EES NEWSLETTER
Week of November 1, 2022

TAKE A PEEK INSIDE:

IMAGE: AUTUMN LEAVES ON THE GROUND (JILL WELLINGTON, GETTY IMAGES)

THIS WEEK...

• ANNOUNCEMENTS
• EES 5010 SEMINAR

JOB OPPORTUNITIES
• UNDERGRAD/ENTRY-LEVEL
• PROFESSIONAL/POST-GRAD

INTERNSHIPS, SCHOLARSHIPS, FELLOWSHIPS, & GRANTS (UNDERGRAD & GRAD)

ICRU - UG RESEARCH FAIR (EES)

CAMPUEs EES-RELATED EVENTS

IA GROUNDWATER ASSOC FALL MTNG ANNOUNCEMENT

THIS WEEK...

Thank you to everyone who participated in last week's EES Alumni Board meeting, poster session, and afternoon seminar!

Congratulations to Gwen Barnes, winner of this year's Homecoming poster session!

EES 5010 Geoscience Seminar - 11/4/2022

There is no seminar this week.

Thanks to Manny Zertuche for representing the Department of Earth & Environmental Sciences

REMINDERS:
• EARLY REGISTRATION FOR WINTER 2022 / SPRING 2023 COURSES: 11/7 - 12/2/22
• LAST DAY TO DROP A COURSE WITHOUT DEAN’S APPROVAL - GRADUATE - 11/8
• LAST DAY TO WITHDRAW WITHOUT DEAN’S APPROVAL - GRADUATE - 11/8
• LAST DAY TO WITHDRAW WITHOUT DEAN’S APPROVAL - UNDERGRADUATE - 11/14
• FALL BREAK: 11/21 -11/25
  • EES OFFICES WILL BE CLOSED
  • NO NEWSLETTER OR SEMINAR

Homecoming Parade, October 2022
PhD and MS Opportunities, University of Nevada Las Vegas
University of Nevada Las Vegas - Las Vegas, Nevada

The Geoscience Department at UNLV is seeking PhD and MS students for Fall 2023 admission. We are seeking qualified students in the fields of Economic Geology, Petrology, Geochmistry, Hydrology, and in other disciplines represented by the department. UNLV offers 20 full-time faculty with wide geoscience research interests and contains state-of-the-art laboratory facilities including geochronology, stable isotope, SEM, electron microprobe, ICP-MS, and LA-ICP-MS. The Western United States and Nevada present ideal field-based research and recreational opportunities, with close access to several National Parks. Assistantships include salary, tuition remission, and health insurance. The Department also awards the Faye and Jack Ross Family Doctoral Fellowship to highly qualified PhD students, which covers a generous salary, tuition remission, health insurance, and a research stipend. For more information, and to apply online, visit geoscience.unlv.edu. Application deadline is Feb. 1, 2023.

Graduate Assistantships Available, West Virginia University
West Virginia University - Morgantown, West Virginia

The Department of Geology & Geography at West Virginia University seeks students interested in graduate study on a NSF-funded project focused on severe climatic and biotic events of the Late Paleozoic Ice Age. Project work includes developing automated mineralogy routines for fine-grained sedimentary lithologies calibrated to paleoclimate and provenance indices along with detrital geochronology, paleohydrology, paleopedology, chemostatigraphy and basin modeling. Both PhD and MS positions are available and will be funded by teaching and/or research assistantships that include tuition waivers, health care, and a stipend. Applications are due January 15, 2023 and applications will be considered until positions are filled. For more information, please contact Amy Weislogel at amy.weislogel@mail.wvu.edu or visit https://www.geo.wvu.edu/. WVU is a RTI research land grant university located in Morgantown, which has been recognized as one of the most livable small cities in the U.S. and is surrounded by extensive outdoor recreational opportunities year-round. WVU values diversity and applications from all qualified individuals is encouraged and welcomed.

Ph.D. Research Assistantship in Economic Geology, University of Missouri
University of Missouri - Columbia, Missouri

Applications are invited for a Ph.D. opportunity in economic geology with an initial three-year research assistantship in the Department of Geological Sciences at the University of Missouri—Columbia, U.S.A. The research assistantship is for a project aimed at compiling geospatial databases of the most important mines and deposits of sediment-hosted base metal mineralization of the United States that are prospective for critical minerals. A further component will be to investigate the origin of select deposits through geochemical analysis. Applications will be considered until the position is filled. To be considered for Fall, 2023 semester admission, applications must be submitted by November 15, 2022. To be considered for Spring, 2023 semester admission, applications must be submitted by February 1, 2023. Application instructions can be found at https://geology.missouri.edu/graduate-program. For more information, please contact Martin Appold at appoldm@missouri.edu.

