**WEEKS LECTURE – FALL 2014**

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<td>5-Sep-14</td>
<td>Harold Tobin</td>
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<td>12-Sep-14</td>
<td>Brad Singer</td>
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<td>19-Sep-14</td>
<td>Noriko Kita</td>
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<td>26-Sep-14</td>
<td>Patricia Gregg</td>
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<td>Patrick Fulton</td>
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<td>17-Oct-14</td>
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<td>Tomochika Tokunaga</td>
<td>University of Tokyo</td>
<td>Wang/Hart</td>
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<td>5-Dec-14</td>
<td>Larry Band</td>
<td>UNC-Chapel Hill (GSA Birdsell-Dreiss Distinguished Lecturer)</td>
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<td>12-Dec-14</td>
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**JOB OPENINGS:**

- R.T. Liddicoat postdoctoral fellowship program in Gemology at GIA
- The Arizona Geological Survey seeks to hire an individual on contract as Program Office Manager to support the EarthCube Demonstration governing organization
- The Department of Geology and Environmental Geosciences at Northern Illinois University has an opening for a full time (salary TBD) Laboratory Analyst with a focus in stable isotope mass spectrometry.
Assistant Professor, Geological Engineering-Missouri University of Science and Technology
The Department of Earth and Planetary Sciences at Johns Hopkins University invites applications for the first of several anticipated tenure-track faculty positions in geology
The Faculty of Chemistry, Pharmacy, and Geoscience at the Johannes Gutenberg University of Mainz (JGU) invites applications for a permanent appointment at the level of University Professor (m/f) for Petrology
Tenure Track Faculty Position PETROLOGY - Miami University
Research Position in EEW at Caltech Seismo Lab
Post-doctoral fellowship at Queen's University
Postdoctoral Scholar Position in Real-time Seismology at Caltech
Lamont-Doherty Earth Observatory invites applications for a Postdoctoral Research Scientist position in Structural Geology

JOB OPENINGS:

R.T. Liddicoat postdoctoral Fellowship Program in Gemology at GIA
The Gemological Institute of America (GIA) invites applications for R.T. Liddicoat Postdoctoral Fellowship Program at its New York, NY, and Carlsbad, CA locations. Our Postdoctoral Associates conduct research on fundamental scientific related to gemology, involving diamonds, colored stones, and pearls, as well as instrument development. The specific focus of the research will tailored to the applicant’s interests, expertise, and the needs of GIA research laboratories.
GIA, an independent nonprofit organization established in 1931, is recognized as the world’s foremost authority in gemology. GIA invented the famous 4Cs of Color, Cut, Clarity and Carat weight in the early 1950s and in 1953, created the International Diamond Grading System™ which, today, is recognized by virtually every professional jeweler in the world. Through research, education, gemological laboratory services, and instrument development, GIA is dedicated to ensuring the public trust in the gem and jewelry industry by upholding the highest standards of integrity, academics, science, and professionalism.
Applicants should hold a Ph.D. in a relevant scientific field, preferably obtained within the last three years. Abilities to effectively communicate in English with scientific and production staff, prepare written scientific articles for publication, and a willingness to travel domestically or internationally are strongly desired. GIA will fully fund one year of full-time appointment, including benefits. A second year appointment is contingent on a demonstration of adequate progress. Starting date is flexible, upon mutual agreement.
GIA Laboratory is fully equipped with all types of spectrometers (FTIR, Raman, Fluorescence, phosphorescence, UV-Vis-NIR), X-ray diffraction, EPR, chemical analysis (XRF, LA-ICP-MS), X-ray and fluorescence imaging systems, and has access to other research facilities. GIA will offer a competitive contract including salary, benefits subsidy, and travel stipend if appropriate. In addition, GIA provides a dynamic and collaborative working environment, and is committed to workplace diversity. Applicants should apply online at: https://careers-gia.icims.com Please be prepared to submit: 1) cover letter and resume/CV; 2) A proposal for scientific work to be completed over a one to two year period at the New York or California GIA laboratory locations.
GEOBULLETIN
AUGUST 15TH 2014

For more information about GIA and this opening please visit our website at: http://www.gia.edu
Please contact with Wuyi Wang (wwang@gia.edu<mailto:wwang@gia.edu>) for questions or inquires.

