

GEOBULLETIN
OCTOBER 17TH 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
17-Oct-14	NONE (GSA)		

WEEKS LECTURE



Tomochika Tokunaga
The University of Tokyo

**Oct 24th 2014, Friday, 3:30 PM, Room AB20 ~ Weeks
Hall**

*Land subsidence and subsurface environmental changes in the Tokyo
Metropolitan Area, and possible groundwater management for urban
sustainability*

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The subsurface environments at the Tokyo Metropolitan Area have been changing dramatically in accordance with the change of groundwater condition and the continuous increase and heavy usage of underground space. Because of the complex interaction between the change of the groundwater environments and human activities, we have experienced a variety of problems which have very often affected negatively to our society. This presentation describes the temporal changes of the groundwater environments and associated problems at the Tokyo Metropolitan Area from 1920s until present. Then, the new techniques which are considered to be usable for strategic management of groundwater resources/subsurface environment are presented. Transferring our experiences at the Tokyo Metropolitan Area to presently developing and expanding urban cities in the similar geological/hydrogeological settings is crucial to achieve sustainable developments of urban geosphere.

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

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>

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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

Questions? Call Carol McCartney at 608 263 7393



JOB OPENINGS:

- Postdoc positions available at Lawrence Livermore National Laboratory
- Reposting of advertisement Oregon State University--Earth Systems History, Assistant Professor. For full consideration, apply by Nov. 3, 2014. GSA Annual Meeting contacts listed below
- AGI/Schlumberger Fellowship in Geoscience Communication
- Faculty Position in Solid Earth Science – University of Minnesota, Duluth
- Faculty Position at Western Michigan University
- C a l i f o r n i a S t a t e U n i v e r s i t y , Chico -Assistant or Associate Professor Position -Department of Geological and Environmental Sciences
- Tenure-Track Position in Aqueous Geochemistry or Hydrogeology -California State University, Sacramento
- 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

JOB OPENINGS:

Postdoc positions available at Lawrence Livermore National Laboratory

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The Chemical Sciences Division at Lawrence Livermore National Laboratory is inviting applications to postdoctoral researcher positions for participation in two potential research projects.

The first project involves development of durable, high strength ceramic composites and cermets with mechanical properties that are tailored to a variety of applications (including cutting, grinding, and armor). Qualified candidates should have strong experimental skills and experience handling, consolidating, or sintering powders using powder mills, gas controlled furnaces, and large volume presses.

The second project involves the study of hydrogen diffusion and electrical conductivity in mantle minerals. Qualified candidates should have strong experimental skills and experience with gas controlled furnaces, and large volume presses. Experience measuring hydrogen in nominally anhydrous minerals using FTIR or SIMS is also highly desirable.

Please send inquiries to Dr. Josh Kuntz (kunt2@llnl.gov) or myself (dufrane2@llnl.gov). Further details and applications can be found at <https://careers.llnl.gov/> under posting # 12442. The positions are available immediately.

Reposting of advertisement Oregon State University--Earth Systems History, Assistant Professor. For full consideration, apply by Nov. 3, 2014. GSA Annual Meeting contacts listed below

Earth Systems History, Assistant Professor: 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](http://oregonstate.edu/jobs/#0012926). For full consideration apply by 11/03/2014. Closing date: 12/15/2014.

Member of the Faculty Search Committee will be attending GSA Vancouver, Oct. 18-22, and can answer questions (Meet at OSU Geology Booth #245 in the Campus Connection area in the Exhibit Hall)

If interested in meeting, please contact

John Dilles dillesj@geo.oregonstate.edu

Eric Kirby eric.kirby@geo.oregonstate.edu

Tenure-track Assistant Professor -Mineralogy/Petrology-Western Washington University

