

POSITION DESCRIPTIONS

The Department of Geography at the University of Nevada, Reno (UNR), Nevada, invites national and international applications for two tenure-track **Assistant Professor** positions, one in the area of **Paleoclimate Modeling** and the other in the area of **Ecoclimatology**. These positions will be initially funded through the current Nevada NSF-EPSCoR project entitled “Nevada Infrastructure for Climate Change Science, Education, and Outreach” (<http://www.nevada.edu/epscor/nsf-overview.html>), and relate mainly to the “Climate Modeling” and “Ecological Change” infrastructure-building components. The appointments will begin 1 August 2010. The successful candidates are expected to establish a widely recognized research program in climate change, supervise graduate students, and teach undergraduate and graduate courses. Teaching responsibilities will be one course per year during the first three years of the appointment, three courses in the fourth year, and four courses starting from the fifth year, with a possibility of course releases depending on the availability of extramural research funds. Salary and benefits are competitive and commensurate with experience and education.

Candidates will be evaluated on previous experience, communication skills, publication record, grant and contract activities, ability to work both collaboratively and independently, supervisory experience, and personal area of expertise that complements existing faculty. Candidates will be expected to develop their own research projects as well as to contribute to existing projects and pursue additional external funding to investigate new ideas. These positions are part of a multi-disciplinary, multi-institutional team that includes UNR, the Desert Research Institute (DRI), and the University of Nevada, Las Vegas (UNLV). Required and preferred qualifications are listed below for each position.

To ensure full consideration, applicants must submit:

- 1) cover letter describing how their background, experience, and current activities match the position description;
- 2) statement of career interests and goals;
- 3) current curriculum vitae;
- 4) contact information for three professional references.

For full consideration, please apply by December 15, 2009. The closing date may be extended to facilitate a successful hire.

To apply, please visit the www.unrsearch.com website, create an account, and upload all required information. Applicants interested in both positions are required to submit a separate application for each job. For questions regarding the on-line application, please contact Ms. Shari Baughman, E-mail: sbaughman@unr.edu, phone: (775) 784-6995.

For inquiries on the Ecoclimatologist search or position description (www.unrsearch.com/applicants/Central?quickFind=54135), please contact Dr. Franco Biondi (fbiondi@unr.edu).

For inquiries on the Paleoclimate Modeler search or position description (www.unrsearch.com/applicants/Central?quickFind=54134), please contact Dr. Scott Bassett (sbassett@unr.edu).

To learn more about UNR, visit us at www.unr.edu.

EEO/AA. Women and underrepresented groups are encouraged to apply.

Ecoclimatologist Qualifications

REQUIRED:

Ph.D. in geography, ecology, environmental science, earth science, climatology, geoscience, computer science, applied statistics, or other relevant disciplines.

Experience in spatial modeling and/or analysis of climate-ecosystem interactions, especially for mid-latitude and/or semi-arid mountain environments.

Additional experience in one or more of the following areas: climate dynamics, ecological patterns and processes, acquisition and analysis of large data sets, wildfire history, natural archives of environmental change, landscape modeling, stochastic or numerical analysis.

Record of peer-reviewed journal articles and presentations at professional meetings.

PREFERRED:

Experience integrating proxy data of environmental change, instrumental observations, and model results.

Record of research program development or other demonstrated ability to obtain and complete research grants and contracts from governmental or private funding agencies.

Publication record of research involving observational and modeling studies relevant to ecoclimatology of mountain regions in temperate latitudes.

Experience in analysis of long-term ecological disturbance processes (such as wildfire, insect outbreaks, invasive species).

Programming skills in structured or object-oriented languages, high-level statistical software (SAS, R, Matlab) and/or for web applications/interfaces.

Experience in GIS or remote sensing.

Demonstrated ability to successfully teach undergraduate and graduate courses.

Paleoclimate Modeler Qualifications

REQUIRED:

Ph.D. in geography, environmental science, earth science, climatology, geoscience, computer science, applied statistics, or other relevant disciplines.

Experience in paleoclimate modeling, especially related to land surface processes in mid-latitude and/or semi-arid mountain environments.

Additional experience in one or more of the following areas: climate dynamics, hydrological modeling, ecological modeling, acquisition and analysis of large data sets, stochastic modeling, numerical modeling, modeling of surface and atmospheric processes.

Record of peer-reviewed journal articles and presentations at professional meetings.

PREFERRED:

Experience integrating paleoclimate data, instrumental climate observations, and model results.

Experience with specific paleoclimate models.

Record of research program development or other demonstrated ability to obtain and complete research grants and contracts from governmental or private funding agencies.

Publication record of research involving modeling studies relevant to paleoclimate dynamics, hydroclimatic processes, stochastic or numerical analysis.

Programming skills in structured or object-oriented languages, high-level statistical software (SAS, R, Matlab) and/or for web applications/interfaces.

Experience in GIS or remote sensing.

Experience working as part of an interdisciplinary team.

Demonstrated ability to successfully teach undergraduate and graduate courses.