POSITION ANNOUNCEMENT

Assistant Professor of Cloud Physics and Climate Change  
Department of Land, Air & Water Resources, University of California, Davis

Title: The Department of Land, Air & Water Resources in the College of Agricultural and Environmental Sciences at the University of California, Davis is recruiting an Assistant Professor of Cloud Physics and Climate Change. This is an academic year (9-month), Assistant Professor tenure-track position with teaching, research, outreach/engagement and service responsibilities. The appointee will also conduct mission-oriented research and outreach/engagement of relevance to the California Agricultural Experiment Station (http://caes.ucdavis.edu/research/agexpstn).

Responsibilities:
The Department of Land, Air & Water Resources is seeking applicants that focus on the impacts of clouds on climate and how these impacts are affected by changes in the earth system. The successful candidate is expected to establish a competitively funded research program to address critical issues such as warm or cold cloud microphysical processes, aerosol-cloud-radiation interactions, or improving the representation of clouds within either regional or global climate models. These issues can be addressed using approaches that include modeling, field work, and/or laboratory work. The ideal candidate will link cloud processes with other components of the Earth system, especially the hydrologic system, and will work on issues relevant to California. The candidate’s research is expected to complement existing departmental research activities in large-scale and climate dynamics, climate modeling, mesoscale modeling, biomicrometeorology, boundary-layer meteorology, hydrology, Earth system modeling, and atmospheric chemistry. The appointee will teach undergraduate Atmospheric Science and Environmental Science and Management majors in courses such as cloud physics (ATM 120), geophysical fluid dynamics (ATM 121a and 121b), climate change (ATM 116), and radiative transfer (ATM 128). In addition, the successful candidate will teach general education courses in climate change (ATM 5) or severe weather (ATM 10) and graduate courses on topics such as advanced dynamics (ATM 221), climate dynamics (ATM 241), or cloud physics – climate interactions (which has not been offered on campus). After a few years of building a course portfolio, the appointee will teach an average of 2.5 courses each year (i.e., every 3 quarters) - typically 2 undergraduate courses each year and a graduate course in alternate years – as well as occasionally offer a seminar series. Supervision of graduate students, undergraduate student advising, curricular development, participation in outreach programs, and university service are expected. Consistent with the mission of a Land Grant university and in support of the goals of the California Agricultural Experiment Station, research developed under the appointee’s research program should include an applied component useful to constituents in the public and/or private sectors.

Qualifications:
A Ph.D. or equivalent degree in Atmospheric Science, Meteorology, or a closely related discipline is required. Post-doctoral experience is preferred. Evidence of research excellence is expected. The candidate should have the ability to develop and deliver undergraduate and graduate courses and the ability to develop and conduct extramurally funded research in cloud physics and climate change.

Salary:
Commensurate with experience within the Assistant Professor rank at the University of California.
Applications:
Application materials must be submitted via the UC Davis RECRUIT website, https://recruit.ucdavis.edu. The position will remain open until filled. To ensure consideration, applications should be received by January 31, 2016.

Applications need to include: 1) curriculum vitae including publication list, 2) up to three publications, 3) undergraduate and graduate transcripts, 4) statement of research accomplishments and future research plans, 5) statement of teaching accomplishments and philosophy, and 6) four to six professional letters of reference. Applicants are encouraged to submit an optional Statement of Contributions of Diversity. Inquiries not addressed on the RECRUIT website should be directed to Professor Cort Anastasio, Search Committee Chair, at canastasio@ucdavis.edu.

UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.