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Western Washington University invites applications for a tenure-track Assistant Professor starting September 2015, with research and teaching specialties in mineralogy or petrology. Western Washington University is a nationally recognized, public, masters-granting institution located in the Pacific Northwest at the base of the North Cascade Mountains. We seek a colleague whose research interests could include metamorphism and the dynamics of orogenic systems, low-temperature alteration processes, generation of ore deposits, or planetary geology. Required qualifications for the position include 1) a PhD in an appropriate Earth Science field at the time of appointment, 2) the ability to develop a high-quality undergraduate teaching program including courses in Mineralogy and Optical Petrography, and contribute to field courses such as Field Camp or Field Petrology, 3) the ability to establish an externally-supported research program, 4) the ability to involve students in research, 5) the ability to contribute to the graduate (MS) degree program, 6) ability to work with a diverse student body and 7) a demonstrated capacity to pursue important problems in the Earth sciences using field-based and quantitative techniques. Preferred qualifications include postdoctoral experience, college-level teaching experience in the courses listed above, ability to teach Introductory Geology, and potential to develop local field research projects. The ideal candidate will engage in collaboration within the Geology Department and the Advanced Materials Science and Engineering Center (AMSEC) and will enhance without duplicating existing departmental strengths in igneous petrology/volcanology, field geology, geomorphology, geophysics, tectonics, geoscience education, and planetary geology, as well as emerging directions in engineering geology and ore-forming systems. For more information see <http://geology.wwu.edu/dept/> and <http://www.wwu.edu/amsec/>.

Interested candidates must apply online. To see a full position description and log in to WWU's Electronic Application System for Employment (EASE), please go to <https://jobs.wwu.edu/JobPosting.aspx?JPID=6211>. Applications must include a cover letter outlining teaching and research experience and accomplishments with specific reference made to the required and preferred qualifications described above. The application should also include a C.V., graduate school transcripts, as well as goals and plans for teaching and research at WWU. The names and contact information for letters of reference from four persons familiar with the candidate's research and teaching must be provided; one of these references must be from outside the applicant's current institution. Review of all application materials will begin on January 5, 2015; position is open until filled. Questions regarding this position should be directed to the search committee chair, Liz Schermer (liz.schermer@wwu.edu) or the Geology Department chair, Bernie Housen (bernard.housen@wwu.edu).

Temple University-Tenure Track Positions In Remote Sensing and Geomaterials

The Department of Earth and Environmental Science is entering a period of growth with a newly launched Ph.D. program. To achieve this growth, the department seeks to fill two tenure-track faculty positions to begin in August 2015. One of the positions will be in the area of REMOTE SENSING. A second position will be in the area of GEOMATERIALS. Exceptional candidates holding a Ph.D. are encouraged to apply at any level (assistant, associate, or full professor). Mentoring of undergraduate and graduate students and securing external funding are expected. Applicants must have a Ph.D. in a relevant science discipline.

REMOTE SENSING: We especially encourage applicants with a focus on the analysis of Earth using airborne or satellite remote sensing platforms, expertise in digital signal processing for geoscience applications, and the use of satellite data for understanding climate change. This appointment will complement existing expertise in geophysics, hydrogeology, structural geology, geomorphology, and planetary geology, and make use of the new high-performance computing cluster. Applicants should be able to teach undergraduate and graduate courses including Remote Sensing and Physical Geology.

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GEOMATERIALS: Of particular interest are applicants with a focus on energy as well as earth science, and with expertise in mineralogy and petrology that crossover to material science. The candidate should investigate crystalline, glassy, or melt geomaterials with a goal of understanding the atomic-scale characteristics that lead to macroscopic properties in earth sciences. The individual is expected to use a combination of field or experimental based data collection and modeling approaches. This appointment will complement existing expertise on the properties of nano-minerals and geochemistry within EES as well as materials research conducted through super-computing, engineering, chemistry, and physics utilizing a variety of in place instrumentation and the newly formed Temple University Energy Frontier Research Center. Applicants should be able to teach undergraduate and graduate courses including Mineralogy and Petrology.

Applications should first email a letter of intent to the appropriate Search Committee Chair. REMOTE SENSING applicants should send a letter of intention to apply and any inquiries to **Alexandra Davatzes, Chair, Search Committee**, alix@temple.edu, whereas GEOMATERIALS applicants should email **Nick Davatzes, Chair, Search Committee**, davatzes@temple.edu. Applicants should upload a CV, statement of teaching goals, a research plan, names and addresses of at least three references, and selected reprints via the following website: <http://ees.cst.temple.edu/>. We request application material be submitted by **December 1, 2014**. Temple University is a state-related research-intensive institution with an undergraduate enrollment of more than 27,000 and nearly 10,000 graduate and professional students. More information about our department is available at <http://www.temple.edu/geology/>. Temple University is an equal opportunity, equal access, affirmative action employer committed to achieving a diverse community (AA, EOE, M/F/D/V). The department specifically encourages applications from women and minorities.

