8:30 PM – 9:30 PM ***Friday Night Ice-Breaker***
Speaker: Dr. Lance Bosart
Distinguished Professor, SUNY Albany
**Modern Weather Forecasting: Where Do
We Stand and Where Do We Need to Go?**

9:30 PM – 10:00 PM ***Friday Night Tribute***
Lyndon State College AMS and Invited Guests

Ryan Low 2006-2007 AMS President

Brian DeCicco 2005-2006 AMS Treasurer

Andrew Little 2004-2005 AMS Vice President

Michael Bakke 2003-2004 AMS Public Relations

Cegeon Chan 2002-2003 AMS President

Assembly Area

10:00 PM – 11:00 PM ***Friday Night Social***
Refreshments and Appetizers will be served

Agenda

SATURDAY, MARCH 15, 2008

Springfield Ballroom

7:00 AM – 8:15 AM Breakfast

Session 1a: Grand Ballroom – Salon A/B

8:20 AM – 8:30 AM Opening Remarks

8:30 AM – 8:50 AM Melissa Rod & Mike Szczepanski, *Kean University*
**Summer Season Convective Initiation
in New Jersey: Initial Analysis**

8:50 AM – 9:10 AM Dr. Nolan Atkins, *Lyndon State College*
**Bow Echo Mesovortices Part I:
Environmental Conditions and Processes
That Control Their Damaging Potential**

9:10 AM – 9:30 AM Michael St. Laurent, *Lyndon State College*
**Bow Echo Mesovortices Part II:
Genesis Mechanisms**

9:30 AM – 9:50 AM Jared Rennie, *Plymouth State University*
**Analyzing Conventional and Emerging
Radar Technologies for the May 8th, 2007
Central Oklahoma Tornado Case**

Session 1b: Grand Ballroom – Salon C/D

8:30 AM – 8:50 AM Rachelle Domke, *East Stroudsburg University*
**The Impact of Moisture on the Structure
of an Intense Oceanic Cyclone**

8:50 AM – 9:10 AM Brian Silviotti, *SUNY Albany*
**Intense Surface Cyclone Activity in the Arctic
During the 2005-06 and 2006-07 Cool Seasons**

9:10 AM – 9:30 AM Jonathan Byrne, *Consulting Meteorologist*
**The Great UK Cyclone of 1987:
Western Europe's Perfect Storm**

Agenda

9:30 AM – 9:50 AM Shawn Milrad, *McGill University*
**Storms on the Rock: Synoptic-scale
Characteristics and Precursors of Extreme
Cool-Season Precipitation Events at
St. John's, Newfoundland (1979-2005)**

9:50 AM – 10:10 AM Break and Poster Session

Session 2a: Grand Ballroom – Salon A/B

10:10 AM – 10:30 AM Rick Grimaldi, *SUNY Oneonta*
**The sensitivity of the Northeast
Colorado Thunderstorm Environment
to Upstream Surface Conditions**

10:30 AM – 10:50 AM Nicholas Metz, *SUNY Albany*
**A Severe Weather Outbreak Associated
with a Great Lakes Cutoff Cyclone**

10:50 AM – 11:10 AM Thomas Workoff, *University of Illinois*
**July 26, 2005: Convective Processes,
Transitions, and the Influence of Lake Erie**

11:10 AM – 11:30 AM Melissa Payer, *Plymouth State University*
**Seasonal Frequency of Fronts and Surface
Baroclinic Zones in the Great Lakes Region**

Session 2b: Grand Ballroom – Salon C/D

10:10 AM – 10:30 AM Neil Stuart, *NWS Albany, NY*
**The use of Ensembles and Anomalies
to Anticipate Extreme Flood Events in
the Northeastern United States**

10:30 AM – 10:50 AM Dr. Jason Shafer, *Lyndon State College*
**Synoptic and Mesoscale Characteristics of
Interior Northeastern US Snow Storms**

10:50 AM – 11:10 AM John Krasting, *Rutgers University*
**Observed and Simulated North
American Snowfall Changes for
the Late Twentieth Century**

Agenda

11:10 AM – 11:30 AM Justin Jones, *SUNY Albany*
Where has the Cold Air Gone: An Examination of Decadal Changes in Strong Early Season (Oct - Dec) Polar Anticyclonic Activity over North America

Springfield Ballroom

11:30 AM – 1:30PM Lunch

Session 3a: Grand Ballroom – Salon A/B

1:30PM – 1:40 PM Opening Remarks

1:40 PM – 2:00 PM Neil Laird, *Hobart and William Smith Colleges*
Rapid Variations in Lake Erie Ice Cover: Event Characteristics and Weather Conditions

2:00 PM – 2:20 PM Justin Arnott, *NWS Binghamton, NY*
The Lake Effect Snow Events of 30 November and 1 December 2007 Part I: Observational and Mesoscale Model Analysis of Two Lake Effect Snow Events

2:20 PM – 2:40 PM Michael Evans, *NWS Binghamton, NY*
The Lake Effect Snow Events of 30 November and 1 December 2007 Part II: Demonstration of the Usage of a Pattern Recognition Application

