

# GEOBULLETIN

## OCTOBER 10<sup>TH</sup> 2014

\*GeoBulletin is distributed weekly, by E-mail. Contributions are requested!  
If you have a news item, a request, an announcement etc. email it to  
geodept@geology.wisc.edu or leave it at the office, Room 225 by Noon on Wednesday.

### WEEKS LECTURE – FALL 2014

Date	Speaker	Institution	Host
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# WEEKS LECTURE



*Patrick Fulton*  
UC, Santa Cruz

**Oct 10<sup>th</sup> 2014, Friday, 3:30 PM, Room AB20 - Weeks Hall**

**Twenty-Five Thousand Feet Under the Sea: Taking the Temperature of the 2011 Mw9.0 Tohoku-oki Earthquake Fault**

The Japan Trench Fast Drilling Project (JFAST) was organized in response to the 2011 Mw9.0 Tohoku-Oki Earthquake to investigate the fault zone and the conditions that permitted very large slip to the trench. A key objective of the project was to measure the decaying frictional heat signal at depth. The heat signal provides constraints on the frictional resistance on the fault during the earthquake, which is a fundamental unknown in earthquake physics. Challenges to this ambitious endeavor included the rapid response necessary for these time-sensitive measurements and the extreme seafloor water depth of ~6900 m (4.3 miles) plus another 820 m (0.5 miles) to the fault zone. Dr. Fulton will discuss how these challenges were met with the Deep Sea Drilling Vessel Chikyu which successfully installed a borehole temperature observatory across the plate boundary fault 16 months after the Tohoku-oki earthquake where slip was ~50 m near the trench. After 9 months of operation, the complete sensor string was

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recovered with the remotely-operated-vehicle KaikoII7000. The data reveal a 0.31oC temperature anomaly at the plate boundary fault that corresponds to a very low apparent friction coefficient of 0.08. Together these data, along with fault zone core samples and geophysical logging obtained during the project, are providing new insight into the mechanics of fault zones and large tsunamigenic earthquakes

17-Oct-14	<b>NONE (GSA)</b>		
24-Oct-14	<b>Tomochika Tokunaga</b>	<b>University of Tokyo</b>	<b>Wang/Hart</b>
31-Oct-14	<b>Jay Zambito</b>	<b>WGNHS</b>	<b>Carroll (F)</b>
7-Nov-14	<b>Jessi Meyer</b>		<b>Cardiff (F)</b>
14-Nov-14	<b>Francis Macdonald</b>	<b>Harvard University</b>	<b>Peters (F)</b>
21-Nov-14			
5-Dec-14	<b>Larry Band</b>	<b>UNC-Chapel Hill (GSA Birdsell-Dreiss Distinguished Lecturer)</b>	<b>Wang/Bahr</b>
12-Dec-14	<b>NONE (AGU)</b>		

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### STUDENT INTERN:

#### **WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY**

**Job Title:** Student Intern (STEM)

**Wage:** \$10/hour

**Hours and Days:** Minimum of 10 hrs/wk; up to 20 hrs/wk; between 8 AM and 5 PM Mon – Fri.

**Job Description:** We are looking for a detail-oriented, motivated student to work with us on the preservation of the materials in a historic geologic collection. The materials include field notebooks written by pioneering geologists, along with the samples they collected and the maps and data that they produced. You will be documenting rock thin section slides in this collection by digital photography and organizing the photographs into a database as well as entering information from the field notebooks into the database.

#### **Knowledge and Skills Required:**

Good organizational skills, particularly with computer files.

Ability to work with minimal supervision and to ask questions and contribute suggestions on the work.

MS Word, Excel, and other basic computer skills. MS Access a plus.

Steady hand and eye for digital photography with a macro lens.

