

Daryl E. Herzmann

Curriculum Vitae

Contact information

Department of Agronomy
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Education

- B.A., 2001, Iowa State University. Meteorology Major. GPA: 3.33/4.0.

Employment

Iowa State University, October 1997 - present

- October 1997 - May 2001: Partnerships to Advance Learning in Science (PALS). Supervisor: Dr Doug Yarger. Duties included website administration, database programming and data manipulation.
- March 1998 - May 2001: International Institute for Theoretical & Applied Physics (IITAP). Supervisor: Doug Fils. Duties included multi-platform systems administration, computer programming and computer instruction.
- August 2001 - present: Iowa Environmental Mesonet (IEM). Supervisor: Dr Dennis Todey and Dr Raymond Arritt. Duties included integrating, archiving, disseminating and analyzing diverse environmental datasets. Serves as the focal point for the IEM effort.

Current Research Projects

- The Iowa Environmental Mesonet. Integrating diverse datasets from eight different observing networks in the state of Iowa. Program and maintain data ingestion / manipulation systems to process the data. Exploring and implementing new techniques for data visualization and dissemination. Coordinate with local agencies with oversight of their observing networks. Data focalpoint for observations in the state of Iowa.

Papers

- Cruse, R.M., D. Flanagan, J. Frankenberger, B.K. Gelder, D. Herzmann, D. James, W.F. Krajewski, M.M. Kraszewski, J.M. Laflen, J Opsomer and D. Today, 2006: Daily estimates of rainfall, water runoff, and soil erosion in Iowa, *Journal of Soil and Water Conservation*, 61(4), 191-199.
- Herzmann, D.E., J. Wolt, and R. Arritt, 2008: Representativity of a mesoscale network for weather-related factors governing pollen dispersal, *International Journal of Biometeorology*, 52(7), 617-624.
- Coleman, T.A., K. Knupp, and D. Herzmann, 2009: The Spectacular Undular Bore in Iowa on 2 October 2007, *Monthly Weather Review*, 137(1), 495-503.

Awards

- November 2002, Larry R Johnson Award, National Weather Association.
- 2007, Environmental Hero Award, National Oceanic and Atmospheric Administration.

Membership in Professional Societies

- National Weather Association

Computational Skills

- Operating Systems: Linux, UNIX.
- Programming Languages: Java, PHP, Python, SQL.
- Markup and Scripting Languages: HTML, XML, WML, shell scripting.
- Graphing packages: NCL, GrADS, RIP, VIS5D.
- Misc: System Administration on Linux and Unix.