2:40 PM – 3:00 PM Francis Padula, *Rochester Institute of Technology*
An Improved Thermal Calibration of LANDSAT 5 through Fusion of Environmental Data Sources

Session 3b: Grand Ballroom – Salon C/D

1:40 PM – 2:00 PM Paul Sisson, *NWS Burlington, VT*
Downslope Windstorms in the Green Mountains: Affects and Correlations with Wind Anomalies

2:00 PM – 2:20 PM Daniel Michaud, *Plymouth State University*
Development of an Improved Forecasting Technique for Enhanced Northeast Winds in the Western Gulf of Maine

Agenda

- 2:20 PM – 2:40 PM Heather Dinon, *Plymouth State University*
**Convective Winds at the Florida Spaceport:
Year Three of Plymouth State research**
- 2:40 PM – 3:00 PM Cegeon Chan, *Mass. Institute of Technology*
On the Two Distinct Jet Regimes
- 3:00 PM – 3:20 PM Break and Poster Session

Session 4a: Grand Ballroom – Salon A/B

- 3:20 PM – 3:40 PM Brooke Taber, *NWS Burlington, VT*
**A Mesoscale Analysis of the Non-Tornadic
Supercell across the Champlain Valley
on 16 August 2007**
- 3:40 PM – 4:00 PM Jim Hayes, *NWS Gray, ME*
Hail in the Gray Maine County Warning Area
- 4:00 PM – 4:20 PM Thomas Wasula, *NWS Albany, NY*
**The 1 December 2006 Anomalous Severe
Weather Event across the Northeast**

Session 4b: Grand Ballroom – Salon C/D

- 3:20 PM – 3:40 PM Braden Ward, *Kean University*
**Winter Season Fog: A GIS
Approach to Interpretation**
- 3:40 PM – 4:00 PM Norman Shippee, *Plymouth State University*
**Analysis of the C-10 Research and
Education Foundation Dataset**
- 4:00 PM – 4:20 PM Victoria Schemelia & Steve Sonsa, *Kean University*
The Keancast Kean University Media Initiative

Agenda

Springfield Ballroom

4:30 PM – 5:45 PM

Panel Discussion

Garett Argianas

Chief Meteorologist, FOX 61 Hartford, CT

Zachary Byko

Commodity Research Manager, Mars Snackfood US

Kenneth Carey

Principal Systems Engineer, Noblis

John Krasting

Graduate Student, Rutgers University

Thomas Wasula

Meteorologist, NWS Albany, NY

Hampden Room

5:30 PM – 7:00 PM

Lyndon State College Alumni Reception

Grand Ballroom

7:30 PM – 10:00 PM

Banquet Dinner

Speaker: Dr. Greg Holland

Director of MMM Division, NCAR

Hurricanes: Nature's Dangerous Beauties

SUNDAY, MARCH 16, 2008

Springfield Ballroom

7:00 AM – 8:15 AM

Breakfast

Grand Ballroom

8:20 AM – 8:30 AM

Opening Remarks and Raffle

8:30 AM – 9:30 AM

Sunday Morning Keynote Speaker

Speaker: Dr. Chris Landsea

Science and Operations Officer, NHC

**Hurricanes and Global Warming:
Expectations versus Observations**

Agenda

Session 5: Grand Ballroom

- 9:30 AM – 9:50 AM William Sherman, *FleetWeather Group*
**A Forensic Approach to Hurricane Katrina:
Storm Surge in Plaquemines Parish, Louisiana**
- 9:50 AM – 10:10 AM Thomas Galarneau, *SUNY Albany*
Post-Landfall Life-Cycle of Tropical Storm Erin
- 10:10 AM – 10:30 AM Heather Archambault, *SUNY Albany*
**Predictability Associated with
Interactions Between Recurving West
Pacific Tropical Cyclones and the
Extratropical Large-Scale Flow**
- 10:30 AM – 10:50 AM Jason Cordeira, *SUNY Albany*
**An Unusual Pathway to Oceanic Cyclogenesis:
Linking “Perfect Storms” in the North Atlantic**
- 10:50 AM – 11:10 AM Break and Poster Session

Session 6: Grand Ballroom – Salon A/B

- 11:10 AM – 11:30 AM Michael Augustyniak, *SUNY Albany*
**Flow Channeling in the Mohawk and
Hudson Valleys: A Multiscale Case
Study of Surface Flow Convergence**
- 11:30 AM – 11:50 AM Eyad Atallah, *McGill University*
Wind Channeling in St. Lawrence River Valley
- 11:50 AM – 12:10 PM Bryan Woods, *Yale University*
**Understanding Mountain Waves Using
Aircraft Data and New Analysis Techniques**
- 12:10 PM – 12:30 PM Ron Smith, *Yale University*
**Orographic Precipitation and Isotope
Fractionation along the American Cordillera**
- 12:30 PM – 12:50 PM Yanping Li, *Yale University*
**Using Pressure Variations to Study Atmospheric
Tide and Local Mesoscale Circulations**
- 12:50 PM – 1:00 PM Closing Remarks