**Who we are:** The Wisconsin Geological and Natural History Survey (WGNHS) has been working to serve Wisconsin for over 100 years. We provide objective scientific information about the geology, mineral resources, and water resources of Wisconsin. Learn more about us at <http://WisconsinGeologicalSurvey.org>

**Location:** 3817 Mineral Point Road, Madison, WI 53705

**Notes:** On a bus route; near the bike path; friendly place to work; lots of cool science going on.

**To Apply:** email 1-page cover letter and 1-page resume to [carol.mccartney@uwex.edu](mailto:carol.mccartney@uwex.edu)

**Questions?** Call Carol McCartney at 608 263 7393

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### **JOB OPENINGS:**

- Environmental Chemistry Position - WSU Vancouver
- Research Staff Assistant opening in Core Repository/Paleoclimate Research Group at Lamont
- BBJ Group - Environmental Engineering & Consulting Firm -Position: Staff Scientist
- The Department of Earth and Planetary Sciences (EPS) at Harvard seeks applications for the position of Preceptor
- Postdoctoral Researcher – Mineral Physics and Rock Deformation, University of Nevada Las Vegas
- Assistant Professor of Earth and Atmospheric Sciences- University of Nebraska-Lincoln
- Senior Lecturer in Petroleum Geology - University College Dublin, Ireland.
- Post-doc opportunity available in the Rock Deformation Lab in Manchester
- PostDoc Position: Advanced Simulation of Coupled Earthquake & Tsunami Events - Ludwig-Maximilians-University Munich, Germany
- GNS Science - New Zealand, has a job opening for a Risk Specialist (engineer) to work in Lower Hutt, New Zealand
- Assistant Professor of Geology - Dept. of Earth, Planetary, and Space Sciences, UCLA
- Tenure-Track (assistant/associate/full) Professor in Marine Geoscience (Geochemistry) – Seoul National University School of Earth
- Assistant Professor Earth Systems History – College of Earth, Ocean, and Atmospheric Sciences at Oregon State University in Corvallis, Oregon
- Assistant Professor Sedimentology – University of Alabama, Dept of Geological Sciences

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- [Assistant Professor Seismic Stratigraphy - University of Alabama, Dept of Geological Sciences](#)

### **JOB OPENINGS:**

#### **[Environmental Chemistry Position - WSU Vancouver](#)**

The search committee is very interested in candidates using stable isotope approaches. The WSU stable isotope core facility is described at <http://www.isotopes.wsu.edu/>. Contact information is provided below.

#### **FACULTY POSITION IN ENVIRONMENTAL CHEMISTRY**

The School of the Environment at Washington State University (WSU) invites applications for a nine-month, full-time, tenure-track, Assistant Professorship in Environmental Chemistry, based at WSU's Vancouver campus. We especially encourage applications from scientists whose research addresses the chemical (especially biogeochemical or geochemical) dynamics and effects of environmental contaminants in an ecosystem context, and from those who examine nutrient or carbon cycling from a chemical perspective.

Requirements: 1) Ph.D. in an environmental chemistry-related discipline or an established record of publication and funded research in an environmental chemistry-related discipline by employment start-date, 2) demonstrated ability (or strong potential) to develop and teach undergraduate and graduate courses, 3) a successful, externally-funded research program or strong potential to develop same, 4) a strong publication record relative to career stage, 5) ability to contribute to WSU's diversity goals in research, teaching and/or service, and potential to contribute to research and graduate training in Watershed Science or Earth System Science. Preferred candidates will also have: 1) demonstrated ability to conduct research or instruction in an interdisciplinary setting, and 2) demonstrated ability to mentor diverse students.

Duties: Establish and maintain a high-profile, externally-funded research program, contribute to successful and growing research and graduate training programs in Watershed Science or Earth System Science, teach undergraduate and graduate courses, collaborate with interdisciplinary research teams across campus and system-wide, and provide academic service.

Application: Upload electronic copies of the following to position 76789 at <https://www.wsujobs.com/>: 1) a cover letter discussing training and experience as related to each of the 6 required and 2 preferred qualifications outlined in the full Notice of Vacancy (available at <https://www.wsujobs.com/>), 2) your curriculum vitae, 3) a statement of research interests and accomplishments, 4) a statement of teaching philosophy and interests, which must include a statement of ability or potential to contribute to WSU's diversity goals, 5) copies of two publications, and 6) three letters of reference. Review of applications will begin November 7, 2014. Inquiries about the search should be sent via email to Dr. John Harrison, search committee chair ([john\\_harrison@wsu.edu](mailto:john_harrison@wsu.edu)) and include the subject heading "Environmental Chemistry Search." WSU is an EEO/AA educator and employer.

