

CG/AR Annual Review Poster Session
April 17, 2007
Hilton Hotel, Fort Collins

Clouds, Icing, and Aerosols Effects Research Theme Posters:

Jianguo Niu, Larry Carey, Ping Yang, and Thomas Vonder Haar: *Towards Improving Satellite Remote Sensing of Mixed Phase Cloud: A Study on Microphysical and Optical Properties*

Curtis J. Seaman, J. Adam Kankiewicz, and Thomas H. Vonder Haar: *Assimilation of Satellite Radiances to Improve Forecasting of Mid-level, Mixed-phase Clouds*

Kelley Wells, Marcin Witek, Piotr Flatau, Douglas Westphal, and Sonia Kreidenweis: *Studies of Dust Transport Modeling and Related Applications*

Adam J. Smith, Brian M. Griffin, Jean-Christophe Golaz, and Vincent E. Larson: *Analyzing a Mid-level Cloud Layer: Comparison of 1D Parameterized and Large Eddy Simulations*

Urban and Boundary Layer Environment Research Theme Posters:

Major Timothy E. Nobis: *Creating a Washington, DC Urban Morphology for Use in RAMS/TEB*

David M. Stokowski, Roger Pielke, Sr., and Giovanni Leoncini: *Replacement of Parameterized Physics with Look-up-tables (LUTs)*

Hydrometeorology Research Theme Posters:

C.L. Combs, D. Rapp, A. Jones, and G. Mason: *Comparison of AGRMET Model Results with In Situ Moisture Data*

Pierre Julien, James Halgren, Seema Shah-Fairbank, Mark Velleux, and John England: *Hydrology, Sediment, and Contaminant Modeling*

Remote Sensing of Battlespace Parameters Research Theme Posters:

Mo Azimi, Michael McCarron, Gordon Wichern, and Michael Mungiole: *Operationally Adaptive Acoustic Transmission Loss Prediction System*

Environmental Modeling and Assimilation Research Theme Posters:

Steven J. Fletcher, Milija Zupanski and Thomas Vonder Haar: *Summary of the 7th International Adjoint Workshop, Obergurgl, Austria, 8th-13th October 2006*

Steven J. Fletcher, Milija Zupanski and Thomas Vonder Haar: *Impacts of Transforming Lognormal Variables into Normal Variables in VAR*

Dusanka Zupanski, Milija Zupanski, Steven Fletcher, Thomas Vonder Haar and Ken Eis: *Quantifying Information Content of Data in Ensemble Data Assimilation: Applications to WRF Model and Real Observations*

Laura D. Fowler and William Cheng: *Implementation of the RAMS Two-moment Cloud Microphysics Scheme in WRF*

Scott Longmore, Andrew S. Jones, Adam Carheden, Thomas H. Vonder Haar, and Tomi Vukicevic: *Experience and Lessons Learned Regarding Configuration and Control of an Advanced 4 Dimensional Variational Satellite Data Assimilation System*

Matt Masarik, Wayne Schubert, and Brian McNoldy: *Potential Vorticity Aspects of the MJO*

Manajit Sengupta, Andrew Jones, Laura Fowler, Scott Longmore, Curtis Seaman, and Thomas Vonder Haar: *4 Dimensional Data Assimilation of GOES Sounder Radiances*

Tarendra Lakhankar, Andrew Jones, Cynthia Combs, Dustin Rapp and Thomas H. Vonder Haar: *Geostatistics of Large Scale in-situ and Satellite Derived Soil Moisture Data*

Michael Smith, Steve Saleeby and William R. Cotton: *Boundary Layer Forecasting in the Battlefield Environment. Dust Emission, Deposition, and Effects on Visibility*