AGI/Schlumberger Fellowship in Geoscience Communication

The American Geosciences Institute is accepting applications for the AGI/Schlumberger Fellowship in Geoscience Communication. The successful candidate will play a leading role in AGI's Critical Issues program, a new initiative to make relevant geoscience information more accessible to decision makers at all levels. The program is supported through AGI's Center for Geoscience Education and Public Understanding.

The fellowship offers a superb opportunity to link the geoscience community and our understanding of the Earth to decision-making processes throughout the country.

Primary duties and responsibilities will include:

- Developing geoscience-based content for the Critical Issues website, including fact sheets, webinars, and other information products
- Working with technical experts to ensure the accuracy and impartiality of information products
- Promoting the program's products and services to decision makers and geoscientists via meetings, webinars, conferences, social media, and other channels
- Providing input on the program's direction, planning, and communications strategy
- Providing regular status reports on fellowship activities and achievements

The fellowship is a 6- to 12-month appointment, based at AGI headquarters in Alexandria, VA. The fellowship carries a stipend of \$4,000 per month.

Qualifications

The successful candidate will be a highly creative communicator who is proficient in traditional and new media and can deliver geoscience information effectively and efficiently to targeted audiences. We seek applicants with excellent writing and graphical skills who have experience in web content development and social media, in addition to a broad geoscience background. Enthusiasm and team spirit are essential. Candidates should have completed or be currently pursuing a Master's or higher degree.

Application Procedures

Interested candidates should submit:

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- Cover letter with the names and contact information of three references
- Brief statement of purpose, which should outline why you are interested in the fellowship, what you would bring to the fellowship, and what you hope to gain from the fellowship (maximum 1,000 words)
- Résumé or curriculum vitae

Please submit materials as a single Word document (.doc or .docx) or PDF (.pdf) using our online submission form. For more information please visit <http://bit.ly/AGISchFellowship>.

All application materials are due on October 26, 2014.

The starting date for the Fellowship will be based on the schedule of the successful candidate, but is expected to be in January or February 2015.

Inquiries only to cipinfo@agiweb.org. Please use the subject line “AGI/Schlumberger Fellowship.”

AGI is an equal opportunity employer and especially welcomes applications from women and minorities.

Faculty Position in Solid Earth Science – University of Minnesota, Duluth

The [Department of Earth and Environmental Sciences](#) at the [University of Minnesota Duluth](#) anticipates hiring a new tenure-track faculty member to begin August of 2015. We seek a broadly-based earth scientist who will complement our existing teaching and research strengths in crustal geology, resources, surficial processes, sedimentology, paleoclimatology, hydrogeology, planetary geology, and geophysics. Fields of expertise may include, but are not limited to, mineral science, petrology, economic geology, fluid-rock interactions, geodynamics, tectonics, and early Earth history. This is a tenure-track faculty position with responsibility for teaching, research and service to the University. Appointment at the Assistant Professor level is preferred, but applicants with appropriate qualifications may be considered at the Associate Professor level.

Expected essential qualifications for the position are: 1) completion of a Ph.D. in earth science by July 1, 2015, from a regionally-accredited university or equivalent program; 2) expertise in mineral science, which may include mineralogy, petrologic applications of mineralogy, geochemistry, economic geology, or mineral physics; 3) potential for acquiring external research funding; 4) an established or emerging research publication record; 5) experience in teaching, which may include teaching assistantships; and 6) excellent written communication skills. Essential qualifications for an appointment as Associate Professor also include: 7) college- or university-level teaching experience; 8) a demonstrated record of scholarship in peer-reviewed publications; 9) scientific leadership and creativity; and 10) the proven ability to support the University’s commitment to equity and diversity. Preferred qualifications for all candidates are expected to include an interest in interdisciplinary research, collaboration with individuals of diverse backgrounds, and in attracting undergraduate and graduate students who traditionally are underrepresented in the geosciences; candidates must also demonstrate excellent oral communication and interpersonal skills. Currently, our faculty teach three courses per year. The successful candidate will teach a core geology majors' course in Mineralogy, including optical mineralogy, plus other introductory- to graduate-level courses each year. The candidate will also be expected to develop an externally funded research program that involves both undergraduate and graduate students.

