

CLASSIFIED

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POSITIONS AVAILABLE

Atmospheric Sciences

Research Scientist III (Meteorologist) 13-110.

The Cooperative Institute for Research in the Atmosphere (CIRA) at Colorado State University seeks to fill a full-time Research Scientist III position to work with researchers from CIRA and the imbedded Center for Geosciences and Atmospheric Research (CG/AR) in the Fort Collins office performing multidisciplinary research of interest to both NOAA and the Department

of Defense (DoD). Specifically, CIRA seeks a research scientist who is interested in pursuing his/her own research agenda and coordinating existing research efforts to pursue new funding opportunities. Position will be funded for two years with existing grants related to both multi-sensor, multi-parameter satellite retrieval algorithms, as well as applications research related to new aerosol products available from models and satellites. The individual in this position will develop his/her research portfolio in that time period. Review of applications will begin on May 13, 2013 and may continue until the

position is filled. For complete position description and qualification requirements, visit [https://www.cira.colostate.edu/personnel/employment\\_opportunities/requisition.php?id=66](https://www.cira.colostate.edu/personnel/employment_opportunities/requisition.php?id=66). Apply electronically by sending a resume, cover letter, and the names of three references to the attention of Human Resources Manager at the following e-mail address: [cira\\_hr@mail.colostate.edu](mailto:cira_hr@mail.colostate.edu). Please put your last name and 13-110 in the subject line of the e-mail. Colorado State University conducts background checks on all final candidates. CSU is an EO/EA/AA employer.

Interdisciplinary/Other

Faculty Position in Geofluids at Rice University.

The Department of Earth Science at Rice University anticipates hiring a full-time, tenure-track

assistant professor in the broadly defined area of geofluids with relevance to the deep Earth, crust, hydrosphere, atmosphere or their interfaces. Successful candidates are expected to direct an active research program, supervise graduate research, and teach courses for undergraduate and graduate students. Details about the department and its facilities can be found at <http://earthscience.rice.edu>. Please send a CV, research and teaching statements, and names of five or more references to: Search Committee Chair, Department of Earth Science, MS-126, Rice University, PO Box 1892, Houston, TX 77251-1892. Rice is an equal opportunity affirmative action employer.

Classified cont. on page 180



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**OAK RIDGE NATIONAL LABORATORY**  
MANAGED BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY

### POSTDOCTORAL RESEARCH ASSOCIATE, GEOCHEMISTRY & INTERFACIAL SCIENCES

**Purpose**

Under general supervision, the Postdoctoral Research Associate will be involved in one of several projects whose subjects range from fundamental studies on the atomic-level structure and dynamics of aqueous ions, ion pairs and mineral-water interfaces, to exploring the growth and dissolution of sparingly-soluble salts and their ability to sequester toxic contaminants in the subsurface, to understanding the surface structure and adsorption properties of critical materials. This position resides in the Chemical Sciences Division, Geochemistry and Interfacial Sciences Group, in the Physical Sciences Directorate (PSD) at Oak Ridge National Laboratory (ORNL) and relates to research led by Dr. Andrew G. Stack.

The GIS Group functions as a team with strong emphasis on the integration of experiments with computational models to probe atomic- to meso- to pore-scale fluid and fluid-solid interfacial properties, including X-ray and neutron scattering, various spectroscopies and microscopies, and multiscale molecular modeling. ORNL researchers also have extensive access to the world's most intense reactor-based and spallation neutron sources and world-class high performance computing platforms. ORNL's High Temperature Materials Laboratory and Center for Nanophase Materials Science offer unprecedented access to advanced electron and scanning probe microscopies and nanomaterials synthesis and characterization facilities.

**Major Duties/Responsibilities**

- Responsible for presenting research results at international meetings and publish scientific results in peer-reviewed journals in a timely manner
- Ensure compliance with environment, safety, health and quality program requirements
- Maintain strong commitment to the implementation and perpetuation of values and ethics

**Qualifications Required**

The incumbents will possess a Ph.D. in Geochemistry, Chemistry or a closely related discipline, must have completed all degree requirements before starting their appointment, and be within five years of receiving their Doctorate. The position requires expertise in any of the following: flow-through atomic-force microscopy or other in situ surface characterization methods, X-ray and neutron scattering (particularly SANS, SAXS, NDIS, QENS), aqueous solution analytical techniques and high temperature-pressure work. Experience in atomistic computational modeling will be considered a plus, but priority will be given to those with emphasis on experimental work. Excellent interpersonal skills and oral and written communication skills are mandatory. The abilities to be a self-starter, to work independently and willing to participate creatively in a collaborative team effort are required. Proven ability to function well in a fast-paced research environment is required. The incumbents must be able to set priorities, multi-task and adapt to ever changing needs. The abilities to work on multiple tasks in a limited amount of time and to independently set priorities to accomplish multiple tasks to meet deadlines are required.


For more information on this position, please contact Dr. Andrew G. Stack via email at [stackag@ornl.gov](mailto:stackag@ornl.gov) or phone (865-574-8450).

These positions are for one year with the option to renew term annually for a maximum of three years.

