WILLIAM A. GALLUS, JR.

A. PROFESSIONAL PREPARATION

B.S. (with highest distinction)	1987	Penn. State University	Meteorology
M.S. (NSF Fellow)	1989	Colorado State University	Atmospheric Sci.
Ph.D.	1993	Colorado State University	Atmospheric Sci.
Post-Doc (National Meteorological Center – UCAR Visiting Post-Doc)	1993-1995		

B. APPOINTMENTS

- Professor, Department of Geological and Atmospheric Sciences, Iowa State University, July 1, 2006 – present.
- Associate Professor, Department of Geological and Atmospheric Sciences, Iowa State University, July 1, 2001 – June 30, 2006.
- Assistant Professor, Department of Geological and Atmospheric Sciences, Iowa State University, August 16, 1995 – June 30, 2001.

C. PUBLICATIONS

Five most closely related to the proposed project

Clark, A., W. A. Gallus, Jr., and T.-C. Chen, 2007: Comparison of the diurnal cycle in convection-resolving and non-convection-resolving mesoscale models. *Mon. Wea. Rev.*, **135**, 3456-3473.

Jankov, I., W. A. Gallus, Jr., M. Segal, and S. E. Koch, 2007: Influence of initial conditions on the WRF-ARW model QPF response to physical parameterization changes. *Wea. Forecasting*, **22**, 501-519.

Gallus, W. A., Jr., and J. F. Bresch, 2006: Comparison of impacts of WRF dynamic core, physics package, and initial conditions on warm season rainfall forecasts. *Mon. Wea. Rev.*, **134**, 2632-2641.

Gallus, W. A., Jr., and M. Segal, 2001: Impact of improved initialization of mesoscale features on convective system rainfall in 10 km Eta simulations. *Wea. Forecasting*, **16**, 680-696.

Gallus, W. A., Jr., 1999: Eta simulations of three extreme precipitation events: Impact of resolution and choice of convective parameterization. *Wea. and Forecasting*, **14**, 405-426.

Other significant publications

Aligo, E. A., W. A. Gallus, Jr., and M. Segal, 2007: Evaluation of rainfall forecast spread in an ensemble initialized with different soil moisture analyses. *Wea. Forecasting*, **22**, 299-314.

Grams, J. S., W. A. Gallus, Jr., L. S. Wharton, S. E. Koch, A. Loughe, and E. E. Ebert, 2006: The use of a modified Ebert-McBride technique to evaluate mesoscale model QPF as a function of convective system morphology during IHOP 2002. *Wea. Forecasting*, **21**, 288-306.

Jankov, I., W. A. Gallus, Jr., M. Segal, B. Shaw, and S. E. Koch, 2005: On the impacts of different physical parameterizations and their interactions on warm season MCS rainfall. *Wea. Forecasting*, **20**, 1048-1060.

Jankov, I., and W. A. Gallus, Jr., 2004: MCS rainfall forecast accuracy as a function of large-scale forcing. *Wea. Forecasting*, **19**, 428-439.

Gallus, W. A., Jr., and M. Segal, 2000: Sensitivity of forecasted rainfall in a Texas convective system to soil moisture and convective parameterization. *Wea. Forecasting*, **15**, 509-525.

D. SYNERGISTIC ACTIVITIES

- NOAA/SPC/NSSL Spring Program (now NOAA Hazardous Weather Testbed) invited participant (2001-2004, 2007)
- NOAA/FSL (now ESRL/GSD) invited summer visiting researcher (2003)
- WRF-DTC visiting scientist (one summer month in 2004, 2005)
- Chief-Editor - *Wea. Forecasting* (2007 – 2010), Associate Editor – *Wea. Forecasting* (2001-06), *Mon. Wea. Rev.* (2004-06)