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#### **[Research Staff Assistant opening in Core Repository/Paleoclimate Research Group at Lamont](#)**

We are now advertising a position for a Research Staff Assistant in my research group which includes the Lamont-Doherty Core Repository. The job is full-time and will involve assisting with deep sea sample preparation and analysis, producing data reflecting the results of physical properties and geochemical analyses of sediment core samples, conducting sediment analysis using standard lab techniques including picking forams at a microscope, and processing resulting data on computer.

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College diploma and some lab experience is desired. Salary is in high 30s. Ultimately we are looking for someone who is enthusiastic about climate change research, detail-oriented, neat to a fault, and gives 110% to everything they do.

Candidates interested in applying to this position, can use the following:

<https://jobs.columbia.edu/applicants/Central?quickFind=144672>

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### **BBJ Group - Environmental Engineering & Consulting Firm -Position: Staff Scientist**

**Location:** Chicago, IL

BBJ GROUP, LLC (BBJ) is a national environmental consulting firm committed to helping clients create value and mitigate loss in their management of environmental obligations and opportunities. The firm is organized in five practices areas: (1) Remediation and Site Restoration, (2) Real Estate and Transaction Support, (3) Regulatory Compliance, (4) Risk and Liability Management, and (5) Ecosystem Services and Sustainability. These practices blend traditional and market-leading consulting services, allowing BBJ to address emerging environmental opportunities and challenges in the public and private sectors.

BBJ offers competitive compensation and benefits, and is searching for creative, technically proficient professionals to join our team.

**Job Description:** BBJ is seeking a **Staff Scientist** for our **Chicago, Illinois** location. Successful candidates will be required to provide support for a variety of environmental and engineering consulting projects including:

- Phase I and II Environmental Site Assessments
- RCRA and CERCLA Site Investigation and Remediation
- UST/LUST investigation and closure
- NEPA Evaluations
- Compliance Audits
- Health and Safety Audits
- Geotechnical Investigations
- General environmental consulting technical support

Requirements:

- Bachelors Degree in geology, engineering, or chemistry preferred; strong science core a must.
- Up to 3 years of experience in environmental consulting or related field
- Proficiency with the Microsoft Office Professional suite of applications
- Strong writing and interpersonal skills
- Strong organizational and time management skills
- Flexibility to accommodate travel
- Autocad experience and OSHA HAZWOPER training a plus
- Ability to multitask

BBJ is an Equal Opportunity Employer and we value workplace diversity. We invite resumes from all interested and qualified parties.

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**The Department of Earth and Planetary Sciences (EPS) at Harvard seeks applications for the position of Preceptor.** The Preceptor will assist broadly with curricular activities, notably working with faculty to organize and implement lab and section content across the spectrum of earth sciences; identifying and training teaching fellows and

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teaching assistants (TFs and TAs); organizing and supporting instructional field activities/trips; reviewing lab equipment needs and overseeing purchasing and maintenance of core laboratory equipment; serving as the liaison with Research Computing and HUIT to ensure that the instructional computing facilities are properly maintained and providing the proper support for the department's classes and educational needs; providing support for course web sites (iSites) and other computer and media support; and preparing laboratory assignments, manuals, and other handouts. Working closely with EPS faculty, he or she will act as primary liaison between instructional staff and laboratory support groups, as well as with the Bok Center for Teaching and Learning, to provide training for TFs and TAs. We anticipate that Preceptors will also have opportunities to teach labs and sections for EPS courses, and may serve as the lead instructor for courses offered through the Harvard Extension School, depending on qualifications. The duties of the Preceptor are carried out in close collaboration with faculty, graduate teaching fellows, and the academic administrator.

