

Hauss Reinbold

Assistant Research Scientist, Computer Science
Division of Atmospheric Sciences
2215 Raggio Parkway
Reno, NV 89512-1095

Email: Hauss.Reinbold@dri.edu
CEFA website: <http://cefa.dri.edu/>

Education

University of Nevada, Reno	Atmospheric Science	M.S.	2003
Walla Walla College	Physics	B.S.	1998

Professional Interest

Mr. Reinbold's research interests include mesoscale meteorology, wildland fire and weather relationships, predictive modeling of climate and meteorological impacts in the western United States, visualization techniques, GIS, data analysis, and applications research. His thesis work was verification of a climate model as compared to remote automated weather stations.

Research Areas

- Analysis of Climate and Wildfire relationships on a local climate
- ecosystem database management
- climate forecasts for use in planning suppression of wildland fire
- lightning strike analysis pertaining to fire starts
- scientific visualization
- dissemination of research products via the web.

Professional Experience

June 2004-present	Assistant Research Scientist/Programmer, DRI – Division of Atmospheric Sciences, Reno, NV
Nov 2003-May 2004	Temporary Assistant Research Scientist, DRI – Division of Atmospheric Sciences, Reno, NV
Aug 2001-Oct 2003	Graduate Research Assistant, DRI – Division of Atmospheric Sciences, Reno, NV

Skills and Abilities

- Excellent knowledge of the programming languages Fortran 77, Fortran 90 and NCAR Command Language
- Familiar with shell scripting, make, and the programming languages Perl and C
- Practical experience and skills with software such as Dreamweaver, ArcGIS, JMP, and ArcGIS
- Experience with Sun and SGI workstations and the unix operating environment, including X11
- Familiar with both PC and Macintosh operating environments
- Familiar with weather model output, automated weather station data, and large ecosystem datasets

Publications

Reinbold, Hauss J., J.O. Roads, T.J. Brown, 2005: Evaluation of the Experimental Climate Prediction Center's fire danger forecasts with remote automated weather station observations. *International Journal of Wildland Fire*, **14**, Evaluation of the Experimental Climate Prediction Center's fire danger forecasts with remote automated weather station observations, **14**(1), 19-36.
<http://dx.doi.org/10.1071/WF04042>.

Reinbold, Hauss J., T. J. Brown, J.O. Roads, B. L. Hall, 2004: Verification of ECPC's Fire Climate and Fire Danger Forecasts. Proceedings of the *Fifth Symposium on Fire and Forest Meteorology*, 14 pp.

Technical Reports

Brown, T. J., B. Hall, C. Mohrle, H. Reinbold, 2002: Coarse Assessment of Federal Wildland Fire Occurrence Data. *CEFA Report 02-04*.

Conference Presentations

Harris, S., Mills, G., Brown, T. J., Podnar, D., Fearon, M. G., Reinbold, H. J. (2015). Victoria fire weather climatology dataset, Proceedings of the Research Forum at the Bushfire and Natural Hazards CRC & AFAC conference: Adelaide, Australia, September 1, 2015.

Brown, T. J., Mills, G., Harris, S., Podnar, D., Fearon, M. G., Reinbold, H. J. (2015). Hi-resolution fire weather and climatology from dynamical downscaling, ICBFR: Alhero, Italy, May 28, 2015.

Brown, T. J., Mills, G., Harris, S., Podnar, D., Fearon, M. G., Reinbold, H. J. (2015). Hi-resolution fire weather and climatology from dynamical downscaling, American Meteorological Society 11th Fire and Forest Meteorology Symposium: Minneapolis, MN, May 6, 2015.

Brown, T. J., Mills, G., Harris, S., Podnar, D., Fearon, M. G., Reinbold, H. J. (2015). Finally, A 40-year mesoscale gridded fire climatology for Victoria, Project briefing for the Victoria Department of Environment and Primary Industries, April 7, 2015.

Brown, T. J., Mills, G., Harris, S., Podnar, D., Fearon, M. G., Reinbold, H. J. (2015). Hi-resolution fire weather and climatology from dynamical downscaling, Seminar presentation School of Earth Atmosphere and Environment, Faculty of Science, Monash University: Clayton, Victoria, March 27, 2015.

Brown, T. J., Mills, G., Harris, H., Podnar, D., Reinbold, H. J., Fearon, M. G. (2014). A hi-resolution 40-year gridded fire weather/danger climatology for Victoria, Australia, VII International Conference on Forest Fire Research: Coimbra, Portugal, November 17, 2014.

Brown, T. J., Mills, G., Harris, S., Podnar, D., Fearon, M. G., Reinbold, H. J. (2014). Fire weather climatology of Victoria, Invited talk. Project briefing for the Victoria Department of Environment and Primary Industries: Melbourne, VIC, March 24, 2014.

Brown, T. J., Mills, G., Harris, S., Podnar, D., Fearon, M. G., Reinbold, H. J. (2014). Fire weather climatology of Victoria, Invited talk. Project briefing for the Victoria Country Fire Authority: Melbourne, VIC, March 25, 2014.

Mills, G., Brown, T. J., Harris, S., Podnar, D., Reinbold, H. J. (2014). Modelling the mesoscale fire weather climatology of Victoria, Australian Meteorological and Oceanographic Society National Conference: Hobart, Tasmania, Australia, February 12, 2014.

Mills, G., Brown, T. J., Harris, S., Podnar, D., Reinbold, H. J. (2013). A 40-year mesoscale gridded fire weather climatology for Victoria, Proceedings 20th International Congress on Modelling and Simulation: Adelaide, Australia, December 1, 2013.

Collaborators

Dr. John Roads
Director, Scripps Experimental Climate Prediction Center

Advisors

Tim Brown, DRI, Division of Atmospheric Science, Master's Degree