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Area of Expertise:

Select Publications:

Brunner, D., N. Savage, O. Jorba, B. Eder, L. Giordano, A. Badia, A. Balzarin, R. Baró, R. Bianconi, C. Chemel, G. Curci, R. Forkel, P. Jiménez-Guerrero, M. Hirtl, A. Hodzic, L. Honzak, U. Im, C. Knote, P. Makar, A. Manders-Groot, E. van Meijgaard, L. Neal, J. Pérez, G. Pirovano, R. San Jose, W. Schroder, R. Sokhi, D. Syrakov, A. Torian, P. Tuccella, J. Werhahn, R. Wolke, K. Yahya, R. Zabkar, Y. Zhang, C. Hogrefe, AND S. Galmarini. Comparative analysis of meteorological performance of coupled chemistry-meteorology models in the context of AQMEII phase 2. *ATMOSPHERIC ENVIRONMENT*. Elsevier Science Ltd, New York, NY, 115:470-498, (2015).

Appel, W., S. Napelenok, C. Hogrefe, G. Pouliot, B. Eder, K. Foley, AND S. Roselle. Evaluation of the Community Multiscale Air Quality model version 5.1. 14th Annual CMAS Conference, Chapel Hill, NC, October 05 - 07, 2015.

Appel, W., S. Napelenok, C. Hogrefe, G. Pouliot, B. Eder, K. Foley, AND S. Roselle. Preliminary Evaluation of the Community Multiscale Air Quality (CMAQ) Model Version 5.1. 2015 Air and Waste Management Association Spring Meeting, Raleigh, NC, June 22 - 25, 2015.

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Education:

- B.S. in Meteorology, North Carolina State University, Raleigh, NC, 1980
- M.S. in Meteorology, North Carolina State University, Raleigh, NC, 1984
- Ph. D. in Meteorology, North Carolina State University, Raleigh, NC, 1993

Professional Experience:

- Senior Research Scientist AMAD / EPA, Research Triangle Park, NC, 2008 – Present
- Adjunct Assoc. Professor MEAS Dept / NCSU, Raleigh, NC, 1995 – Present
- Visiting Lecturer GEOG Dept / UNC-CH, Chapel Hill, NC, 2010 – Present
- Adjunct Asst. Professor GEOG Dept / UNC-CH, Chapel Hill, NC, 1998 – 2000
- 1985 - 2008 Research Meteorologist ARL / NOAA,

- 1984 - 1985 Computer Scientist ASMD ARL / NOAA
- 1981 - 1984 Asst. State Climatologist MEAS Dept / NCSU, Raleigh, NC,