Field Program Coordinator, Stanford

We have an opening in the School of Earth Sciences for a field program coordinator; a short description follows. The position is now posted on the Stanford Jobs website - please pass the word on to any potential candidates.

To see the complete listing and apply for the position:

1. Go to http://jobs.stanford.edu
2. Click on "Begin your job search"
3. Enter the job ID (40801) in the search field

Here's a summary of the position:
The School of Earth Sciences is seeking a Field Program Coordinator to support our expanding field program.

Don't hesitate to contact me if you have any questions.
anne
--
Anne E. Egger, Ph.D.
Undergraduate Program Coordinator
School of Earth Sciences
Stanford University
450 Serra Mall, Building 320, Room 112
Stanford, CA 94305-2115

650-724-0984
annegger@stanford.edu
Eight fellowship opportunities, forwarded from Brad Aagaard, USGS:

USGS Mendenhall Research Fellowships: Earthquake Hazards

2-year appointments with flexible start dates between October 2011 and March 2012

Application deadline: December 30, 2010

The following 8 fellowship opportunities related to earthquake hazards research are available within the USGS Mendenhall Research Fellowship program. The program anticipates offering 22 fellowships across a total of 49 opportunities.

Applicants are strongly urged to contact the research advisors associated with an opportunity for more information and guidance in developing a strong research proposal.

Opportunity 16: 3D Geology of the Coast Ranges-Great Valley Boundary Region and the Associated Seismic Hazard to the Sacramento-San Joaquin Delta, California

We are constructing a 3D geologic map of the Sacramento-San Joaquin Delta region. We are looking for a postdoc who will combine surface geologic mapping with additional techniques to contribute to that effort. The specific postdoctoral project is flexible, but some possibilities include: geologic mapping combined with potential-field geophysics to better constrain the distribution, orientation, and activity of valley-range
boundary structures; or Quaternary surficial deposits mapping combined with detailed geochemical dating to construct the overall 3D map, particularly with respect to integrating the findings of their own research.


Duty Station: Menlo Park, CA

Areas of PhD: Structural geology, tectonics, seismic stratigraphy, potential field geophysics

Research Advisors:
Russell W. Graymer, rgraymer@usgs.gov
Robert J. McLaughlin, rjmcl@usgs.gov
Robert C. Jachens, jachens@usgs.gov

Opportunity 17: Forearc Structure and Earthquake and Tsunami Hazards of the Southern Alaska-Eastern Aleutian Subduction Zone

Subduction zones pose some of the greatest earthquake and tsunami hazards to the United States. The structure of subduction zones largely controls the generation and launching of tsunamis and likely controls the width, magnitude, and segmentation of megathrust ruptures. The southern Alaska-eastern Aleutian subduction zone involves subduction of oceanic crust beneath thick continental and island-arc crust. However, it has along-strike variations in subduction obliquity and sediment thickness that make it well suited to understanding subduction processes. A reevaluation of existing marine geophysical data sets, combined with historical seismicity and ongoing paleoseismic studies, is needed to compare the southern Alaska-eastern Aleutians subduction zone with other subduction zones to fully understand both near- and far-field hazards. We seek a postdoctoral fellow to pursue fundamental and applied research into subduction zone structure, processes, and tsunami generation, with a focus on the southern Alaska-eastern Aleutian subduction zone. The study may focus on any research relevant to better defining potential hazards of subduction-zone systems.
Duty Station: Menlo Park, CA, or Seattle, WA, or Anchorage, AK

Areas of Ph.D.: Geophysics, geology, and oceanography

Research Advisors:
Peter Haeussler, pheuslr@usgs.gov
Thomas Pratt, tpratt@usgs.gov;
Holly Ryan, hryan@usgs.gov
Dave Scholl, dscholl@usgs.gov
Steve Kirby, skirby@usgs.gov

Opportunity 20: Joint US-Japan Program to Develop CoulombExpress: A Near-Realtime Online Earthquake Forecasting Tool for Emergency Responders and Scientists

