



Position: Postdoctoral Fellow in Climate, Hydrology, and Data Science

Description: The Climate Analytics Group (<https://aub.ie/ClimateAnalytics>) in the Department of Crop, Soil, and Environmental Sciences at Auburn University is looking for a post-doctoral fellow. This position is renewable annually for up to two years depending on performance and availability of funding. The principal responsibilities will include conducting research on understanding and predicting of climate indicators, extreme events, and impacts on water, food, and ecosystems using data science, artificial intelligence (AI), and process-based modeling approaches with emerging climate/earth system data generated from sensors, satellites, numerical simulations, etc. The work will inform decision making, climate adaptations and resilience actions in food and agricultural systems, ecosystems, and water resources, and interact with stakeholders at regional or national scales (e.g., climate prediction center, coastal community, agricultural community, federal emergency management agency). Current research activities in the group are sponsored by National Science Foundation (NSF), National Institute of Food and Agriculture (NIFA), National Oceanic and Atmospheric Administration (NOAA), National Aeronautics and Space Administration (NASA), and Alabama Center of Excellence (ALCOE). The Auburn University Postdoctoral Fellow Association offers excellent resources and mentoring opportunities for postdocs career and professional development.

Qualifications: Applicants must have a PhD in a science or engineering field (such as climate/earth system science, hydrology, meteorology, environmental science or engineering, agricultural and biological engineering, geographic information science, computer science, statistics, or related fields) at the time employment begins. Preferred experience and qualification include modeling (e.g., climate models, hydrologic models, land surface models), statistics and machine learning, computer programming (e.g., Python, R, etc.), ability to work with large, multi-dimensional data (e.g., netCDF, GRIB, HDF, GeoTIFF files), excellent written and oral communications skills, and a record of high-quality publications in peer-reviewed journals.

Advertised Salary: \$53,760 plus benefits.

Application Deadline Date: Position open until filled; application review begins immediately.

Application: If interested, please send an email to Dr. Di Tian (tiandi@auburn.edu) with application letter describing candidate's qualifications and experience related to the position, CV, graduate unofficial transcripts, and contact information of three references.

Contact information: Questions regarding the position may be directed to:

Dr. Di Tian
Department of Crop, Soil, and Environmental Sciences
226 Funchess Hall, Auburn University
Auburn, AL 36849, USA
Email: tiandi@auburn.edu

Auburn University is a land grant institution recognized for its commitment to world-class scholarship, interdisciplinary research with an elite, top-tier Carnegie R1 classification. Auburn is home to more than 30,000 students, and its faculty and research partners collaborate to develop and deliver meaningful scholarship, science and technology-based advancements that meet pressing regional, national and global needs. The campus is located in the city of Auburn, which is a beautiful university town ranked by U.S. News & World Report among the top ten list of the best places to live in the United States for the year 2009.