

PhD Assistantship in Agricultural Meteorology/Climatology

Description

The Agricultural and Hydrological Climatology Lab (<http://www.ag.auburn.edu/~dzt0025/>) at Auburn University is seeking for one highly-motivated PhD student in Agricultural Meteorology/Climatology. The new students will pursue a PhD in either Crop, Soil, and Environmental Sciences or Earth System Science. The expected starting time is the beginning of Spring or Fall semester in the year 2019. The successful candidate will have the opportunity to design and conduct research in one or more of the following areas: 1) using weather and climate forecasts for process-based agronomic or ecological modeling applications; 2) improving agricultural decision making using climate and satellite remote sensing datasets; 3) assessing impacts of climate variability and change on agro-ecosystems. The new student will be expected to conduct high-quality research, assist teaching, present research findings in national or international conferences, and publish in peer-reviewed scientific journals. A competitive stipend (>\$20,000 per year) with full tuition waiver will be provided to qualified candidates.

Qualifications

1. A B.S. & M.S. degree in a science or engineering discipline related to climate, e.g. meteorology, environmental physics, agricultural engineering, agronomy, biostatistics, plant epidemiology and others. A deserving candidate with a B.S. degree will also be considered for a combined M.S. and Ph.D. program.
2. A strong analytical and quantitative skill as demonstrated within academic transcripts and/or publication records.
3. Computing and statistical skill (e.g., R, Matlab, Python) and experience with climate or remote sensing data analysis, crop modeling, and/or biostatistics are advantageous.
4. Possess or demonstrate a potential for excellent written and verbal communication skills.

Application Instructions

Please apply for admission to the Department of Crop, Soil, and Environmental Sciences through the graduate school of Auburn University (<http://graduate.auburn.edu/prospective-students/application-instructions/>). Application materials include CV, personal statement, official transcripts, three letters of recommendation, and official GRE score. TOEFL/IELTS score is required for international applicants.

Prospective students are also encouraged to contact Dr. Di Tian (tiandi@auburn.edu) via email using the subject "Prospective Graduate Student" to discuss their interests.

Contact Information

Prof. Di Tian, Department of Crop, Soil and Environmental Sciences, 226 Funchess Hall, Auburn University, AL 36849, USA; Telephone. (334) 844-3819; Email: tiandi@auburn.edu. Webpage: <http://ceses.auburn.edu/di-tian/>. Lab: <http://www.ag.auburn.edu/~dzt0025/>

University Information

Auburn University is a major land grant university in the state of Alabama and is among the top public research universities in the nation with demonstrated excellence in research and teaching. 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.