The spatial distribution of Coulomb stress is generally found to be correlated with the distribution of aftershocks and with the triggering of subsequent main shocks. The static Coulomb stress can be rapidly and reliably calculated, and, if it is produced automatically and made publicly available, it can serve to identify sites or faults with an increased seismic risk following main shocks. Under this Research Opportunity, the Mendenhall Fellow would help to develop a robust automatic system to calculate Coulomb stress changes using real-time and near real-time seismic catalog information, such as magnitude, location, depth, and the two nodal planes. The simplest module would use earthquake location, depth, and magnitude only, the information most rapidly available. For cases in which focal mechanism information is available, we propose to calculate the Coulomb stress change on both nodal planes, making the assumption that the receiver (or surrounding) faults are the same as the source faults.
Opportunity 21: Research for Building New Holistic Earthquake Monitoring

We seek a postdoctoral fellow to engage in studies that will develop insights and strategies for the next generation of earthquake monitoring. The research conducted in this project would test the hypothesis that geodetic and seismic data are complementary and can be used simultaneously for more robust monitoring of the Cascadia subduction zone in the Pacific Northwest, where both state-of-the-art seismic and geodetic networks operate, the discovery of episodic tremor and slow slip has led to the recognition that significant fractions of stored up strain energy are released aseismically, and the consequences of a major earthquake necessitates research to improve our understanding of and ability to monitor and respond to such events. The Fellow will be encouraged to explore analog studies and to demonstrate the transferability of strategies and results from the Cascadia to other regions and monitoring circumstances.

Research Advisors:
Joan Gomberg, Gomberg@usgs.gov
Jessica Murray-Moraleda, jrmurray@usgs.gov
John Langbein, Langbein@usgs.gov
Tim Melbourne, tim@geology.cwu.edu
Paul Bodin, bodin@uw.edu
John Vidale, john_vidale@mac.com

Opportunity 22: Dynamic Rupture, Ground Motion and High-Speed Fault Strength

The focus of this opportunity is on new research in seismology, computational geophysics or rock mechanics that considers fault strength, the resulting particle motions and radiated field resulting from slip at speeds in the range of millimeters to meters per second. We invite proposals to determine mechanisms and implications of dynamic weakening at high slip speed for earthquake source properties and ground motion. The research scope is broad; including observations for constraints on dynamic fault strength, making direct measurements of fault strength at dynamic slip speeds, and developing constitutive relations of dynamic weakening for use in numerical models.


Duty Station: Menlo Park, CA

Areas of PhD: Geophysics, geology, seismology, physics, computer science, applied mathematics

Research Advisors:
Brad Aagaard, baagaard@usgs.gov
Nick Beeler, nbeeler@usgs.gov
William Ellsworth, ellsworth@usgs.gov
Ruth Harris, harris@usgs.gov
David Lockner, dlockner@usgs.gov
Opportunity 23: Mapping the San Andreas Fault System in the Third Dimension

Understanding the Earth in the third dimension is particularly important to earthquake hazards research, given that earthquakes originate in the subsurface. For example, faults in California are seismogenic in the general depth range 3 to 15 km, and basins, which enhance shaking, range in depth from less than 1 km to more than 10 km. A combination of active and passive seismic imaging of (1) acquisition, processing, and interpretation of data from the upcoming (Feb 2011) Salton Seismic Imaging Survey (SSIP) and seismicity data for structure, earthquake hazards, and magmatic systems in the Salton Trough; (2) processing and interpretation of active- and passive-source seismic data for structure and velocities (a) in the transition region from the southern Rodgers Creek to the northern Hayward Faults and (b) along the Peninsular San Andreas Fault; and (3) reprocessing of industry seismic data, modeling of seismicity data, and evaluation of tectonics of the central California Coast Ranges and Great Valley.