GIA is an Equal Opportunity Employer.

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Electron Microprobe Operator (TEES ASSOCIATE RESEARCH SCIENTIST): this individual will be a staff scientist in the Materials Characterization Facility, which is a campus wide user facility at Texas A&M University that supports the research activities of the more than 87 PIs and hundreds of students, with a focus on surface and interfacial spectroscopies and optical, electron, ion and scanning probe microscopies.

The successful candidate will operate and/or supervise the operation of a new electron microprobe (Cameca SX-5 with 5 spectrometers and EDS), including scheduling and billing for services, performing routine maintenance, and making sure that supplies are ordered. Additional responsibilities include: (1) Instructing users in the operation and theory of the microprobe both on an individual basis, as required, and by teaching an annual workshop or course (Electron Microprobe Analysis); (2) Aid in the interpretation of the results when requested; (3) Conducting research using the electron microprobe, usually in conjunction with faculty members at TAMU, but potentially with other institutions and industry, and co-author the results; (4) Instruct microprobe researchers in the use of computer software on other platforms in order to facilitate and/or extend the interpretation of quantitative, qualitative, and digital imaging data sets acquired on the electron microprobe, and (5) Develop improved procedures for the acquisition and the processing of data from the microprobe, including: where feasible, modifying instrument software in minor ways to improve its performance for specialized tasks; remaining informed of new programs useful in the processing of microprobe data, and making microprobe users aware of these programs as pertinent to their research. An individual with this title WILL be eligible to serve as a Principal Investigator (PI).

Candidates should have a PhD in Materials Science, Engineering, Geology, Geophysics, or a related area with significant expertise (minimum 3 years) in the operation of an electron microprobe and the interpretation of electron microprobe data.

Candidates may apply on-line at: www.tamuengineeringjobs.com/applicants/Central?quickFind=55218
Alternatively, you may submit a curriculum vitae, with a list of potential references along with a concise description of research activities you have participated in involving electron microprobe to be sent to:

James. D. Batteas, Director
Materials Characterization Facility
Department of Materials Science and Engineering
503 Mechanical Engineering Office Building, Spence Street
Texas A&M University
College Station, TX 77843-3003

Applications should be received by September 15, 2014 to ensure full review, but will continue to be considered until the position is filled. The initial appointment can begin November 1, 2014.

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The Arizona Geological Survey seeks to hire an individual on contract as Program Office Manager to support the EarthCube Demonstration governing organization, beginning October 1, 2014. During the project year (October 2014-September 2015), the Program Office Manager will support the community-elected governance structure in carrying out EarthCube goals and in testing the effectiveness of said structure. The intended outcomes of this year are recommendations to the National Science Foundation regarding possible modifications to and longer term implementation of EarthCube governance. 

The selected individual will:

- Support the implementation of the Vision and Mission and related priorities of EarthCube as directed by and in collaboration with the EarthCube Leadership Council;
- Foster collaborative relationships with representatives of other national and international geoscience and Cyberinfrastructure institutions and projects, and actively pursue collaborations that enhance the activities of EarthCube; and
- Supervise the EarthCube Demonstration Governance support staff provided by the Project Office
- Coordinate with the EarthCube Test Enterprise Governance Project Office for budget, logistics, and staffing
- Articulate the vision and mission of EarthCube to staff and members and lead through teamwork and collaborative efforts.