PROFESSIONAL / POST-GRAD

Assistant Professor in Earth and Planetary Surface Processes, University of Washington
University of Washington - Seattle, Washington

The Department of Earth and Space Sciences, in the College of the Environment at the University of Washington, is soliciting applications for two permanent, full-time, 9-month, tenure-track assistant professors in Earth and planetary surface processes. Position 1: Assistant Professor in Geomorphology

We seek a geomorphologist who will build a strong field-oriented research program. Areas of focus could include but are not limited to landscape evolution and dynamics, fluvial and watershed processes, or cryosphere geomorphic processes. Contributions to interdisciplinary research and teaching in areas such as geologic hazards, field geology, environmental sustainability, or preparation for the professional workforce are desirable.

Position 2: Assistant Professor in Earth and Planetary Surface Processes

We seek applicants in Earth and planetary surface processes, broadly defined. Areas of focus could include but are not limited to weathering and soil-forming processes, biogeochemical cycling, and landscape evolution on Earth and/or other planets. Contributions to interdisciplinary research and teaching in areas such as planetary sciences, remote sensing, geobiology, or critical zone research are desirable.

All University of Washington faculty engage in teaching, research and service. Successful candidates will be expected to build vibrant and externally funded research programs that contribute to science of global significance. For both positions, we value the ability to quantify processes and make observational or theoretical advances specific to the surface and near-surface environment. The successful candidates will teach within the core Earth sciences curriculum at both the undergraduate and graduate levels and will demonstrate a commitment to working collaboratively with other faculty and to mentoring students from a wide range of disciplines, cultures and academic backgrounds.

The successful candidates will join a dynamic interdisciplinary department, including seven new faculty hires in the past four years. The Department of Earth and Space Sciences includes 35 research and teaching faculty, 90 graduate students, and 200 undergraduate majors. Opportunities for interdisciplinary collaboration exist within the department, as well as with other units including the Schools of Oceanography, Atmospheric and Fisheries Sciences, and Environmental and Forest Sciences; the departments of Atmospheric Sciences and Civil and Environmental Engineering; the programs in Astrobiology and Climate Change, the Quaternary Research Center, the eSciences Institute, Future Rivers program, GeoHazards Institute, initiatives in subduction zone science, and with USGS geohazards researchers on campus.

The University of Washington is located in the Seattle metropolitan area and offers one of the most exceptional research and teaching environments in the United States. It serves a diverse population of 80,000 students, faculty and staff, including 25% first-semester college students, over 25% Pell Grant students, and faculty from over 70 countries. The College of the Environment seeks to attract and promote a diverse workforce to maintain the excellence of the University, and to offer students richly varied disciplines, perspectives and ways of knowing and learning. UW, the College of the Environment and the Department of Earth and Space Science offer a range of networking, mentoring and professional development opportunities for junior faculty.

QUALIFICATIONS
Applicants must apply through the UW's Interfolio portal at https://apply.interfolio.com/116035. The selected candidates must have a PhD, or foreign equivalent in a relevant field by the start of the appointment. The anticipated start date is September 1, 2023.
The Department of Earth Atmospheric and Planetary Sciences at MIT has opened a search for Assistant Professor (tenure-track).

The Department of Earth, Atmospheric and Planetary Sciences (EAPS) at the Massachusetts Institute of Technology (MIT) invites applications for a faculty position in the broad area of planetary habitability. We especially encourage applicants who use field, laboratory or other measurement-based approaches to understand how habitable environments on Earth or other planets function and evolve and what controls their stability. Our intent is to hire at the tenure-track assistant professor level. More senior appointments may be considered in special cases, commensurate with experience.

EAPS is an academic community of approximately 40 faculty, 100 research staff (including postdocs), and 180 students, who study integrated aspects of Earth and planetary sciences, including through partnership with the MIT-Woods Hole Oceanographic Institution (WHOI). EAPS is committed to academic excellence and to fostering an intellectually vibrant, equitable and inclusive environment. We seek outstanding and collegial scientists who have the potential for innovation and leadership in research, bring strong commitment to teaching and mentoring undergraduate and graduate students, and share the Principles of our Community.

