



Third Northern Plains Winter Storm Conference

25-26 September 2008 - Saint Cloud, MN

Kelly Inn



Wednesday, September 24

7:00 - 9:00 PM [SCSU Meteorology/EAS Department Social](#), D. B. Searles, 5th
Avenue N, Saint Cloud, MN

Thursday, September 25

7:00 - 11:00 AM Conference Registration

SESSION 1: SNOWSTORM CASE STUDIES

Session Chair: Rod Kubesh, SCSU EAS

- 8:20 AM *Conference Welcome* - Rod Kubesh and Tony Hansen, Earth and Atmospheric Sciences Department, St. Cloud State University, St. Cloud, MN
- 8:25 AM *Current Weather Briefing* - Bob Weisman, Earth and Atmospheric Sciences Department, St. Cloud State University, St. Cloud, MN
- 8:50 AM *The Analysis of a Heavy Snow Event near Bussey and Oskaloosa, Iowa, on 3 February 2008* - Kenneth Podrazik, Karl Jungbluth, and Melinda Albrecht, NOAA/National Weather Service, Des Moines, IA
- 9:20 AM *April 2008 Extreme Snow Events in Northern Minnesota* - Dave Kellenbenz and Brad Bramer, NOAA/National Weather Service, Grand Forks, ND
- 9:50 AM *Break*

Session 1 Ends

SESSION 2: STATISTICS, FORECASTING TECHNIQUES, AND INSTRUMENT TESTING

Session Chair: Megen Galoff, Social Chair, SCSU NWA

- 10:20 AM *Using Short-range Ensemble Applied Products to Enhance Precipitation Type Forecasts* - Dan Baumgardt, NOAA/National Weather Service, LaCrosse, WI
- 10:50 AM *Utilization of Precipitation Type and Snow Ratio Algorithms in a Semi-Automated Forecast System* - Cory Block and Justin Shaw, Meridian Environmental Technology, Inc., Grand Forks, ND
- 11:20 AM *The Quad Copter: An Autonomous Meteorological Aircraft* - Jill Carlier, Matthew Hager, and Desiree Lee, Department of Electrical and Computer Engineering, St. Cloud State University, St. Cloud, MN

Session 2 Ends

12:00 PM *Conference Luncheon, Kelly Inn/Green Mill Restaurant*

****Keynote Speaker:** *Overview of Operations at the Hydrometeorological Prediction Center - Richard Bann, Hydrologic Prediction Center, NOAA/National Centers for Environmental Protection, Camp Springs, MD*

SESSION 3: WINTER FORECASTS AND THEIR PUBLIC IMPACTS

Session Chair: Tony Hansen, SCSU EAS

- 2:00 PM *A Review of Traffic Accidents Compared with Observed Snowfall - Todd Shea, NOAA/National Weather Service, LaCrosse, WI*
- 2:30 PM *Introduction to Post-Storm Survey Project - Matt Taraldsen (SCSU EAS)*
- 2:35 PM *Forecaster Confidence, Public Response, and Preparedness for a Nominal Winter Storm - Michael Bettwy, NOAA/National Weather Service, Duluth, MN*
- 3:00 PM *Break*
- 3:20 PM *The Duluth, Minnesota, Winter Storm of 6-7 April 2008: An Operational Perspective - Amanda Graning, NOAA/National Weather Service, Duluth, MN*
- 3:50 PM *The Northland Blizzard of 10-11 April 2008: An Overview and Operational Meteorologist's Perspective - Amy Liles, NOAA/National Weather Service, Duluth, MN*
- 4:20 PM *The Post-Storm Survey: Results from the Test Season, March-April 2008 - Matt Taraldsen (SCSU EAS), Amanda Graning, Amy Liles, and Mike Bettwy (NWS Duluth)*

Session 3 Ends

Friday, September 26

SESSION 4: EVALUATING MODEL DYNAMICS FOR SNOWSTORM FORECASTS

Session Chair: Matthew Wunsch, Treasurer, SCSU NWA

- 8:25 AM *Current Weather Briefing - Bob Weisman, Earth and Atmospheric Sciences Department, St. Cloud State University, St. Cloud, MN*
- 8:50 AM *An Evaluation of the NAM/WRF and GFS During a Frontal Snow Band Event: 6 December 2007 - Michael Fuhs, NOAA/National Weather Service, Sioux Falls, SD.*
- 9:20 AM *Frontogenesis Versus Orographic Forcing in a Central Montana Snow Event - Brian Billings, Earth and Atmospheric Sciences Department, St. Cloud State University, St. Cloud, MN*

Session 4 Ends

SESSION 5: STATISTICAL TECHNIQUES FOR ANALYZING SNOWFALL AND SNOW COVER

Session Chair: Amanda Graning, NWS Duluth

- 9:50 AM *A Statistical Analysis of Minnesota Snow Cover Temperature Feedback - Matthew Friedlein, NOAA/National Weather Service, Twin Cities/Chanhassen, MN*
- 10:20 AM *Break*
- 10:40 AM *A Synoptic Climatology of Significant Winter Storms in the Twin Cities Area - Tom Hultquist and Lisa Schmit, NOAA/National Weather Service, Twin Cities/Chanhassen, MN*

Session 5 Ends

- 11:10 AM **Mystery Snowstorm Theatre 2008:** - Rod Kubesh and Bob Weisman, Earth and Atmospheric Sciences Department, St. Cloud State University, St. Cloud, MN
- 12:15 PM *"You Wanna Make This Your Final Answer?" Closing Remarks and Door Prizes, Rod Kubesh, Earth and Atmospheric Sciences Department, St. Cloud State University, St. Cloud, MN*

End of Conference