Duty Station: Menlo Park, CA

Areas of Ph.D.: Geology, seismology, geophysics

Research Advisors:
Rufus Catchings, catching@usgs.gov
Gary Fuis, fuis@usgs.gov
Michael Rymer, mrymer@usgs.gov
John Hole, hole@vt.edu
Rowena Lohman, rolohman@gmail.com
Jeff McGuire, jmcguire@whoi.edu
Joann Stock, jstock@gps.caltech.edu
Opportunity 24. Exploring the Earthquake Cycle in Southern California

The focus of this Opportunity is on research in seismology that will lead to a deeper understand fault behavior and the nature of the earthquake cycle through analysis of continuous and triggered waveforms recorded by the Southern California Seismic Network (SCSN) over the past 3 decades. Research proposals on non-volcanic tremor are invited to identify regions where tremor is occurring, to explore how tremor responds to tidal loading and distant earthquakes, to develop methods for detecting and quantifying tremor in near-real-time, and to develop models and theories of the underlying physical processes that generate tremor. Research proposals on earthquakes are invited to study the long-term evolution of seismicity along specific fault structures using waveform-based methods to better quantify the seismic behavior of faults, to provide evidence for or against repeating earthquakes on southern California faults, and to search for temporal changes in the crust related to earthquake activity. Proposals that explore the nature and physical processes associated with large earthquake sequences are also welcome.


Duty Station: Pasadena, CA or Menlo Park, CA

Areas of Ph.D.: Geophysics, geology, seismology, physics, computer science

Research Advisors:
Susan Hough, hough@usgs.gov
William Ellsworth, ellsworth@usgs.gov
David Shelly, dshelly@usgs.gov
Opportunity 25: Developing Earthquake Damage Detection Methods and An Early Warning System

We seek a postdoctoral fellow to engage in studies that will develop insights and strategies for the next generation of structural health monitoring. The currently available system identification methods that use data from structural arrays can determine if the structure has been damaged, but cannot indicate precisely the location of the damage, and are hence referred to as global. The research conducted in this project will focus on development of reliable methods and algorithms for structural system identification, local early warning and damage detection. Another facet of the research opportunity will be implementation of these methods into the USGS/NSMP integrated structural health monitoring system to assess the effect of shaking in the structure during an earthquake.


Duty Station: Menlo Park, CA

Areas of Ph.D.: Engineering, computer science

Research Advisors:
Erol Kalkan, ekalkan@usgs.gov
Joe Fletcher, jfletcher@usgs.gov

Received
11/16/2010

(1) Tenure-track, Sedimentology/Stratigraphy, University of Alabama
(2) Tenure-Track, Radiogenic Isotope Geologist, University of Alabama
(3) Visiting Professor of Hydrology, University of Alabama
(4) Postdoctoral Program in Geological Sciences, Brown University
(1) Tenure-Track Faculty Position, Sedimentology/Stratigraphy  
The University of Alabama Department of Geological Sciences

The Department of Geological Sciences at the University of Alabama invites applications for a tenure-track faculty position in Sedimentology/Stratigraphy. The successful candidate will join an active, dynamic group of researchers investigating a wide range of stratigraphic and paleoecologic problems. The University of Alabama is located in the Southeastern United States with a climate that is typically mild and sunny. Applications are encouraged from candidates who can address both research and teaching responsibilities. The available position is for a tenure-track faculty appointment at the rank of Assistant Professor. Applicants must have completed a Ph.D. degree in Geological Sciences. The effective date of appointment is Fall 2011. For more information about the position and requirements, please refer to the university’s website (http://www.geo.ua.edu). For inquiries regarding the position, contact Dr. Delores Robinson, Chair of Sed/Strat search Committee (dmr@geo.ua.edu) or Dr. Ibrahim Çemen (icemen@as.ua.edu), Chair of the UA Dept. of Geological Sciences. Applicants should go to http://www.facultyjobs.ua.edu to electronically apply. When submitting an application, candidates must provide a research statement, teaching statement, and a complete curriculum vitae. Applications will be reviewed beginning February 1, 2011 and will be accepted until the position is filled. The University of Alabama is an Equal Opportunity Affirmative Action Employer and Actively Seeks Diversity in its Employees.