Duluth is a vibrant small city with exceptional outdoor, recreational and cultural opportunities. We offer BA and BS degrees in geological and environmental science, the MS degree in geology, and the PhD degree in earth sciences in cooperation with the University of Minnesota-Twin Cities campus. Detailed information about our undergraduate and graduate programs is available at www.d.umn.edu/dees/index.html. Opportunities exist to develop research collaborations with other faculty and researchers, and with the robust resource or environmental industries in the

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region, including a new University of Minnesota MnDRIVE-funded Initiative in Sustainable Mining at UMD (see <http://mndrive.umn.edu> and <http://www.d.umn.edu/scse/initiatives>).

Pending a formal job posting by the University, review of applications is expected to begin on January 5, 2015 and will continue until the position is filled. We anticipate that the position will be posted in the next couple of weeks. For further information regarding this position, please contact [Dr. John Goodge \(jgoodge@d.umn.edu\)](mailto:jgoodge@d.umn.edu), Chair of the Earth Science Faculty Search Committee. **Department faculty will be available at the GSA meeting in Vancouver to discuss this position, answer questions and provide information about our program; please contact Prof. Goodge directly if interested in scheduling a meeting time in Vancouver.**

The University of Minnesota is an equal-opportunity educator and employer, and we encourage individuals from underrepresented groups to apply.

Faculty Position at Western Michigan University

Tenure-Track Faculty Position – Sedimentary Geology: Sedimentary Basin Analysis, Sedimentology and Stratigraphy
The Department of Geosciences at Western Michigan University is a growing center for geologic and environmental research, and invites applications for a tenure-track faculty position in Sedimentary Geology; with emphasis in sedimentary basin analysis, sedimentology, and/or stratigraphy/sequence stratigraphy beginning August 2015. The position will be filled at the Junior Faculty level (Assistant/Associate Professor). Candidates should have a strong record of research and teaching, and must have received their Ph.D. in Geology, or a related field, at the time of appointment. The successful candidate will assist in enhancing the diversity on campus through demonstrated commitment to diversity and inclusion. The successful candidate expected to establish a vigorous externally-funded research program in the field of Sedimentary Geology is central to the successful applicant's professional responsibilities. Professional responsibilities also comprise teaching undergraduate and graduate classes including, but not limited to: Historical Geology, undergraduate and graduate courses in sedimentology and stratigraphy. Industry experience related to subsurface geology is advantageous since this experience has been important in attracting and supervising graduate students. The Department has a strong tradition of both applied and basic Geosciences research highlighted by work in the areas of Environmental Geology/Hydrogeology, Geochemistry/Isotope Geochemistry, Tectonics, Remote Sensing, and Sedimentary Geology/ Sedimentary Basin Analysis. Research with a focus on applied geosciences through the years in Michigan has resulted in the development of the Michigan Geological Repository for Research and Education (MGRRE), the premier subsurface geological research and data repository for studies related to the Michigan basin, and the recent transfer (through legislative initiative) of the Michigan Geological Survey to Western Michigan University.

The Department of Geosciences at Western Michigan University (one of the top-100 public universities in the United States) is fully committed to the priorities of a "discovery driven, learner centered, and globally engaged" university. The department is one of the most research active units at WMU, has a substantial student population, confers BS, Masters and PhD degrees, and supports the general education mission of the College of Arts and Sciences and the University.

The Carnegie Foundation for the Advancement of Teaching has placed WMU among the 76 public institutions in the nation designated as research universities with high research activities. Please visit www.wmujobs.org. The appointment process at Western Michigan University requires that each applicant submit a comprehensive vita or set of placement credentials and arrange for the transmittal of at least three recent letters of recommendation. Expected start date is Fall 2015. Open until filled. WMU is an Affirmative Action/Equal Opportunity Employer consistent with applicable Federal and State Law. All qualified applicants are encouraged to apply.

