

2010 Lubbock Severe Weather Conference

Last updated Monday, February 1, 2010 and subject to change.

Tuesday, February 16, 2010

6:00-9:00p Icebreaker – Frazier Alumni Pavilion, Texas Tech University Campus

Wednesday, February 17, 2010

7:30-8:15a Registration / Check-in

8:15a Opening Remarks

8:30a **Lubbock Tornado Anniversary, Dr. Kishor Mehta (TTU) - keynote**

9:30a Morning Break

10:00a **Recollections of the Lubbock Tornado from a firsthand perspective**, Alan Johnson (retired NWS forecaster)

10:20a **Shear features within a convective rain band of Hurricane Frances**, Scott Gunter (TTU)

10:45a **A Case Study and Verification of WRF Simulations of Cold Pools on 11 June 2009**, Anthony Reinhart (TTU)

11:05a **Observations within a Forward Flank Region of the May 23rd, 2007 Perryton, TX Supercell**, Patrick Skinner (TTU)

11:30a Lunch Break

1:00p **The Greensburg, KS tornado**, Mike Umscheid (NWS Dodge City)

1:25p **Mapping Historical Tornadoes Across Texas and the Southern Plains**, Dr. William Monfredo (OU)

1:50p **Development of a Statistical Relationship between Ground-Based and Remotely-Sensed Damage in Windstorms**, Tanya Brown (TTU)

2:15p **The importance of data analysis in the forecast process, Dr. Chuck Doswell (OU, CIMMS)-keynote**

3:00p Afternoon Break

3:30p **The importance of data analysis in the forecast process (continued)**, Dr. Chuck Doswell

5:00p Evening break (optional social event at Orlando's Restaurant)

Thursday, February 18, 2010

7:30-8:15a Registration / Check-in

8:15a **Tropical cyclone tornadoes, Roger Edwards (SPC)-keynote**

9:15a **The Electronic Journal of Severe Storms Meteorology**, Roger Edwards (SPC)

9:30a Morning Break

10:00a **Building damage issues in hurricanes, wind vs. wave, Tim Marshall (Haag Engineering)-keynote**

11:00a **WSR-88D Observations of tropical cyclone low-level wind maxima**, Ian Giammanco (TTU)

11:30a Lunch Break

1:00p **Climatology of cloud-to-ground lightning within landfalling tropical cyclones**, Danielle Nagele (TTU)

1:25p **Total lightning observations of severe thunderstorms over Oklahoma**, Chris Burling (TTU)

1:50p **The Impacts of Thunderstorm Geometry and WSR-88D Beam Characteristics on Diagnosing Supercell Tornadoes**, Steven Piltz (NWS Tulsa)

2:20p **Thunderstorm characteristics of importance for wind engineering**, Dr. Frank Lombardo (TTU)

2:50p **University of the Incarnate Word presentation**, Larry Peabody (retired NWS forecaster)

3:00p Afternoon Break

3:30p **Evaluating a new low-cost radiosonde system for use in adaptive sounding networks**, Dr. Michael Douglas (NSSL)

3:55p **WSR-88D signatures associated with one inch hail in the Southern Plains**, Jessica Schultz (NWS Fort Worth)

4:20p **Exploiting NWRT PAR capabilities to improve temporal data resolution**, **Dr. Pamela Heinselman (NSSL)-keynote**

5:00p Evening break (optional social event at Cagle Steaks)

Friday, February 19, 2010

8:00a **The VORTEX2 Project: Goals and Preliminary Results**, **Dr. Christopher Weiss (TTU)-keynote**

8:40a **A Cost-Effective Data Collection and Photogrammetric Research Project from 2009**, Danny Cheresnick

9:05a **Analysis of baroclinity within two tornadic supercells using high resolution in-situ StickNet data**, Brad Charboneau (TTU)

9:30a Morning Break

10:00a **Three-Dimensional Lightning Mapping Observations of Supercell Storms**, Dr. Donald MacGorman (NSSL)

10:25a **Observational Analysis of the Influence of Mesoscale Convective Vortices on West Texas Heat Bursts**, Trevor Boucher (TTU)

10:50a **Warn-on-Forecast, Don Burgess (retired NSSL)-keynote**

11:45a Closing Remarks

12:00p Optional tour of the West Texas Mesonet and Wind Science and Engineering Laboratory at Reese Center