

10th Annual Senior Capstone Seminar Conference

April 25 - May 9, 2007 Madison, WI, USA

823 Atmospheric Oceanic and Space Sciences Building

W April 25

- 1:20-1:40 James Conrad Prediction Accuracy for Winter Storm Tracks
1:40-2:00 Michelle Buerger Ecological Effects of ENSO
2:00-2:20 Joe Fillingham On the Circulation of Lake Michigan
2:20-2:40 Jason Anderson A Whirlwind Tour of Tornadoes Around the World
2:40-3:00 Charles Koch Climate Change and Forest Fires
3:00-3:20 Steve Froehlich ENSO and Tropical Cyclone Variation
3:20-3:40 Ari Sarsalari Interannual Variability in the Strength of Alberta Clippers

W May 2

- 1:20-1:40 Katie Horst Hydrothermal Vents and Ocean Chemistry
1:40-2:00 Adam Varble An Illuminating Tour of Lightning Around the World
2:00-2:20 Brandon Swedland Improved Accuracy in Severe Weather Forecasting
2:20-2:40 Renee Geiser The Lowdown on the Kona Low
2:40-3:00 Nick Grunseth Anticyclogenesis and Ageostrophic Circulations
3:00-3:20 Francie Gary Relationship Between Freeze Duration of Midlatitude
Inland Lakes and Climate Change
3:20-3:40 Teddy Lyons The Pineapple Express - It Blows!

W May 5

- 1:20-1:40 Amanda Kis Stratospheric Dry Intrusions and Wind Storms
1:40-2:00 Nick Lien Forecasting Typhoon Tracks
2:00-2:20 Nicole Schiffer Swirl Ratio and Modelled Hurricanes
2:20-2:40 Andy Mankowski Deforestation in the Amazon
2:40-3:00 Dan Chavas On the Use of Quasigeostrophic Potential Vorticity in the
Observation and Analysis of African Easterly Waves in
Tropical Cyclogenesis
3:00-3:20 Dan Hartung The Gales of November: A 30 Year Synoptic Climatology
of Early November Cyclones in the Great Plains Upper
Midwest
3:20-3:40 Dave DeMeuse Changes in Precipitation Patterns due to Changing
Agricultural and Vegetation Patterns

Admission is free! Refreshments will be provided.