EES NEWSLETTER
Week of November 29, 2022

TAKE A PEEK INSIDE:

IMAGE: LATE FALL, WILDWILDW PHOTOGRAPHY (GETTY IMAGES)

ANNOUNCEMENTS
- EES 5010 SEMINAR
  UNDERGRAD/ENTRY-LEVEL
  PROFESSIONAL/POST-GRAD

THIS WEEK...

EES 5010 GEOSCIENCE SEMINAR - 12/2/2022
125 TROWBRIDGE HALL - 3:30PM - IN PERSON ONLY

PRESENTER: VINCENT CHEVRIER, AR CENTER FOR SPACE & PLANETARY SCIENCES, UNIVERSITY OF ARKANSAS

PRESENTATION TITLE: FORMATION, DYNAMICS AND HABITABILITY OF LIQUID BRINES ON PRESENT-DAY MARS

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

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

REMINDERS:
- EARLY REGISTRATION FOR WINTER 2022 / SPRING 2023 COURSES: 11/7 - 12/2/22
- FALL THESIS DEPOSIT DEADLINE: 12/5 @ 5PM
- LAST DAY FOR UNDERGRADUATES TO FILE SECOND-GRADE ONLY OPTION: 12/9
- CLOSE OF CLASSES: 12/9
- FINALS WEEK: 12/12 - 12/16
- COMMENCEMENT: 12/15 - 12/18

AMAG INSTALLATION SCHEDULED FOR WINTER BREAK

If you have not already done so, please update your UI ID card by 12/15/22.

EES Main Office will switch to winter break hours starting 12/19/22: 8AM - 4PM Monday - Friday

- University offices closed: 12/26 - 12/27/22
- University office closed: 1/2/2023
The UMW Paleomagnetism Laboratory seeks applicants for a fully-funded PhD (preferably) or MS position beginning Fall 2023. The student will participate in a collaborative project examining eruptive timing and volcanic accretion on the Southern East Pacific Rise. The student will be responsible for paleomagnetic analyses and will have the opportunity to participate in the sea-going expedition. Funding as a research assistant (RA) is available for up to 4 semesters (MS) or 6 semesters (PhD). The RA stipend is $21,420 for the 9-month academic year plus up to $5000 in summer support. Two additional semesters of PhD support are funded as a teaching assistant (TA) or graduate fellow. The successful applicant also receives full tuition remission and benefits such as health care. UMW and the Department of Geosciences [https://uwm.edu/geosciences/graduate/] are committed to diversity and student mentoring. Application information can be found at https://uwm.edu/geosciences/graduate/phd/. Applications are due February 1 for fall admission. Get to know the program during our Q&A session on Wednesday, December 7, at 6:30 p.m. ET/3:30 p.m. PT. The Zoom link is https://kansas.zoom.us/j/4579691776. Or, contact Program Coordinator Brandi Erzen at bernzen@ku.edu or 785-864-6408. We welcome in-person campus visits and Zoom meetings!

**University of Kansas Museum Studies Applications Due February 1st**

The University of Kansas’ Museum Studies Program offers a flexible master’s degree and graduate certificate, with a focus on interdisciplinarity and student advising. Our program builds students’ technical foundational knowledge in the field while providing hands-on professional skills in museum collections, which deepens their knowledge in their chosen academic discipline. Each student focuses on collections, subject skills, and interests that interest them professionally, including the natural sciences. Students work with renowned KU faculty and museum professionals throughout the program, including those in KU’s Biodiversity Institute/Natural History Museum collections.

Applications are due February 1 for fall admission. Get to know the program during our Q&A session on Wednesday, December 7, at 6:30 p.m. ET/3:30 p.m. PT. The Zoom link is https://kansas.zoom.us/j/4579691776. Or, contact Program Coordinator Brandi Erzen at bernzen@ku.edu or 785-864-6408. We welcome in-person campus visits and Zoom meetings!

**MSc/PhD Graduate Assistantships in Geoscience Education Research, University of British Columbia (UBC)**

The Department of Earth, Ocean and Atmospheric Sciences at the University of British Columbia seeks students interested in graduate study in geoscience education research. Both PhD and MSc positions are available and will be funded by teaching, research, and/or academic assistantships. PhD program also includes Faculty of Science Tuition Award (covers tuition for 4 years). Applications are due January 15, 2023 and applications will be considered until positions are filled. For more information or to discuss project opportunities, please contact Dr. Laura Lukes at laura.lukes@ubc.ca (please include a resume/cv and writing sample) or visit https://www.eoas.ubc.ca. UBC is a research-intensive university, consistently ranked among the top 20 public universities in the world. The Point Grey campus is located in Vancouver, Canada on the traditional, ancestral, and unceded territory of the xʷməθkʷəy̓əm (Musqueam) and is surrounded by extensive outdoor recreational opportunities year-round. The Geoscience Education Research lab group at UBC creates an inclusive learning environment and applications from all qualified individuals is encouraged and welcomed.