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California State University, Chico -Assistant or Associate Professor Position -Department of Geological and Environmental Sciences, College of Natural Sciences

The Position: The Department of Geological and Environmental Sciences is searching for a tenure track Assistant or Associate Professor to start August, 2015. The position is contingent on funding.

We seek an enthusiastic Petrologist or Economic Geologist to contribute to the hard-rock foundation in our B.S. Geology and M.S. Geoscience programs. The department is committed to providing a rigorous curriculum for the B.S. in Geology that focuses on maintaining a strong petrographic component while also expanding our analytical capabilities. The new faculty member will be joining nine full-time faculty, additional collaborative faculty in other departments, and a growing team of part-time faculty with diverse talents. Chico's location provides diverse teaching and research opportunities for hard rock petrology with nearby access to a variety of metamorphic and igneous terrains as well as active and historic mining districts. The department houses several research microscopes (petrographic, ore, cathodoluminescence) including analytical software, a functioning thin-section laboratory, XRD, and additional equipment. CSU, Chico is proud of maintaining its own field camp and all faculty are field-oriented. The position requires excellence in teaching and advising, professional and scholarly research achievements, and a commitment to service to the University. Additional desirable attributes include a successful grant record and established ties to research institutions, mining industries, or government agencies.

As a university that educates students of various ethnic and cultural backgrounds, we value a diverse faculty and staff. The University is an Equal Opportunity Employer and does not discriminate against persons on the basis of race, religion, color, ancestry, age, disability, genetic information, gender, gender identity, gender expression, marital status, medical condition, National origin, sex, sexual orientation, covered veteran status, or any other protected status. We also welcome those who share a passion and commitment to the University's Strategic Priorities-<http://www.csuchico.edu/vpaa/wasc/StrategicPrior/>.

Minimum Qualifications: The minimum education requirement for appointment to this position is a Ph.D. in Geology/Geoscience or a related field. Candidates nearing completion of the doctorate may be considered; however, the doctorate must be completed prior to the start of employment in August, 2015.

Preferred Qualifications: Candidates should be enthusiastic about working hands-on with a diverse group of undergraduate students and developing connections/mentoring for applied geology. Experience teaching at the undergraduate or graduate level, employment in economic geology, and experience with modern instrumentation are preferred qualifications beyond the minimum. Candidates should demonstrate the potential to conduct externally funded research and publish original manuscripts.

Responsibilities: This tenure-track position carries responsibilities in the areas of teaching General Education, Igneous and Metamorphic Petrology, Optical Mineralogy, Economic Geology, and general geology; advising research students; and maintaining professional development. Teaching assignments are based upon qualifications and interests of the individual and the needs of the department.

Salary: Salary commensurate with education and experience.

The Department: The Department of Geological and Environmental Sciences offers B.S. degrees in Geology and Environmental Sciences as well as M.S. degrees in Environmental Sciences and Geosciences. The department continues to grow and currently serves over 200 majors and more than 25 graduate students. Faculty and students are actively involved in external research grants and service contracts. More information may be viewed at <http://www.csuchico.edu/geos/index.shtml>.

California State University, Chico FAAF

Form 3

Closing Date: Review of applications will begin on November 14, 2014 and continue until the position is filled.

How to Apply: All applicants must complete the Application for Academic Employment Form, which is available online at <http://www.csuchico.edu/faaf/documents/FacultyEmploymentApplication.pdf> to be submitted with curriculum

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vitae or resume, complete set of transcripts, three letters of recommendation (and documentation for whatever the specific requirements are for the position) to:

Dr. Rachel Teasdale, Search Committee Chair
Dept. of Geological and Environmental Sciences, CSU Chico
400 West First Street
Chico, CA 95929
530-898-5547
rteasdale@csuchico.edu

An annual security report disclosing crime statistics for California State University, Chico can be obtained by contacting the Chico State University Police Department (530-898-5555) or by accessing the following website: www.csuchico.edu/up/clery_report.shtml

For disability related accommodations please call ADA Coordinator at (530) 898-6771.

