Post-doctoral Research Position in Atmospheric Chemistry and Transport Modeling

April 28, 2014

The Department of Mechanical Engineering at the University of Colorado Boulder is seeking candidates for a post-doctoral position in atmospheric chemistry and transport modeling within the Air/Water/Gas (AWG) Sustainability Research Network project. A one or two-year appointment is available. The AWG project is examining the environmental impacts of future scenarios for oil and gas development in the Rocky Mountain Region. The successful candidate for this position will develop emissions inventories for oil and gas production and use, and will conduct atmospheric chemistry and transport modeling to examine the impacts of the emissions on ozone and other secondary air pollutants. Required qualifications include:

- A Ph.D. in atmospheric sciences, engineering, or a related discipline;
- Prior research experience with CMAQ, WRF-Chem, GEOS-Chem or a similar atmospheric chemistry and transport modeling system;
- Strong computational skills including knowledge of Fortran and ability to work in a UNIX/Linux environment;
- Interest in policy-relevant scientific research that considers economic and policy drivers for future emissions scenarios;
- Excellent writing and oral communication skills.

Prior experience with construction and modification of emissions inventories and with use of observational data for model evaluation will also be beneficial.

To apply, please send a cover letter, resume, writing sample, and a list of three references to Professor Jana Milford, jana.milford@colorado.edu; Department of Mechanical Engineering, 427 UCB, University of Colorado Boulder, 80309-0427.

Review of applications will begin on May 19, 2014.