Applicants must have a strong science background in a suitable discipline. A graduate degree is required (Ph.D. preferred) along with evidence of successful prior teaching and administrative experience. Superior organizational and interpersonal skills, responsibility, initiative, and judgment, plus the ability to work well on a team, are the desired qualities for the successful candidate.

Commitment to undergraduate education is a fundamental ethos within the EPS program at Harvard, and the candidate would be expected to share a similar pedagogical enthusiasm and demonstrate excellence in instructional communication.

Salary will be highly competitive and commensurate with experience. The position is renewable on a yearly basis for up to eight years, contingent upon performance and curricular needs.

Candidates should submit an application form with supporting material electronically through <https://academicpositions.harvard.edu/>. The supporting material for an application must contain the following:

- \* A cover letter that discusses how this position would fit into the applicant's career trajectory.
- \* Curriculum Vitae.
- \* A statement of teaching experiences and philosophy.
- \* Names and contact information of three references. At least one letter must discuss the applicant's experience with teaching, administration skills, and other educational work. (Three letters of recommendation are required, and the application is complete only when all three letters have been submitted.)

Review of applications will begin on November 28, 2014; preferences will be given to applications received by this date. For questions about the position or application procedure, contact Chenoweth Moffatt, Academic Administrator, [moffatt@eps.harvard.edu](mailto:moffatt@eps.harvard.edu); 617-384-9760.

Harvard is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Note for Reference Providers:

Commitment to undergraduate education is a fundamental ethos within the EPS program at Harvard, and the candidate would be expected to share a similar pedagogical enthusiasm and demonstrate excellence in instructional communication. Please comment on the candidate's teaching ability, creativity, research and field work, and skill at working with multiple constituencies (faculty, undergraduates, graduate students, and administrators).

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### **Postdoctoral Researcher – Mineral Physics and Rock Deformation, University of Nevada Las Vegas\***

Applications are invited for a full-time, 12-month, postdoctoral researcher position to commence as early as January 4, 2015. The candidate will be expected to conduct research in high pressure rock deformation\*. \*Projects will include in-situ synchrotron x-ray diffraction from high pressure deformation experiments, microstructural analysis of experimental specimens and numerical modeling. Experience with high pressure experimental techniques, x-ray diffraction, crystallography, electron backscatter diffraction (EBSD) and finite element modelling are all desirable. A Ph.D. in Geoscience, Materials Science, Solid State Chemistry, Physics or related field from an accredited college or university is required. The salary is competitive; contingent upon the labor market and contingent upon funding.

For more information about the position and our research group, please visit:

<https://faculty.unlv.edu/pburnley/>

The review of materials will begin November 1, 2014 and will continue until the position is filled. For questions regarding the nature of the position and research projects please contact Dr. Pamela Burnley (Burnley@Physics.unlv.edu <mailto:Burnley@Physics.unlv.edu>). Materials should be submitted via on-line application at <https://hrsearch.unlv.edu> <<https://hrsearch.unlv.edu>> (announcement #15277). For assistance with UNLV's on-line applicant portal, call (702) 895-2894 or e-mail [hrsearch@unlv.edu](mailto:hrsearch@unlv.edu) <mailto:hrsearch@unlv.edu>. UNLV is an Affirmative Action/Equal Opportunity educator and employer committed to excellence through diversity.

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**Assistant Professor of Earth and Atmospheric Sciences- University of Nebraska-Lincoln** (Exploration Geophysics) Applications are invited for a tenure track position as Assistant Professor in the Department of Earth and Atmospheric Sciences at the University of Nebraska-Lincoln. The successful candidate will be expected to participate in teaching and curricular development of undergraduate and graduate courses, to advise and direct graduate students, and to develop a rigorous research program that is supported by external funding. It is expected that the research program will include field and subsurface-based studies of exploration geophysics. Ability to contribute to growing petroleum geoscience-related teaching and research activities within the Department of Earth & Atmospheric Sciences will be considered as an advantage. The candidate should demonstrate strong potential for research and teaching and must hold a Ph.D. in Geology or a related field at the time of appointment. Female and ethnic minority candidates are strongly encouraged to apply. The Sedimentary Geology and Paleontology, Meteorology/Climatology, and Hydrosphere Geosciences programs serve as the three primary units within the Department of Earth & Atmospheric Sciences. The department offers B.S. degrees in Geology and Meteorology/Climatology, as well as M.S. and Ph.D. degrees in Earth and Atmospheric Sciences. Additional information about our department can be found on our Web site: <http://eas.unl.edu>.