To apply directly, please visit <http://1.usa.gov/12GiOdi>

Oak Ridge National Laboratory is an equal opportunity employer.

*Oak Ridge National Laboratory has spent the last decade investing billions in scientific infrastructure mapped to the most exciting and urgent science in the world. The unmatched caliber of the Lab's facilities gives our researchers and the user community the opportunity to conduct the most important science of their careers. Feel free to find out more about the Science and Life at Oak Ridge, meet our incredible staff, and while you're here—find the career you have been waiting for at [jobs.ornl.gov](http://jobs.ornl.gov). UT–Battelle is recognized by our employees and the community as an inclusive environment where diversity is valued and individuals and teams are inspired to contribute fully to the organization's success. ORNL is an equal opportunity employer.*




### FACULTY POSITION IN COASTAL HUMAN-ENVIRONMENT SYSTEMS Stanford University

Stanford University seeks an innovative scholar to fill a tenure-track faculty position in the area of human-environment interactions in coastal zones. The successful candidate is expected to be an active participant in both the Department of Environmental Earth System Science (<https://pangea.stanford.edu/departments/eess/>) and the Center for Oceans Solutions (COS) in the Stanford Woods Institute for the Environment (<http://www.centerforoceansolutions.org/>). EESS is an interdisciplinary department with a research focus on current and future environmental problems. COS is a collaboration among Stanford University, the Monterey Bay Aquarium, and the Monterey Bay Aquarium Research Institute that works to solve the major problems facing the ocean and prepares leaders to take on those challenges.

The appointment will be joint between the Department of Environmental Earth System Science and the Stanford Woods Institute. The level of the appointment is open, with a preference for candidates at the junior rank. We seek a motivated, broad-thinking scholar whose research bridges the natural science and human dimensions of the coastal environment, with a focus on understanding how human and biophysical processes interact to affect the structure and function of marine and coastal systems. The successful candidate is expected to establish a vigorous research program that employs strong analytical methods. The successful candidate is also expected to teach classes and mentor graduate students in the Department of Environmental Earth System Science, to teach in the interdisciplinary environmental programs offered at Stanford (such as Earth Systems and the Emmett Interdisciplinary Program in Environment and Resources), and to be a leader in the broader oceans and marine communities at Stanford, including through active leadership of campus-wide interdisciplinary oceans initiatives. The position will involve research and teaching at Stanford's main campus, with close ties to Hopkins Marine Station and to COS partners and collaborators. Given the mission of COS, we are particularly interested in candidates with a desire to engage the public about scientific issues regarding coastal systems.

**Applications containing a cover letter, curriculum vitae, and statements of research and teaching experience and interest should be included with your submission. Please apply at:** <https://academicjobsonline.org/ajob/jobs/2644>. The search committee will request letters of recommendation for a subset of applicants following review of these materials. Review of applications will begin on June 1, 2013, and continue until the position is filled. Questions related to your submission may be directed to [maslin@stanford.edu](mailto:maslin@stanford.edu).

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women and minority groups, as well as others who would bring additional dimensions to the university's research, teaching and clinical missions.



### Goddard Institute for Space Studies New York, New York

## Chief, Goddard Institute for Space Studies

The Earth Sciences Division at the NASA Goddard Space Flight Center (GSFC) seeks qualified candidates for the position of Chief of the Goddard Institute for Space Studies (GISS), located in New York City on the Campus of Columbia University. The position will be a career Senior Executive Service civil service position.

The GISS mission is to conduct Earth systems sciences and planetary atmospheres research in support of NASA-funded research programs. GISS works cooperatively with the major Earth Science Laboratories at the GSFC and with New York area universities and research organizations, especially with Columbia University on whose campus GISS is housed.

The Chief of GISS will supervise and direct the overall scientific program at GISS, including planning the program, working effectively with NASA Headquarters and GSFC programs to maintain the health and effectiveness of the program, and supervision and leading the highly effective GISS research team. The Chief will be expected to play a leading role in defining and initiating GISS and GSFC interdisciplinary earth climate research, and in developing and strengthening collaborative relationships with other climate researchers and organizations, nationally and internationally.

Candidates having extensive experience in earth system science, climate modeling, and the design and utilization of space based measurements of the earth are highly desirable. A Ph.D. degree, or the equivalent in training and experience in earth system science, climate modeling, or a closely related science discipline is required. U.S. citizenship is required. To view the full vacancy announcement which contains further information, including qualification requirements and application instructions, go to <http://www.usajobs.gov/GetJob/ViewDetails/340965000>. Applications must be received by May 29, 2013, via the USAJobs website. For additional questions, please contact Dr. Peter Hildebrand, Director of the Earth Sciences Division, NASA Goddard Space Flight Center, at [Peter.H.Hildebrand@nasa.gov](mailto:Peter.H.Hildebrand@nasa.gov).

NASA GSFC is an Equal Opportunity Employer.

Classified

cont. from page 179

All required application materials submitted by Aug 31, 2013 are ensured full consideration.