Job Description:

The Program Office Manager will, with the assistance of Project Office staffers, support the Leadership Council, Standing Committees, Teams, Working Groups, Interest Groups, and EarthCube Community (collectively referred to as the EarthCube Governance Structure) in fulfilling their Demonstration Governance priorities by providing budgetary, logistical, and staffing support. The Program Office Manager will also support the EarthCube Demonstration Governance in implementing the scientific, technical and strategic mission as directed by the EarthCube Leadership Council.

The Program Office Manager fosters the interaction and collaboration between the governance structures in order to provide feedback, and a broad view of these structures on matters such as scientific goals, initiatives and standards, and priorities and policies to the Leadership Council. Further, the Program Office Manager interacts with individuals and institutions throughout the academic research community and potential liaison organizations/initiatives as an advocate for the EarthCube program.

Duties:

- Ensure that the Demonstration Governance is effective, inclusive, and transparent in its processes
- Support the Leadership Council in the implementation of the Vision & Scope of EarthCube
- Support the Governance Structures, with assistance from Project Coordinators
- Other duties as directed by the Leadership Council

Education and Experience Requirements:
Degree in a field relevant to EarthCube’s mission and at least 5 years of experience in the management of scientific programs
- Experience in supporting large and complex scientific programs and projects
- Commitment to strong interpersonal communication among and between staff, members, and volunteers
- Commitment to geoscience research, meetings at the forefront of geoscience and technology, and community outreach and education
- Familiarity with Cyberinfrastructure and the geoscience communities
- Demonstrated ability to work effectively and manage in a largely virtual environment

Knowledge, Skills, and Abilities:

- Skill in advocacy of science so as to effectively promote goals and strategies for the advancement of EarthCube
- Knowledge of current cyberinfrastructure and its applications
- Proven ability to work in dynamic and fluid environments
- Knowledge of data management and distribution
- Proven communications techniques
- Demonstrated experience and knowledge of project management
- Ability to travel nationally

Position Type: Term contract at the Arizona Geological Survey, Starting ~October 1, 2014 to September 30, 2015 with possible extension up to an additional year.

Job Location: Virtual – US: Due to the term position, remote candidates will be considered with a commitment to be in Tucson, AZ on a recurring basis.

Applications may be sent in the form of a resume and cover letter to resumes@azgs.az.gov, please include “EarthCube” in your subject line. First review of applicants will take place August 18, 2014 and continue until the position is filled. Contract rate is negotiable and commensurate with experience, subject to project funding.

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The Department of Geology and Environmental Geosciences at Northern Illinois University has an opening for a full time (salary TBD) Laboratory Analyst with a focus in stable isotope mass spectrometry.

Daily duties will include preparation and analysis of samples, data collection and interpretation, supervision and training of new users, and maintenance and repair of the isotope ratio mass spectrometers and peripheral devices. The ideal applicant will maintain an active level of research through independent funding and/or involvement with faculty and student projects in the department.

Isotope Facilities include:
Thermo Scientific MAT 253 and DELTAplus Advantage mass spectrometers
Thermo Scientific Gas Bench and TC/EA
Costech EA
Laser fluorination line for O and Si isotopes of silicate minerals
Thermo Scientific Element 2 ICP-MS and Excimer Laser Ablation System

Please see the department webpage for additional information on resources and facilities: www.niu.edu/geology/facilities/analytical.shtml

Preferred Qualifications:
Research experience in stable isotope geochemistry
PhD in geology or a related field

Please contact Dr. Justin Dodd (jdodd@niu.edu) for additional information about the position.

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Assistant Professor, Geological Engineering-Missouri University of Science and Technology

The Department of Geological Sciences and Engineering at Missouri University of Science and Technology (formerly University of Missouri-Rolla) invites applications for a tenure-track faculty position in Geological Engineering to begin January 2015. This position is for an Assistant Professor although qualified applicants may be considered for an Associate Professor. Outstanding candidates with expertise in subsurface hydrology, environmental remediation and/or international engineering activities are encouraged to apply. Minimum qualifications include a Ph.D. in Geological Engineering or a related discipline. Candidates should have a demonstrated history of teaching ability or demonstrated potential to develop an effective teaching program, as well as a documented history of funded research or demonstrated potential for establishing a successful funded research program. Individuals who are licensed Professional Engineers or who have the credentials to become licensed are encouraged to apply.