To apply, go to <http://employment.unl.edu> requisition 41016 and complete the "faculty/administrative form". Applicants must attach a cover letter, curriculum vitae, a statement detailing research and teaching interests, and names of at least three references via the above website. We will begin to review applications on November 5, 2014, but the position will remain open until it is filled. The University of Nebraska is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. For further information, contact Dr. Chris Fielding, Search Committee Chair by email, phone, or mail at: [cfielding2@unl.edu](mailto:cfielding2@unl.edu), 1-402-472-

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9801; Department of Earth & Atmospheric Sciences, University of Nebraska-Lincoln, 214 Bessey Hall, Lincoln NE 68588-0340.

### **Senior Lecturer in Petroleum Geology - University College Dublin, Ireland**

Permanent Position at UCD School of Geological Sciences, University College Dublin, Ireland.

Building upon existing strengths in petroleum geosciences, UCD School of Geological Sciences seeks to appoint a Senior Lecturer in Petroleum Geology to create additional academic capacity in this strategically important area. The appointed person will be expected to develop a dynamic research programme in collaboration with industry partners and will be an enthusiastic university teacher who can contribute to both BSc (Geology) and MSc (Petroleum Geoscience) degrees, as well as other cognate programmes such as the ME (Energy Systems). (S)he will complement our existing expertise in petroleum geoscience, which currently includes structural geology, clastic sedimentology, seismology, reservoir characterisation and modelling. The successful candidate will likely have particular expertise in petroleum exploration. However candidates with a wider range of cognate research interests are encouraged to apply.

Further details including a complete job description and guidelines on how to apply online for this appointment are available at: [www.ucd.ie/hr/jobvacancies/](http://www.ucd.ie/hr/jobvacancies/). Online applications close at 17:00 BST on 10<sup>th</sup> October 2014. Informal enquiries may be made to the Head of School, Professor Stephen Daly ([stephen.daly@ucd.ie](mailto:stephen.daly@ucd.ie)).

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### **Post-doc opportunity available in the Rock Deformation Lab in Manchester**

We have a post-doc opportunity available in the Rock Deformation Lab in Manchester researching hydraulic fracturing in shales using state of the art X-ray tomographic imaging techniques. The project is in collaboration with the Manchester X-Ray imaging facility and the Diamond Light source. Further details can be found on the following sites:

<https://www.jobs.manchester.ac.uk/displayjob.aspx?jobid=8633> <http://www.jobs.ac.uk/job/AJR814/research-associate/>  
<http://www.earthworks-jobs.com/geoscience/man14101.html>

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### **PostDoc Position: Advanced Simulation of Coupled Earthquake & Tsunami Events - Ludwig-Maximilians-University Munich, Germany,**

The Department of Earth and Environmental Sciences (Geophysics Section, Seismology Group) at the Ludwig-Maximilians-University Munich, Germany, is seeking applications from enthusiastic young researchers for a postdoctoral fellowship in computational seismology ([www.earthworks-jobs.com/geography/lmu14091.html](http://www.earthworks-jobs.com/geography/lmu14091.html)).

The successful candidate will utilize and enhance SeisSol ([seissol.geophysik.uni-muenchen.de](http://seissol.geophysik.uni-muenchen.de)), a software package for wave propagation and rupture dynamics simulation using an arbitrary high-order derivative discontinuous Galerkin (ADER-DG) discretization. SeisSol recently reached performance beyond the “magical” one petaflop/s mark and is a Gordon Bell prize finalist application this year.