(2) Tenure-Track Faculty Position, Radiogenic Isotope Geologist  
The University of Alabama Department of Geological Sciences

The Department of Geological Sciences of the University of Alabama invites applications for a tenure-track faculty position in Radiogenic Isotope Geology. The University of Alabama is located in the Southeastern United States, with a climate that is typically mild and sunny. The successful candidate will conduct research in a stable isotope laboratory that includes two CF-IRMSs. This position is available at the assistant professor level and will have additional opportunities to engage students in undergraduate teaching. Initially, the position will join an active, dynamic group of researchers investigating a wide range of isotope problems. The University of Alabama is located in Tuscaloosa, Alabama, with a climate that is typically mild and sunny. Applications are encouraged from candidates who can address both research and teaching responsibilities. The available position is for a tenure-track faculty appointment at the rank of Assistant Professor. Applicants must have completed a Ph.D. degree in Geological Sciences. The effective date of appointment is Fall 2011. For more information about the position and requirements, please refer to the department’s website (http://www.geo.ua.edu). Applications, filed electronically at http://www.facultyjobs.ua.edu, will be reviewed beginning January 14, 2011 and will be accepted until the position is filled. The University of Alabama is an Equal Opportunity Affirmative Action Employer and Actively Seeks Diversity in its Employees.

(3) Visiting Professor of Hydrology  
The University of Alabama Department of Geological Sciences

Hydrogeology - Three-year Non-tenure earning Visiting Assistant Professor Position Department of Geological Sciences at The University of Alabama  
The Department of Geological Sciences at the University of Alabama invites applications for a three-year, non-tenure earning Visiting Assistant Professor position in Hydrogeology. The University of Alabama is located in the Southeastern United States, with a climate that is typically mild and sunny. The successful candidate will conduct research in the field of Hydrogeology and will be expected to develop an active research program in the area of Hydrogeology and related fields. There is a strong emphasis on teaching and the candidate will be expected to actively engage students in undergraduate teaching. Initially, the position will join an active, dynamic group of researchers investigating a wide range of Hydrogeologic problems. The University of Alabama is located in Tuscaloosa, Alabama, with a climate that is typically mild and sunny. Applications are encouraged from candidates who can address both research and teaching responsibilities. The available position is for a non-tenure earning Visiting Assistant Professor appointment at the rank of Assistant Professor. Applicants must have completed a Ph.D. degree in Geological Sciences. The effective date of appointment is Fall 2011. For more information about the position and requirements, please refer to the department’s website (http://www.geo.ua.edu). Review of applications will begin on January 7, 2011, and will continue until the position is filled. The University of Alabama is an Equal Opportunity Affirmative Action Employer and Actively Seeks Diversity in its Employees.

(4) Postdoctoral Program in Geological Sciences, Brown University  
The Department of Geological Sciences at Brown University invites applications for its postdoctoral research program. The program is designed to provide opportunities for advanced research and professional development in various areas of geological science. Applicants are encouraged to submit applications by January 15, 2011. For more information, please visit the department’s website (http://brown.edu/Departments/Geology). These competitive, institutionally-supported postdoctoral positions are awarded for a one-year period, with possible renewal for a second year.
Applications should include a brief proposal for the research to be carried out at Brown (with identification of a Brown faculty mentor or a recent Ph.D. or should be 2011 degree candidates. Completion of the Ph.D. is required by the time of the appointment.

Brown University is an equal opportunity/affirmative action employer. We welcome applications from minorities and women scientists.

Received 11/16/2010

Closing date 3/1/2011

DISCCRS VI
Interdisciplinary Climate Change Research Symposium
http://disccrs.org/disccrsposter.pdf
22-29 October, 2011
La Foret Conference and Retreat Center
Colorado Springs, CO

Application Deadline: March 1, 2011
Participation limited to 30 early-career Ph.D. scholars
Airfare and on-site expenses are supported through grants from NSF and NASA
http://disccrs.org

As our understanding of climate change and its far-reaching ramifications continues to grow, it is increasingly evident that a multi-disciplinary approach is necessary to grapple with the challenges posed by climate change. The DISCCRS initiative for the advancement of Climate Change Research (DISCCRS, pronounced DIScourage) hosts a symposium for early-career climate change researchers. Our goal is to catalyze the dissemination of innovative research and foster meaningful interactions between emerging and established researchers.