The Department of Geological Sciences and Engineering has several established programs of research and education including the three focus areas described above and others. We have a well-established record of international teaching and research activities. Relevant resources include subsurface hydrogeology laboratory facilities, state-of-the-art subsurface imaging equipment, large-experiment lab space, and an experimental mine. The applicant should provide a complete curriculum vita, statements of both research and teaching interests, and the names and contact information of three referees. Complete details regarding the position and application process are available at jobs.mst.edu. All submitted application materials must have position reference number 00060203 in order to be processed. Acceptable electronic formats that can be used for attachments include PDF and Word; hardcopy application materials will not be accepted. Review of applications will begin on September 1, 2014 and continue until the search is completed. Missouri S&T is an AA/EEO employer and does not discriminate based on race, color, religion, sex, sexual orientation, national origin, age, disability, or status as Vietnam-era veteran. Females, minorities, and persons with disabilities are encouraged to apply. Missouri S&T is responsive to the needs of dual-career couples.

Questions regarding this position should be directed to the chair of the search committee, Dr. Norbert Maerz, Norbert@mst.edu.

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The Department of Earth and Planetary Sciences at Johns Hopkins University invites applications for the first of several anticipated tenure-track faculty positions in geology. The position will be filled at the Assistant Professor level, starting as early as Fall, 2015. The successful candidate will be expected to develop an internationally recognized and externally funded research program, to help develop and participate in undergraduate and graduate teaching, and to supervise graduate student research. A Ph.D. is required in the Earth Sciences or a related discipline; post-doctoral experience is desirable. Possible areas of geologic research include, but are not limited to, quantitative geomorphology, volcanology, tectonics and dynamics, petrology and mineralogy, critical-zone science, and studies of the early Earth that complement the research interests of recent hires in planetary science, paleoecology, light stable isotope geochemistry, and landscape hydrology. We are particularly interested in approaches combining geologic field methods with complementary laboratory, theoretical or remote sensing approaches.
Opportunities exist for the successful candidate to forge research ties with other parts of the Johns Hopkins community that are active in the Earth and Planetary Sciences, including the Departments of Geography and Environmental Engineering, Civil Engineering, Materials Science and Engineering, and the Applied Physics Laboratory. There are excellent opportunities for additional collaborations within the Baltimore-Washington region, including with the Carnegie Institution, the Smithsonian Institution, the U.S. Geological Survey, the University of Maryland, and NASA Goddard Space Flight Center.

Applications must be submitted electronically using Interfolio (https://apply.interfolio.com/25307) and must include a cover letter, a curriculum vitae, statements of research and teaching interests, and the names and complete contact information of at least three references. Questions concerning submission of application materials should be directed to Kristen Gaines (kgaines@jhu.edu). Other requests for information may be directed to Professor Dimitri Sverjensky, Search Committee Chair (sver@jhu.edu). Review of the applications will begin October 15th, 2014 and will continue until the position is filled.

Johns Hopkins University is an equal opportunity/affirmative action employer, and actively encourages interest from minorities and women.

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The Faculty of Chemistry, Pharmacy, and Geoscience at the Johannes Gutenberg University of Mainz (JGU) invites applications for a permanent appointment at the level of University Professor (m/f) for Petrology (Salary class W2; LBesG) starting in 2015 with expertise in igneous processes and magmatic systems. Candidates with outstanding research records in igneous petrology are encouraged to apply. We seek an individual with a willingness to collaborate across interdisciplinary boundaries, and interact with faculty and students in particular with research groups in, geodynamics, metamorphic geology, (micro)-tectonics, and volcanology. The ideal candidate will have a strong research record in magma generation and transport processes.