**PROFESSIONAL / POST-GRAD**

**Open Rank Professor, Geology/Subsurface Energy Systems, Department of Geology & Geography, Eberly College of Arts and Sciences, West Virginia University**

The Department of Geology & Geography at West Virginia University invites applications for an open-rank, tenured or tenure-track faculty position in Geology with a specialization in subsurface energy systems starting August 11, 2023. This is a 9-month, full-time position with full benefits. Candidates with research applications to sustainability challenges of the 21st century, and candidates whose research and scholarship support WVU’s land-grant mission are encouraged to apply.

The Department of Geology and Geography is in the process of transitioning into a school focused on the physical and social dimensions of global sustainability. Successful candidates will be joining five other new hires in GIS, hydrogeology, and sustainability science/studies as we build out this exciting new unit. Faculty in the department secure significant external research funding, teach thousands of students, and provide service to the state, Appalachian region, and the world. The department currently supports 34 graduate teaching assistants, and two graduate fellows. The department is housed in the extensively renovated Brooks Hall on the Downtown campus and owns complete suite of state-of-the-art subsurface analysis software and outstanding geospatial science teaching and research facilities, including the WV GIS Technical Center. Faculty in Geology & Geography have led several big multi-institutional research projects in Subsurface Geology involving collaborations with researchers in Mechanical, Civil, Chemical, Petroleum Engineering, Natural Resource Management, and Law School. The holder of this position will be a key associate of the WVU Energy Center and have immediate opportunities to collaborate with WVU’s long-time partners at the Department of Energy’s National Energy Technology Lab.

WVU is a R1 research land grant university located within 90 minutes of Pittsburgh and 3.5 hours from the Washington/Baltimore area. Morgantown has been recognized as one of the most livable small cities in the U.S. There are extensive recreational opportunities, excellent public schools, and a supportive University environment in which to develop a visible and productive career. The WVU Dual Career Program is available to assist candidates with suitable employment opportunities for spouses or partners.

Qualifications

The successful applicant must have: 1) a Ph.D, or equivalent doctoral degree in Earth Sciences or closely related field such as geology; 2) subsurface energy or engineering experience; 3) teaching and delivery abilities in one or more of the following areas: subsurface geology, geophysical or geomechanical applications to energy transition technologies, including carbon sequestration, hydrogen storage, and geothermal systems; 3) ability or potential to teach courses such as: subsurface resources for energy transition, subsurface methods, geothermal energy, petroleum geology, and graduate-level courses in area of expertise; 4) demonstrate the potential for pedagogical innovation and excellent teaching at the graduate and undergraduate levels; 5) demonstrate the ability or potential to publish peer-reviewed research and secure external funding for research. The teaching load is two courses or course equivalents per semester.

To apply, please upload the following documents: 1) a letter of application; 2) curriculum vitae; 3) a research statement; 4) a list of three references with complete contact information; 5) up to three peer-reviewed publications. The screening process will begin December 15, 2022 and continue until the position is filled. For more information, please visit our website www.geo.wvu.edu or contact the chair of the search committee, Dr. Shikha Sharma at shikha.sharma@mail.wvu.edu.
Assistant/Associate/Full Professor, Chair in Mineral Resources Geology, Oregon State University
Oregon State University - Corvallis, Oregon

The College of Earth, Ocean, and Atmospheric Sciences (CEOAS) invites applications for a tenure-track (Assistant/Associate/Full Professor) faculty position to fill the newly created Barrow Family Endowed Chair in Mineral Resource Geology. The Barrow Endowed Chair generates funds on an annual basis to be used at the discretion of the appointee. We are particularly interested in individuals that conduct field-based and laboratory-based investigations of ore genesis, evolution, and exploration. Specific areas of interest include, but are not limited to, the role of fluids in crustal processes, structural and tectonic controls on magma and fluid flow, magmatic, hydrothermal and other processes that determine the concentration and dispersion of mineralized materials, geothermal or active magmatic or metamorphic systems, or related fields. Research strategies should integrate some combination of field investigation, petrology, structural geology, remote-sensing, high-temperature and isotope geochemistry, and/or other lab-based or modeling approaches.