**Guelph University Post-Doctoral Scientists: Contaminant Hydrogeology Modeling, Fracture Mechanics, Hydrogeochemistry, Biogeochemistry, Subsurface Characterization Field Methods.** : G360 Centre for Applied Groundwater Research (<http://g360.uoguelph.ca>), part of the School of Engineering at the University of Guelph, is currently looking to hire a select few Post-Doctoral Scientists to participate in the field-focused groundwater research program. Principal Investigators: Dr. Beth Parker, Dr. John Cherry, (refer to website for collaborators and team). Please send a letter of interest, a CV and the names of 3 references with contact info (email addresses) to: Beth Parker ([bparker@uoguelph.ca](mailto:bparker@uoguelph.ca)). Only those candidates chosen will be contacted.

Lecturer.

The Department of Earth & Environmental Science at the University of Pennsylvania seeks applicants for a one-year full-time Lecturer position for the academic year 2013-2014, with a target start date of August 1, 2013. The position is ideal for an early-career Earth scientist interested in strengthening their teaching experience while maintaining an active research program. The candidate is expected to teach three courses over two semesters, which

may include introductory courses in either Natural/ Environmental/Geologic Hazards, Oceanography or Paleontology, a mid-level course in Case Studies in Environmental Science/Studies, and/or a senior undergraduate/graduate course in their area of expertise. The candidate will also be expected to advise students in senior research thesis projects. A PhD in Earth science, geology or a related field is required.

Apply online at: [facultysearches.provost.upenn.edu/applicants/Central?quickFind=51187](http://facultysearches.provost.upenn.edu/applicants/Central?quickFind=51187). Include a cover letter, CV, and the names and contact information of three referees who have agreed to provide letters of reference. The University will contact the referees with instructions on how to submit their letters. Applications will be accepted and reviewed until the position is filled.

The Earth & Environmental Science Department is committed to Penn's Action Plan for Faculty Diversity and Excellence and to establishing a diverse faculty (for more information see: [http://diversity.upenn.edu/diversity\\_at\\_penn](http://diversity.upenn.edu/diversity_at_penn))

The University of Pennsylvania is an Affirmative Action/Equal Opportunity employer.

**Nominations are invited for the Kenneth Clinton “Clint” Slatton Award sponsored by University of Houston and Optech Inc.**

To recognize creative and innovative research exploiting airborne LiDAR, multi-scale estimation,

data fusion, and statistical signal processing, for scientific, engineering, military, and management applications.

Closing date: Nominations must be received and validated by 1 June, 2013

Nominations are to be submitted by email to Laura Murphy at [lamurphy@uh.edu](mailto:lamurphy@uh.edu)

Additional information and instructions for submitting a nomination are located at [www.ncalm.org](http://www.ncalm.org)

**Nominations are invited for the Kurt L Frankel Award sponsored by University of Houston and Riegl USA Inc.**

To recognize creative and innovative research exploiting airborne LiDAR and other data, such as cosmogenic dating, for geological and geophysical research in tectonic geomorphology, or closely related specialties.

Closing date: Nominations must be received and validated by 1 June, 2013

Nominations are to be submitted by email to Laura Murphy at [lamurphy@uh.edu](mailto:lamurphy@uh.edu). Additional information and instructions for submitting a nomination are located at [www.ncalm.org](http://www.ncalm.org)

**The Wyoming Center for Environmental Hydrology and Geophysics (WyCEHG) invites applications for the WyCEHG Distinguished Sabbatical Visitor Fellowship.** WyCEHG ([uwyo.edu/wycehg](http://uwyo.edu/wycehg)) is an interdisciplinary, NSF-supported research center at the University of Wyoming that combines near-surface geophysics, surface and groundwater hydrology, ecology, modeling and surface processes. Fellowships will support scientists in these and related fields who

will spend a one- or two-semester stay at UW to work with WyCEHG scientists. Fellowships are available for stays beginning in 2013 or 2014 and carry a personal stipend of up to \$33 K for a two-semester sabbatical; additional resources may be available for WyCEHG-related research. To apply, send a CV and a 2-page statement outlining how proposed sabbatical-year activities integrate with WyCEHG goals to: Rick Matlock ([rixdogs@uwyo.edu](mailto:rixdogs@uwyo.edu)).

Student Opportunities

**PhD Fellowships in Remote Sensing are available immediately in Virginia Tech's new Interdisciplinary Graduate Program.** Remote Sensing is an interdisciplinary field which is evolving rapidly as more and more techniques are developed and implemented to address a wide range of scientific and societal problems. Virginia Tech's new remote sensing graduate curriculum spans multiple departments, including courses in electrical engineering, computer engineering, forestry, geography, history, economics, computer science, and statistics. Research opportunities exist within the Center for Space Science and Engineering Research (Space@VT) and the Center for Environmental Applications of Remote Sensing (CEARS). Interested applicants are encouraged to visit our website (<http://rsigep.frec.vt.edu/>) to learn more about specific research opportunities, the application process, and to communicate with prospective advisors. General questions can be directed to Dr. Joseph Baker ([jo.baker@vt.edu](mailto:jo.baker@vt.edu)) or Dr. Valerie Thomas ([thomasv@vt.edu](mailto:thomasv@vt.edu)).