The Institute is equipped with modern analytical and experimental facilities, and additional support for the position is provided by the state funded Research Unit in Volcanoes-Atmospheres and Magmatic Open Systems (VAMOS). The successful candidate is invited to play a key role in the VAMOS Research Unit, which addresses the varied impacts of magmatic systems and volcanism on the solid-Earth-atmosphere system via cross-disciplinary research between Earth and Atmospheric scientists with the overall goal to understand and quantify the chemical and energetic exchange between the deep Earth and atmosphere. The candidate is expected to have an excellent record of high quality innovative published research, successful research funding and high quality teaching and research supervision.

In the area of teaching, the fields of igneous petrology, igneous geochemistry, and geological fieldwork at BSc and MSc level are to be covered. The ability to speak German or the willingness to learn in reasonable amount of time is a requirement. The state of Rhineland-Palatinate and the Johannes Gutenberg University Mainz support a concept of intensive tutoring and therefore expect that lecturers are frequently present at the university. The Johannes Gutenberg University Mainz is committed to increasing the proportion of women in the scientific field and therefore encourages women to apply. Disabled persons with equivalent qualifications will be considered preferentially.

Please send your written application, including CV, degree certificates, overview of teaching experience, publication list and a statement outlining your planned research and teaching directions as well as copies of up to five key publications. Applications can be made in electronic form and uploaded as a single PDF file at www.fb09.uni-mainz.de/stellen.php or in paper form mailed to the address indicated below by September 15, 2014. The application should be addressed to Dean of Faculty 09 – Chemistry, Pharmacy and Geosciences

Johannes Gutenberg University Mainz
Duesbergweg 10-14
55128 Mainz
(dekan09@uni-mainz.de)

For further information about the Institute of Geosciences (www.geowiss.uni-mainz.de) and available analytical and experimental facilities please contact Prof. Richard White at rwhite@uni-mainz.de.

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Postdoctoral fellowship in nonlinear site response analysis of the 2010-2011 Canterbury earthquakes

We seek a highly motivated postdoctoral fellow to join our on-going research related to ground motion and site response aspects of the 2010-2011 Canterbury earthquakes. Current research activities involve utilizing broadband ground motion simulation and nonlinear seismic effective stress analyses to develop a unified understanding of the seismic response of sedimentary basins with liquefiable soils, and in particular, their role in producing the ground motions observed in the 2010-2011 Canterbury earthquakes. The fellow will be involved in various aspects of performing nonlinear (total and effective stress) simulations, as well as further developing the underlying near-surface nonlinear soil models.

The fellowship is externally-funded for 2 years. The successful applicant will have completed a PhD in Earthquake/Civil Engineering, Geophysics, or a closely related subject. Applicants nearing completion of their PhD in the stated subject area will also be considered. The successful appointee will have excellent communication skills and written English, and have a strong research background in their chosen area.

Further details of this vacancy can be found as job number 2322 at: http://www.canterbury.ac.nz/joinus/

The closing date for this vacancy is: 15 September 2014

Prospective applicants are welcome to email Brendon Bradley (brendon.bradley@canterbury.ac.nz) to further discussion the opportunities associated with this position.

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Tenure Track Faculty Position PETROLOGY - Miami University

The Department of Geology and Environmental Earth Science at Miami University invites applications for a tenure-track faculty position at the Assistant Professor level, beginning August 2015. Applicants must have a Ph.D. degree at the time of appointment. The successful applicant will be expected to teach effectively at the undergraduate and graduate levels, supervise student research at the undergraduate, M.S. and Ph.D. levels, initiate and maintain a vigorous, externally-funded research program, and provide service to the university.

