

**Assistant or Associate Professor – Department of Atmospheric Science
The University of Alabama in Huntsville**

The Department of Atmospheric Science at the University of Alabama in Huntsville (UAH) seeks applicants for an assistant or associate professor faculty position. The successful candidate will be asked to enthusiastically contribute to the Department of Atmospheric Science including the B.S. and M.S. in Earth System Science (ESS) and M.S. and Ph.D. in Atmospheric Science. Responsibilities of the professor will include teaching graduate and undergraduate courses and providing effective service to the University and the larger community while also enhancing their own highly dynamic and growing research program through submission of peer-reviewed proposals and papers.

Candidates should have an emerging or established, vibrant research program that can respond to evolving funding opportunities. The candidate's research program should complement and enhance the existing strengths of departmental research in the physics, chemistry, and dynamics of the atmospheric or Earth surface system. Experience in one or more of the department's core research areas such as satellite remote sensing of atmospheric constituents or water resources, modeling/data assimilation, ground-based remote sensing, or GIS and remote sensing is desired (<http://www.uah.edu/science/departments/atmospheric-science/research>).

This successful candidate will benefit from potential collaborations within a wide array of nationally and internationally recognized research and operational organizations hosted at the National Space Science and Technology Center (NSSTC), including NASA Marshall Space Flight Center's Earth Science Office, the co-located Huntsville National Weather Service Forecast Office, the Earth System Science Center (ESSC), and the Severe Weather Institute and Radar & Lightning Laboratories (SWIRLL).

Applicants must have a Ph.D. in Atmospheric or Earth Science or related field. To be considered at the associate professor level, applicants should have at least 3 years of experience with demonstrated success in securing research grants and contracts, a community recognized record of scholarship, and teaching experience at the undergraduate or graduate level. Candidates at the assistant professor level should have a developing record of scholarship and teaching experience and demonstrate significant future promise in securing research funding. The chosen candidate will be offered a highly competitive salary and start-up package, and have full access to high-quality research space, state-of-the-art instrumentation and observational datasets, as well as to computing and facilities in academic and research center units.

Required application materials include curriculum vitae, names of four references and statements of teaching and research philosophies. The candidate must also outline how their scientific skills will enhance the department's ongoing research, teaching and outreach activities. Email the application material to chair@nsstc.uah.edu. Please contact Dr. Larry D. Carey, Interim Chair of the Atmospheric Science Department at the University of Alabama in Huntsville for further information (chair@nsstc.uah.edu). Information about the department can be found at: <http://www.nsstc.uah.edu/atmos/>.

Review of applications will begin on 26 January 2015 and continue until the position is filled.

The University of Alabama in Huntsville is a Carnegie very-high-research activity institution with over \$97 million in research expenditures in 2013 and a student body of just under 8,000. UAH is ranked by the NSF in the top 20 in the nation for federal funding of research in aeronautical & astronautical engineering, astronomy, atmospheric science, computer science, and management & economics, and is in the top 20 in total research funding from Department of Defense and NASA. USA Today and Princeton Review reported UAH as one of the top 50 educational values in the U.S. in 2011.

The Huntsville metropolitan area is a culturally diverse community with a population of about 400,000 and a high concentration of technical professionals. The area is home to more than 50 Fortune 500 companies including several federal research facilities – NASA Marshall Space Flight Center and the Army’s Missile Defense Agency, Material Command, Aviation and Missile Command, and Space and Missile Defense Command, as well as the HudsonAlpha Institute for Biotechnology.

The Department of Atmospheric Science has a rich tradition as a productive graduate academic research unit, recently ranked in the top ten by the Chronicle of Higher Education based on faculty research productivity index. It is co-located with the closely aligned Earth System Science Center, the National Weather Service and NASA in the National Space Science and Technology Center, thereby enabling students a unique collaborative experience. A cross-cutting theme of the Department is the development and application of remote sensing technology to Earth Science disciplines, including clouds, aerosols, land use/land cover change, climate, data assimilation, nowcasting, chemistry, air pollution, lightning, hurricanes, tornadoes and other severe weather.

(<http://www.uah.edu/science/departments/atmospheric-science/research/research>). These research activities frequently support NASA activities such as the SPoRT (Short-term Prediction Research and Transition) Center (<http://weather.msfc.nasa.gov/sport>) and SERVIR (http://www.nasa.gov/mission_pages/servir/).

The graduate programs in the Department of Atmospheric Science provide excellent training in research/analysis and interdisciplinary education to students interested in issues related to the environment, strengthening their capability to conduct research leading to transition of observational and numerical modeling products to public policy and decision making.

<http://www.uah.edu/science/departments/atmospheric-science/ats-students>

The undergraduate ESS degree in the Department is built upon a set of interdisciplinary core courses including the Earth’s climate system, remote sensing, hydrology, public policy, and pollution problems. ESS students select from the following three specialty tracks: Atmospheric Science/Meteorology, GIS and Remote Sensing, and Human Dimensions/Societal Impacts.

<http://www.uah.edu/science/departments/earth-systems>

The SWIRLL facility will be in full operations as of January 2015. UAH operates significant facilities such as the ARMOR (fixed) and MAX (mobile) dual-polarized Doppler radars, MIPS – mobile profiling system, ozone and other lidars, GPS sounding station, radiosonde and ozonesonde stations, lightning mapping array, and electronics laboratories.

http://nsstc.uah.edu/ats/ats_swirll.html

The University of Alabama in Huntsville is an affirmative action / equal opportunity employer of minorities / females / veterans / disabled

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