The project objectives are to conduct realistic tsunamigenic earthquake scenario simulations to investigate the impact of earthquake source dynamics on tsunami generation and propagation. To this end the incorporation of realistic 3D subduction zone geometries, methodological optimization and extension of SeisSol as well as validation case studies

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will be conducted. A strong interest in numerical methods, seismic wave and tsunami propagation and motivation to work in a high-performance computing context are required. Previous experience in aforementioned fields is highly advantageous.

The position is part of the international, interdisciplinary project ASCETE-II ([www.ascete.de](http://www.ascete.de)) aiming to utilize an integrative simulation environment based on extremely efficient algorithmic concepts from computer science to understand under which conditions devastating tsunamis are generated. Interaction and collaboration with the project partners at the Technical University Munich, ETH Zurich and the University of Hamburg are a crucial part of the project.

The Geophysics section offers excellent working conditions and hosts several strongly numerical based projects. The Department has a powerful Linux-cluster and access to local supercomputer facilities ([www.lrz-muenchen.de](http://www.lrz-muenchen.de)). The position is fully funded for 3 years, with the possibility of extension. We expect the candidate to start early 2015.

### Requirements:

- PhD in Earth sciences, physics, mathematics, computer science or related fields
- Expertise in seismology or wave propagation phenomena, numerical modeling, highperformance computing, programming (e.g. Python, Fortran, MPI), 3D CAD and mesh generation (e.g. GoCAD, Cubit, ...) is beneficial
- Interest in earthquake source and tsunami processes
- Excellent written and spoken English skills
- Motivation to work independently in an international and interdisciplinary team

Review of applications will start immediately and close on October 31, 2014, with the possibility of extension until the position is filled. Interested candidates should send a CV, a statement of research interests (one page) and two reference letters or the contact details of two referees to:

Dr. Alice-Agnes Gabriel ([gabriel@geophysik.lmu.de](mailto:gabriel@geophysik.lmu.de))

LMU Munich is an equal opportunity employer. The University intends to enhance the diversity of its faculty members, and therefore strongly encourages applications from female candidates. Furthermore, disabled candidates with essentially equal qualifications will be given preference.

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### **[GNS Science - New Zealand, has a job opening for a Risk Specialist \(engineer\) to work in Lower Hutt, New Zealand.](#)**

The job advert and application process can be found here:

<https://careers.sciencenewzealand.org/jobdetails/ajid/mPys7/Risk-Specialist,8807.html>

Risk Specialist - GNS Science-Lower Hutt, New Zealand

New Zealand is a very active geological environment within which GNS Science ([www.gns.cri.nz](http://www.gns.cri.nz)) is the leading supplier of research and consultancy services of earth science and geological hazard engineering.

The Risk and Society Department within the Natural Hazards Group of GNS Science is a 20 strong team of hazard and risk modellers, engineers, and social science researchers. Our work focuses on understanding societal risk and the

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development of tools and decision support systems to help communities understand, manage, and where practical, mitigate their risk from natural hazards.

We are seeking to appoint a risk specialist to enhance research capabilities in risk assessment and risk modelling. The successful applicant will be involved at the leading edge of the development and application of tools that enable better understanding of New Zealand's built environment and the risks imposed upon it by natural hazards. In particular, this will involve the integration of a suite of natural hazard models with a national inventory database and associated vulnerability database so as to establish the geographic distribution of risks on buildings and infrastructure within New Zealand, and within the Asia/Pacific region.

We are after a motivated and innovative person to join our high performance team. The successful applicant will have a post-graduate degree (Masters or PhD or equivalent), preferably with 3 years or more experience in engineering research or consultancy. An understanding of loss modelling, impact evaluation, and database management and application specifically in a risk evaluation environment is desirable. Commercial experience, statistics and demonstrable computer programming skills, together with an understanding of the NZ construction environment would be an advantage.