We seek a candidate who is undertaking significant field and/or laboratory-based research in igneous and/or metamorphic petrology. The particular research emphasis, for example igneous/metamorphic processes, crust-mantle evolution, experimental petrology, or ore-forming processes, should complement current program strengths indicated below. The successful applicant will join an active department that consists of 13 faculty members, 3 research/technical staff members, 125 undergraduate and 35 graduate students. The department maintains active research programs in geomicrobiology, geomorphology, geophysics, hydrogeology, igneous petrology, isotope geochemistry, low-temperature geochemistry, mineralogy, paleoclimateology, sedimentology and stratigraphy, structural geology, tectonics, volcanology, and Quaternary geology. The department also maintains modern teaching, research, and instrumentation laboratories, and portable instrumentation in support of the above. Please visit www.miamioh.edu/geology for additional information.

Miami University’s Oxford Campus, with nearly 15,000 undergraduate and over 1,800 graduate students, is located in a small-town setting adjacent to the Cincinnati and Dayton urban areas. More information on Miami and on the department may be obtained via http://www.miamioh.edu and http://www.miamioh.edu/geology.

Interested candidates should submit a packet containing a letter of application; curriculum vitae; statement of teaching philosophy, objectives and accomplishments; and transcripts to www.Miamiohjobs.com/applicants/Central?quickFind=53705 and arrange three letters of reference to be sent to PetrologySearch@MiamiOH.edu. Review of applications will begin September 15, 2014 and continue until the position is filled. Appointment effective August 17, 2015.
Miami University is an EOE/AA employer with smoke- and tobacco-free campuses. Miami’s Annual Security and Fire Safety Report with information on campus crime, fires, and safety may be found at: http://www.MiamiOH.edu/righttoknow. Hard copy available upon request.

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Research Position in EEW at Caltech Seismo Lab

The Caltech Seismo Lab seeks a research scientist to carry out earthquake early warning (EEW) algorithm research, and participate in continued development of the demonstration EEW earthquake monitoring system. We seek applicants who like to work in a team and to apply their seismological research and computer programming skills to develop and implement new technologies for innovative real-time earthquake data processing. This is a temporary full-time position that is eligible for full staff benefits.

You will carry out independent research to develop and improve seismic EEW algorithms, using regional seismic waveforms and parametric data and participate in deployment of both single station and finite source EEW algorithms and evaluate EEW performance to optimize system performance and improve algorithms. Additionally you will participate in writing reports, proposals, and publications and give oral reports as needed to meet project goals. The successful candidate will have MS degree or PhD and 5 or more years of related work experience. You must have experience in analyzing seismic waveforms, computer skills such as experience in high-level programming (C, C++, or Java), and be fluent in LINUX, command-line scripting and have some experience with web-applications. Requires ability to develop and implement EEW algorithms using tools such as Matlab.

To apply to this outstanding opportunity please apply on line at: https://jobs.caltech.edu/postings/2061
EOE of Minorities/Females/Protected Vets/Disability

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Post-doctoral fellowship at Queen's University

The Department of Geological Sciences and Geological Engineering of Queen’s University, one of Canada’s premier earth-science departments, invites applications for its William E. White Postdoctoral Scholarship, created from a fund endowed by the estate of William E. White. The award will be made for one year and may be renewed for a second year. The annual stipend will be no less than $60,000. The William E. White Postdoctoral Scholarship will be awarded to an outstanding scientist who has completed a Ph.D. degree, normally within the two-year period preceding the time of the appointment. The area of research is open, but the scholar’s research must be complementary to that being pursued in the Department of Geological Sciences and Geological Engineering. The research program to be undertaken and the level of support of research costs and moving expenses will be negotiated with a faculty member at the time the award is made. Potential applicants may obtain an outline of current research interests on the Departmental website http://www.queensu.ca/geol/home and are required to initiate contact with a potential faculty supervisor in advance of applying. Fit with the research interests of the Department and the research excellence of the candidate will be the primary considerations in the selection process. The Department invites applications from all qualified individuals. Queen's University is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity.