During the week-long symposium, the 30 invited DISCCRS Scholars will have the opportunity to present their research, network with each other and with established researchers invited to serve as mentors. The symposium will feature invited plenary speakers, interactive workshops, and poster sessions. Participants will engage in a series of intensive, multidisciplinary discussions aimed at addressing the complex challenges posed by climate change.

http://disccrs.org
Eligibility: Ph.D. requirements completed between April 1, 2008 and February 28, 2011. Applications will be reviewed by an interdisciplinary committee of research scientists. The selection committee will favor applicants who plan to engage in interdisciplinary research careers in any subject relevant to the study of climate change, its impacts or its solutions. We encourage applicants from the natural and social sciences, mathematics, engineering, and other fields, so long as their research focus relates to climate change, its impacts or its solutions.

Symposium application instructions: [http://disccrs.org/application_instructions](http://disccrs.org/application_instructions)

ELECTRONIC RESOURCES

In addition to our annual symposia, DISCCRS provides online tools for catalyzing interdisciplinary discussion and collaboration:

http://disccrs.org/disccrsposter.pdf

Please display and distribute the poster as widely as possible!

Online Ph.D. Dissertation Registry: [http://disccrs.org/register](http://disccrs.org/register)

Electrical newsletter: With timely climate change research job listings, news stories, funding opportunities and more, our weekly e-newsletter is automatically provided to anyone who registers their Ph.D. Subscriptions are available by request.

Career Resources: In addition to the registry, our website includes a wealth of valuable resources for finding a job, developing your professional skills, locating funding opportunities, crafting grant proposals and more. [http://disccrs.org](http://disccrs.org)

DISCCRS Sponsors:

AAG, AERE, AGU, AM, ASLO, ESA, ESS-ISA, STEP-APSA, TOS, USSEE

DISCCRS Funding:

U.S. National Science Foundation

Collaborative Grant Numbers: SES-0931402 to the University of Oregon and SES-0932916 to Whitman College

National Aeronautics and Space Administration

Grant number NNX10AJ53G to Whitman College

Contact: [info@disccrs.org](mailto:info@disccrs.org)

Organizers: Ronald B. Mitchell and C. Susan Weiler
Received
11/8/2010

Mudloggers, Morco Geological Services, Carlsbad

Greetings,
My name is Corky Stewart and I am the president of Morco Geological Services based in Carlsbad New Mexico. We are a family owned and operated mudlogging company that has enjoyed an excellent reputation in this area since 1974. We are currently trying to expand our operations both in New Mexico and West Texas.

I am looking for recent geology graduates interested in entry level positions as mudloggers in the Permian Basin of Southeast New Mexico and West Texas. I realize it is not a glamorous position but it is an excellent entry path into the oil and gas industry.

If there are any recent graduates, or even any people who have at least 2 years of geology but were unable to finish their degrees, who would be interested please have them contact me. I can be reached by
email (corkybstewart@gmail.com), in the office at 1-800-748-2340 or by cell phone, 575-361-1270.

Thank you very much,

Corky Stewart, President
Morco Geological Services
3603 National Parks Highway
Carlsbad, NM 88220

---

Received
11/4/2010

National Energy Technology Laboratory (NETL)

2010/2011 Opportunities:

- Student Internship
- Postgraduate Research
- Faculty Research Participation

For more information contact Truly Ani at truly.ani@orau.org.
Please visit www.orau.gov/netl

---

Received
11/3/2010
Closing date
1/31/2011

DOE Scholars Program for Summer 2011

Department of Energy (DOE) Scholars Program is now accepting applications for Summer 2011. Visit http://orise.orau.gov/doescholars for more information or to apply - deadline is January 31, 2011!

Are your students interested in participating in the most recent scientific research and development? Would they like to enhance their knowledge of energy security, nuclear security, scientific discovery and innovation, environmental responsibility and management excellence?