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### **Postdoctoral Fellowships in the Earth, Environmental and Ocean Sciences - Lamont-Doherty Earth Observatory of Columbia University**

Lamont-Doherty Earth Observatory of Columbia University invites applications for Postdoctoral fellowships in the fields of the Earth, environmental and ocean sciences. Candidates should have recently completed their Ph.D. or should expect to complete their degree requirements by September 2015.

Researchers at the Observatory work to understand the dynamics of the Earth's chemical, physical and biological systems, from the core to the upper atmosphere, including Earth's interactions with human society. Our scientists lead research in the fields of solid Earth dynamics; ocean, atmospheric and climate systems; cryospheric dynamics; paleoclimate; and biogeoscience.

The principal selection criteria for Fellows are scientific excellence and a clearly expressed plan to investigate problems at the forefront of Earth science. Applications from all related fields are welcomed.

Fellowships are supported institutionally for 24 months, include a \$5,000 research allowance, and carry an annual salary of \$60,000. Successful candidates will be encouraged to apply for external funding and may be eligible for further internal awards and positions. LDEO is especially interested in qualified candidates whose record of achievement will contribute to the diversity of the Observatory's scientific personnel.

The deadline for applications is December 1, 2014. For more information, and to apply for the fellowship, please visit: <http://www.ldeo.columbia.edu/postdoc> ...Contact: The Office of the Director, Lamont-Doherty Earth Observatory of Columbia University, Palisades, NY 10964

Tel: 845-365-8546 • Fax: 845-365-8162 • Email: [director@ldeo.columbia.edu](mailto:director@ldeo.columbia.edu) • Web: [www.ldeo.columbia.edu](http://www.ldeo.columbia.edu)

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### **Assistant Professor of Geology - Dept. of Earth, Planetary, and Space Sciences, UCLA**

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The Department of Earth, Planetary and Space Sciences seeks an assistant professor in geology. We encourage applicants from all sub-disciplines of geology but preference may be given to candidates with experience on both sides of the cover/bedrock interface or who complement existing strengths in tectonics, paleoclimate, geochronology, and sedimentology. Applicants should have a Ph.D. or equivalent in geological sciences or a related field. Selection will begin on October 1, 2014. Please include a curriculum vitae, list of publications, statement of teaching and research, names and email addresses of three referees, electronic copies of up to five significant publications, and a cover letter addressing how your experience fits the job description. Electronic applications should be directed to the Chair of the Geology/Surface Processes Search Committee at <https://recruit.apo.ucla.edu/apply/JPF00331>. Inquiries may be directed to [geologysurfaceprocesses\\_search@epss.ucla.edu](mailto:geologysurfaceprocesses_search@epss.ucla.edu).

The University of California is an Equal Opportunity/Affirmative Action Employer and has a commitment to enhance diversity in the geosciences at UCLA (see <https://faculty.diversity.ucla.edu>). Women and underrepresented minorities are encouraged to apply. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy, please consult the UC Nondiscrimination and Affirmative Action Policy.

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### **Tenure-track (assistant/associate/full) Professor in Marine Geoscience (Geochemistry) – Seoul National University School of Earth**

Seoul National University, School of Earth and Environmental Sciences is searching for one tenure-track (assistant/associate/full) professor in Marine Geoscience (Geochemistry). This position was created to promote diversity within the university. Competent applicants are encouraged to apply (September 23 - October 22, 2014). For more information, please contact Prof. Sang-Mook Lee ([smlee@snu.ac.kr](mailto:smlee@snu.ac.kr)). (<http://cns.snu.ac.kr/>).