Applicants should send curriculum vitae, a statement of research interests, and samples of research writing to the following address. Applicants should contact their referees and arrange for at least three confidential letters of reference to be sent to the address below. Review of complete applications will begin on September 1, 2014
Professor D. Jean Hutchinson
Department Head
Department of Geological Sciences and Geological Engineering
Queen’s University
Kingston, Ontario, Canada
**Postdoctoral Scholar Position in Real-time Seismology at Caltech**

The Division of Geological and Planetary Sciences at the California Institute of Technology invites applications for a postdoctoral position in the Seismological Laboratory. Applicants with an interest in earthquake early warning (EEW) and other aspects of real-time seismology are encouraged to apply. The research goal in earthquake early warning is to analyze the first few seconds of waveforms to provide timely and robust information about a potentially damaging earthquake that is in progress. Other real-time seismology research goals include rapid finite moment tensors, and new real-time methods for earthquake locations as well as ground motion prediction.

The position will involve research in real-time seismology, including: 1) evaluating results from real-time implementations of existing EEW algorithms such as the Virtual Seismologist method; 2) developing statistical approaches to extend the algorithms to include finite rupture source characterizations; 3) applying existing strong motion records and synthetic waveforms to improve EEW analysis methods and predictions of maximum expected ground motion; and 4) various aspects of finite source seismology adapted for real-time processing.

A recent Ph.D. in seismology, earthquake engineering, or a related discipline is required. Experience in time-series analysis of broadband seismic data or strong motion data is also required. Some programming skills in languages, such as C, C++, Java, Matlab, or scripting languages, are highly desired.

The position is available now. Funding is available for one year with a possible renewal for two more years, depending on performance and availability of funding. Applications will be considered until the position is filled. For additional information, please contact Dr. Egill Hauksson, hauksson@gps.caltech.edu, or Prof. Tom Heaton, heaton@caltech.edu

Applicants should send a CV, a brief statement of research interests and experience, and arrange to have three letters of recommendation sent electronically to Marcia Hudson at:marcia@gps.caltech.edu.

Caltech is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

**Lamont-Doherty Earth Observatory invites applications for a Postdoctoral Research Scientist position in Structural Geology.**

The successful candidate will be involved in a large multidisciplinary project studying the interaction between tectonics and erosion/sedimentation from the eastern Himalayas to the Ganges-Brahmaputra delta region. A primary focus is the 250 km wide Burma subduction-accretion foldbelt in progressive collision with the delta. Another focus is the Shillong Massif, a large basement–cored anticline overthrusting the delta. Field areas will be in Bangladesh, India and possibly Myanmar. The research will entail classic structural skills, such as field mapping, section construction, and layer-parallel strain analysis, but will also include: 1) sedimentology, such as facies interpretation and correlation, and the effects of the coarsening upward stratigraphy on structural growth; 2) familiarity with techniques in geochronology, to recognize opportunities in the field and sampling; 3) numerical modeling of deformation for combining results from other team members and thus testing overarching hypotheses.

Experience or training in one or more of the following will be considered positively: field mapping, balanced cross section construction, familiarity with the geology of the field area or Himalayan region. A Ph.D. in Structural Geology is required. The position is a one-year appointment, with the opportunity of continuation depending on progress and availability of funding. Search will stay open for 30 days after the ad appears and will continue until the job is filled. Preferred start date is November 1, 2014-January 1, 2015.

Please visit our online application site at [https://academicjobs.columbia.edu/applicants/Central?quickFind=59571](https://academicjobs.columbia.edu/applicants/Central?quickFind=59571) for further information about this position and to submit your application, cover letter (please include email address), curriculum vitae, a statement of research experience and interests, a list of publications, and names and contact information for three referrals. For further information send an email to steckler@ldeo.columbia.edu or nano@ldeo.columbia.edu.
Columbia University benefits provided with this Officer of Research position. Columbia University is an Equal Opportunity/Affirmative Action employer -- Race/Gender/Disability/Veteran. We only accept online applications.

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********** HAVE A GREAT WEEKEND **********