CSU, Chico is EOE/M/F/Vets/Disability Employer and also only employs individuals authorized to work in the U.S. Final Candidate will be required to undergo LiveScan Screening.

We strongly suggest that you link this vacancy announcement in its entirety on the Department

Tenure-Track Position in Aqueous Geochemistry or Hydrogeology -California State University, Sacramento

Beginning Fall Semester 2015

California State University, Sacramento invites applications from individuals interested in joining our dynamic and growing faculty. With a current student population of about 28,000, Sacramento State, the capital University, is one of the larger campuses in the 23-campus California State University system, the largest system of higher education in the nation. The University is organized around eight colleges. There are approximately 1,700 faculty who provide programs of instruction leading towards bachelor's degrees in 60 disciplines and Master's degrees in 40 disciplines, two joint doctoral programs, and one independent doctoral program.

Sacramento is a high-growth metropolitan area with a population of approximately 2 million. Sacramento, a city and county with a very diverse population, was identified by Time Magazine in 2002 as "America's most integrated city." As California's capital, Sacramento is an advantageous setting for premier academic programs. As a major metropolitan university, Sacramento State is committed to providing leadership in addressing significant regional needs and to enriching our liberal arts tradition. The proximity of Sacramento State to the California legislature and other agencies of state and federal government provides unparalleled opportunities for faculty and students to participate in public service through policy research, internships, and employment.

Minimum / Required Qualifications

Education:

Applicants must hold a Ph.D. in geology or a related field by August 2015.

Special Knowledge and Abilities:

The successful candidate will have knowledge in at least one of these broadly defined fields: low temperature geochemistry or hydrogeology. The successful candidate will have the ability to teach general education courses to a

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diverse student population as well as embrace the opportunity to be a fully-engaged participant in a small, collegial department.

Expectations

A successful California State University, Sacramento faculty member promotes the values celebrated by a public, regional, comprehensive, metropolitan university. At Sacramento State, the quality of the education we provide is our top priority. In addition to contributing positively to teaching and learning, faculty members are expected to engage in scholarship and to provide service to the University and to the greater community. Our campus community represents the broad diversity of our state, and we believe that all are enriched and unified by this diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of qualified people with the commitment and ability to work with a diverse student population.

Preferred / Desired Qualifications

- Prior teaching experience at the college level is desired.
- Specialties could include, but are not limited to, marine geology, geological oceanography, stable isotopes, water chemistry, water resources, flood characterization, groundwater modeling, contaminant transport, groundwater flow, and aquifer analysis.
- We especially encourage applicants with field-based research interests.
- Applicants should demonstrate the ability to utilize technology or other innovative strategies to improve access to high demand GE courses.

Assignment

Duties will include: (1) teaching upper division courses in geology, (2) teaching lower division general education geology courses, (3) teaching and developing other undergraduate/graduate courses in area of specialization, (4) major advising, (5) conducting research and maintaining a positive professional profile in the discipline, (6) supervising undergraduate and Master's student research, and (7) actively supporting Department and University programs designed to recruit and retain underrepresented students in geology, and (8) using your professional skills to provide service to the campus and community.

Appointment

This is a tenure-track position at the Assistant Professor rank, beginning in August 2015. Salary will be dependent upon qualifications and professional experience.

Application Procedure

Review of applications will begin October 15, 2014; position open until filled.

Applicants must submit the following material using the online application process: (1) a cover letter that addresses their fitness for the position, their teaching interests and experience, and their scholarly interests and experience; (2) a current curriculum vita; (3) official transcripts of college work (unofficial transcripts are acceptable; to be followed

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later by official transcripts before hiring); (4) three recent letters of reference (which may be sent directly to the search committee) and contact information (mailing address, phone number and email address) for these same references. Additional information can be found at www.csus.edu/geology. To apply for this position please visit:

www.csus.edu/about/employment

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) and include the subject heading "Environmental Chemistry Search." WSU is an EEO/AA educator and employer.

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

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samples, conducting sediment analysis using standard lab techniques including picking forams at a microscope, and processing resulting data on computer.

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>

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.

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 teaching assistants (TFs and TAs); organizing and supporting instructional field activities/trips; reviewing lab

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