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### **Assistant Professor Earth Systems History – College of Earth, Ocean, and Atmospheric Sciences at Oregon State University in Corvallis, Oregon**

Applications are invited by the College of Earth, Ocean, and Atmospheric Sciences at Oregon State University in Corvallis, Oregon. The position terms can be 9 month, 1.0 FTE (full time equivalent) faculty position, or 12-month position at 0.75 FTE. For either, grant funds can augment the university-provided salary. Conduct research and teach in the area of sedimentary geology, focusing on the use of pre-Quaternary sedimentary records as a basis for investigation of solid earth, oceanic, atmospheric, and surficial processes and interactions. Areas of expertise may include: paleoclimatology, past ocean and atmospheric chemistry and circulation, and tectonic and/or geodynamic influences on earth surface processes. Duties: teach undergraduate courses in earth history, stratigraphy and sedimentology, geology field methods, and graduate courses in area of specialty; establish an externally funded program of scholarly research; and college/university service. Requires a PhD geology, oceanography, or a closely related field; record of significant and innovative research that uses the sedimentary record to explore Earth Systems History; strong scholarly potential; potential for establishing a research program; potential to contribute to the teaching excellence in the undergrad/graduate programs; potential for mentoring; and proficiency in English. See job posting: <http://oregonstate.edu/jobs/#0012926>. For full consideration apply by 11/03/2014. Closing date: 12/15/2014.

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### **Assistant Professor Sedimentology – University of Alabama, Dept of Geological Sciences**

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The Department of Geological Sciences at The University of Alabama invites applications for an Assistant Professor tenure-track faculty position in sedimentology beginning August 2015. Candidates must have a strong record of research and teaching, and must have received their Ph.D. in Geosciences at the time of appointment. The successful candidate will be expected to establish an externally-funded research program, attract and supervise graduate students, and teach undergraduate and graduate courses in sedimentology/stratigraphy, and introductory geology. The department has a broad range of isotopic, geochemical and modeling research facilities available, in addition to University-shared instrumentation at the Central Analytical Facility ([www.caf.ua.edu](http://www.caf.ua.edu)<<http://www.caf.ua.edu/>>). Details regarding existing research programs, equipment, facilities, and departmental activities are at [www.geo.ua.edu](http://www.geo.ua.edu)<<http://www.geo.ua.edu/>>. Questions should be directed to Dr. Delores Robinson ([dmr@ua.edu](mailto:dmr@ua.edu)<<mailto:dmr@ua.edu>>). Go to <http://facultyjobs.ua.edu/postings/35994> to electronically apply. When submitting an application, candidates must provide a cover letter, CV, research and teaching statements, and a list with the contact information for at least three referees. Review of applications will begin November 17, 2014. The University of Alabama is an Equal Opportunity Affirmative Action Employer and actively seeks diversity in its employees.

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### **Assistant Professor Seismic Stratigraphy - University of Alabama, Dept of Geological Sciences**

The Department of Geological Sciences at The University of Alabama invites applications for a tenure-track faculty position in seismic stratigraphy, beginning August 2015. The position will be filled at the Assistant Professor level. Candidates are invited to apply who have specialties within the broad field of seismic stratigraphy. Energy industry experience is a plus. It is expected that this position will enhance our existing faculty research areas in geophysics, sedimentology, basin analysis, and petroleum geology. Candidates must have a strong record of research and teaching, and must have received a Ph.D. in geology, geophysics, or a related field, at the time of appointment. The successful candidate will be expected to establish a vigorous, externally funded research program and attract and advise high-quality graduate students. Teaching responsibilities will include undergraduate and graduate courses in her/his specialty and introductory geology. The department has a broad range of geophysical, geochemical, and computational facilities, in addition to University shared facilities, including the Dauphin Island Sea Lab. Departmental software includes industry standards such as ProMAX, Petrel, IHS Kingdom, Geosoft, ArcGIS, and Matlab. Details regarding existing research programs, equipment and facilities, and departmental activities can be found at <http://www.geo.ua.edu><<http://www.geo.ua.edu/>>. Questions should be directed to Dr. Ibrahim Çemen ([icemen@as.ua.edu](mailto:icemen@as.ua.edu)<<mailto:icemen@as.ua.edu>>). Applicants should go to <http://facultyjobs.ua.edu/postings/36000> to electronically apply for this position. When submitting an application, candidates must provide a cover letter, CV, research and teaching statements, and a list with the contact information for at least three referees. Applications will be reviewed beginning November 17, 2014. The University of Alabama is an Equal Opportunity Affirmative Action Employer and actively seeks diversity in its employees.

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