

**Postdoc Position Opening in Air Quality Modeling
Department of Chemical Engineering, University of Utah**

Applications are invited for a postdoctoral researcher to join the Atmospheric Turbulence and Air Quality Research Group (<http://haholmes.wordpress.com/>) at the University of Utah (UU). The postdoc position is available for one year, with the potential to renew for another year. The postdoc will conduct research under Dr. Heather Holmes in air pollution, numerical modeling, and atmospheric turbulence. The primary focus will be on numerical weather prediction models (WRF) and chemical transport modeling (WRF-Chem, CMAQ) to research atmospheric chemistry and physics. Specific topics of investigation include modeling wildfire smoke plume transport, improving wildfire smoke emissions estimates using data from laboratory experiments, developing new turbulence parameterizations for vertical mixing over mountainous terrain, and estimating human exposures to wildfire smoke.

The successful applicant will manage their research projects and work closely with collaborators at the UU, University of Nevada-Reno, and Desert Research Institute. This research is inherently interdisciplinary so it is expected that collaborations will come from multiple departments including engineering, atmospheric sciences, and health sciences. Applicants should have a PhD in atmospheric sciences, physical sciences, chemistry, engineering, or a related field. Candidates with a strong computational background or experience working with large data sets are encouraged to apply. Preference will be given to candidates that have experience working with WRF, CMAQ, and emissions inventories. The anticipated position start date is late 2020 or early 2021. Interested candidates should apply online through the University of Utah job portal at the following link (<https://utah.peopleadmin.com/postings/108590>). The position will remain open until filled.

The University of Utah is an R1 research institution and one of the leading universities in technology innovation and commercialization. The Department of Chemical Engineering fosters a collaborative, interdisciplinary environment. The Center for High Performance Computing provides resources and technical support for individuals in simulation science. The state of Utah enjoys a thriving economy with consistent recognition as one of the top states for business, job growth, and quality of life.