The Department of Energy Scholars Program offers summer internships with stipends of up to $650 per week depending on discipline. Internships are available in a variety of areas including: biology; chemistry; computer science; education; engineering; environmental science; frontier technologies; mathematics; physics; policy; public and international affairs; security; science communication; social sciences; and technology. The program also offers mentoring and networking opportunities, as well as a wide range of training and development experiences.

Requirements include: U.S. Citizenship; 18 years of age or older; and a cumulative GPA of 2.90/4.00. Internships provide participants with the opportunity to conduct hands-on research while showcasing their education, talent and skills. Interns will also have a unique opportunity to explore the options for federal careers with DOE.

Received
11/3/2010

Early acceptance date
1/21/2011
Closing date
2/11/2011

2011 Student Airborne Research Program, NASA

Dear Higher Education Professional,

I wanted to make you and your students aware of a wonderful student research opportunity this coming summer. NASA is looking for college students to participate in the 2011 Student Airborne Research Program (SARP), which offers the opportunity to work with NASA scientists in one of ten science disciplines.

I am attaching the SARP 2011 flier which can also be accessed at http://www.nserc.und.edu/learning/SARP2011.html along with the application materials. If you would be so kind to post this in your department and make students aware of this opportunity I would be very grateful. Please direct any additional questions on the program to SARP2011@nserc.und.edu.

Sincerely,
Rick Shetter

Received
11/1/2010

Science Education Programs, Oak Ridge National Laboratory

Are you or do you know a student that is looking for a paid science education internship? On the site listed below, you will find information about science and technology internships.

Please browse through the Research Profiles on the different participants and their research experiences.

If you are a Facebook user, “like” the fan page of “Internships for Undergraduates and Graduate Students at ORNL” to see such as deadlines on the various programs, and start discussions with current applicants or past participants.

If you are a Post-graduate (master’s or doctoral) “like” the fan page of “Science Education Programs at Oak Ridge National Laboratory” fan page to see news and releases of what is happening at ORNL.
Cheryl Terry  
Program Manager  
Educational Student Programs  
ORNL, Bldg. 5100, MS 6173  
Oak Ridge, TN 37831-6173  
Phone: (865) 576-3427  
Fax: (865) 241-8966  
Email: cheryl.terry@orau.org

---

*Received*  
10/26/2010

**Geologists, Shaw Environmental & Infrastructure Group**

[job announcement] - looking for a recent geology grad

[other career opportunities]

---

*Received*  
10/25/2010

**Geophysics/Geology position - Transform Software and Services, Littleton, CO**

Looking for someone with ten years+ experience

[Job Announcement]

Job Position ID 2274 - [apply]
Received 10/19/2010

Application Developer, Transform Software and Services, Inc., Littleton, CO

Job Announcement

Job Postion ID 2273 - apply

Received 10/19/2010

Microseismic Event Location Specialist, Transform Software and Services, Inc., Littleton, CO

Job Announcement

Job Postion ID 2272 - apply

Received 10/9/2010

Geosyntec Fall Recruiting

The good news is that despite the negative news you may be hearing, the long-term forecast in the environmental sector is positive. Would you please help us by distributing the attached flyer to those students you think may be a good fit within our organization?
We ask that students submit their qualifications through our web portal (www.geosyntec.com/employment), although if you know a Geosyntec professional, please don’t hesitate to refer students directly to that individual. If your students have questions, please let them know they can contact me directly.

Thank you so much for your continued help with getting the word out about Geosyntec’s career opportunities.

Lori Hawkeswood
Recruitment Consultant

**General Listing**

**Devon** - recommended by Ron Broadhead

**American Institute of Physics Career Network** :

**Earthworks** :

Earthworks is a world leading portal of job and career opportunities for geoscientists, geographers, geotechnical... astronomers and Remote Sensing/GIS specialists, with particular focus on the North America, Europe and the Pacific Rim.

To add student opportunities outside of New Mexico Tech, please contact the