The successful candidate will have demonstrated capabilities and/or high potential for research and teaching excellence that will inspire the next generation of geology students and early career researchers. The candidate will contribute to teaching undergraduate courses such as mineralogy, petrology-petrography-optical mineralogy, and field geology, as well as graduate courses in their specialty. We are particularly interested in applications from early career individuals. The ideal candidate will demonstrate a capacity for (1) creative research and teaching in geology, geophysics or cognate fields, (2) building an externally-funded research program, (3) developing an international reputation in Mineral Resources Geology, (4) establishing connections with industry partners and (5) contributing to on-going college- and university-wide efforts to improve diversity, equity and inclusion (https://ceoas.oregonstate.edu/del).

For academic-track positions, it is CEOAS policy to hire as a 12-month, 0.75 FTE (equivalent to the traditional 9-month, 1.0 FTE where additional salary can be supported by external grants). Consideration for indefinite tenure is coincident with evaluation for promotion to Associate Professor.

Oregon State University (OSU) and the College of Earth, Ocean, and Atmospheric Sciences are committed to maintaining and enhancing its collaborative and inclusive community that strives for equity, and equal opportunity. All OSU faculty members are responsible for helping to ensure that these goals are achieved. CEOAS faculty are expected to demonstrate a commitment to diversity and inclusion, including efforts promoting equitable outcomes among learners of diverse and underrepresented identity groups (https://diversity.oregonstate.edu/strategic-plan; https://leadership.oregonstate.edu/president/initiatives/moving-forward-together). OSU and CEOAS strive to build and sustain a welcoming, collegial and inclusive campus environment.

The College of Earth, Ocean, and Atmospheric Sciences is an internationally recognized leader in the study of the Earth as an integrated system. It operates numerous state-of-the-art laboratories, two oceanographic research vessels and several national facilities and centers. The College has an annual research expenditure budget of more than $80 million, with support coming from the National Science Foundation, National Oceanic and Atmospheric Administration, National Aeronautics and Space Administration, the Department of Energy, and other federal agencies. It has approximately 100 faculty, 200 graduate students and 800 undergraduate students.

Graduate programs include M.S. and Ph.D. degrees in Ocean, Earth and Atmospheric Sciences; Geology; and Geography and an M.S. degree in Marine Resource Management.

Application URL: https://jobs.oregonstate.edu/postings/128093

For full consideration apply 1/08/2023, applications close 4/08/2023

Faculty Positions at the Department of Geosciences, National Taiwan University
National Taiwan University - Taipei, Taiwan

The Department of Geosciences at the National Taiwan University (NTU) is seeking active scientists to fill several faculty positions starting from August 1st, 2023. The positions are open to candidates from all fields in geosciences, but more favorable consideration will be given to those who have strong background in the following fields:

Geo-materials/geo-resources
Geochemistry
Hydrogeology
Mineralogy/petrology
Sedimentology/stratigraphy
Structural geology

NTU ranks in the top 100 universities worldwide (QS 2023), and Taipei was recently named one of the World’s Friendliest and Safest Cities for Expats (InterNations 2022). Within Taipei there is easy access, through a world class transit system, to a vibrant city life and to numerous outdoor activities. The Department of Geosciences offers a dynamic and supportive working environment with a wide range of state-of-the-art research facilities. Generous start-up funding is available for new faculty members. Outstanding candidates may also apply for special programs of the National Science and Technology Council with extra stipend and grants.

Applicants are requested to send the following documents: CV, list of publications, statements of teaching and research interests, names and contact information of three referees, and three to five articles published within the recent seven years (one of which need to be designated as representative paper and must be published after August 1st, 2018). Application materials should be sent by email the Searching Committee, at geology@ntu.edu.tw

Deadline for application: January 6th, 2023. For more information, please refer to the website: http://web.gl.ntu.edu.tw/
INTERNSHIP, SCHOLARSHIP, FELLOWSHIP, & GRANT OPPORTUNITIES

INTERNSHIP

Do you know a college student who loves being outdoors? The Iowa Natural Heritage Foundation is accepting applications now for our 2023 Summer Land stewardship interns! We have four intern crews spread across the state in the Loess Hills, northeastern Blufflands, and central and eastern Iowa.

Land stewardship interns work hard to maintain and restore native Iowa landscapes while also learning about ecology, land management and wildlife. These interns conduct land management and restoration on some of the most exceptional prairies, wetlands, woodlands and savannas across Iowa.

Applications are due Monday, January 16, 2023.

Learn more at our website: https://www.inhf.org/about-us/internships/

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!