A complete application includes (1) a cover letter, (2) Curriculum Vitae, (3) a 1-3 page summary of current and future research directions, (4) a 1-3 page statement describing teaching and mentoring experience and/or future plans, including contributions to fostering diversity, equity, and inclusion, and (5) three letters of recommendation.

A Ph.D. is required by the start of employment. Applications are being accepted at Academic Jobs Online: https://academicjobsonline.org/ajo/jobs/23425

To receive full consideration, complete applications must be received by December 15, 2022

Search Contact: Ms. Karen Fosher, HR Administrator, EAPS, 54-924 Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139-4307, email: kfosher@mit.edu

The Geology Department at the University of Chile in Santiago, Chile invites applications for three tenure-track faculty positions in the areas of igneous/metamorphic petrology, structural geology/tectonics and geotechnics/geohazards. We encourage candidates whose research integrates field-based studies with analytical, experimental and/or numerical modeling techniques.

The successful candidates are expected to develop a vigorous, externally-funded research program in close connection with research groups within the Department, demonstrate a strong commitment to excellence in teaching and mentoring undergraduate and graduate students, and be involved in service to the department, university, and the broader scientific community.

The Geology Department at the University of Chile (www.geologia.uchile.cl) is the leading Geosciences institution in the country, with ~30 faculty, postdocs and researchers. It hosts state-of-the-art geochemical laboratories including LA-MC-ICP-MS, ICP-MS-Q, AAS, ICP-OES and liquid and gas chromatography facilities, and micro-analytical laboratories including SEM, TEM, XRF, FTIR and micro-Raman systems, among others. The Department also hosts a fluid/melt inclusions laboratory, and tectonics and sedimentology laboratories. Geology research at the University of Chile has been ranked consistently among the World’s 100 best programs, according to QS World Universities Rankings by subject. The Department of Geology is located in the Engineering and Science Faculty (FCFM) campus in downtown Santiago.

Interested individuals should upload their applications electronically using the following documents on the official website of the University of Chile: (http://www.uchile.cl/concursoAcademico/). 1) Curriculum Vitae, 2) Cover Letter, 3) Statement of Research, 4) Teaching plan and diversity philosophy, 5) A Web of Science citation report, 6) Copy of undergraduate (B.Sc.) and graduate (M.Sc., Ph.D.) degrees, and 7) an affidavit (“Declaración Jurada”) available on the application website, which is required due to the public nature of University of Chile. Finally, three reference letters are required and must be sent during the application period to the FCFM Academic and Research Office (concurso.academico@ing.uchile.cl), referring to the application code FM2203.

Specific questions can be directed to the Head of Department, Dr. Martin Reich (mreich@ing.uchile.cl).

Applications are requested by December 22, 2022. Applicants must hold a Ph.D. degree at the time of appointment. Spanish fluency is not required at the time of application or appointment; however, candidates must demonstrate minimum language proficiency to communicate and teach in Spanish within a two-year timeframe.

Assistant Professor, Engineering Geology, Portland State University

Portland State University - Portland, Oregon

The Geology Department and Department of Civil and Environmental Engineering at Portland State University are now accepting applications for a full-time, 9-month, tenure-track Assistant Professor in Engineering Geology to start in Fall 2023. We seek diverse candidates with backgrounds in near surface geology and geotechnical investigations, including but not limited to geologic hazards such as landslides and slope stability, earthquakes, ground motions, and seismic investigations, erosion, flooding, dewatering, groundwater investigations, and the intersection of geologic hazards and climate change. Salary will be negotiated commensurate with years of related experience, applicable skills, market parity, and internal equity.

We are most interested in finding the best candidate for the job, and that candidate may not meet every one of our listed qualifications. Lived experience may count towards the preferred qualifications listed above. If you are excited about this position, we encourage you to apply. Applications will be accepted starting on November 1st, and will be considered until the position is filled.

Apply here: https://jobs.hrc.pdx.edu/postings/39840
**Iowa Groundwater Association Fall Meeting**

The Iowa Groundwater Association fall meeting will be held Wednesday November 9th at the DMACC Conference Center on their Newton campus, 8-430. Registration and meeting details will be available at: https://www.igwa.org

**WANT TO SHARE SOMETHING IN THE WEEKLY EES NEWSLETTER?**

The EES Department newsletter is published every Tuesday during the academic year, apart from semester breaks.

If you would like to add an event, club meeting, or other item of interest, please submit an email to geology@uiowa.edu with the subject heading "Newsletter item," on Fridays by noon, and your submission will be added to the following Tuesday's newsletter.

Thank You & Have a Great Week!