EAPS WEEKLY NEWSLETTER
11 November 2019

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BE SURE TO CHECK OUT ALL OF THE EAPS COMMUNICATIONS MEDIA!

Facebook
Twitter
Department Magazine
Website News

EAPS MEETINGS & EVENTS

EAPS FACULTY MEETINGS
Tuesday's - 3:00 PM
HAMP 3201

November 12
November 19
December 3 (tentative)

EAPS K-12 OUTREACH CALENDAR OF EVENTS
http://www.eaps.purdue.edu/outreach/Outreach_News.html

EAPS COLLOQUIA
Nicole Riemer
University of Illinois, Champaign
Thursday, November 14, 2019
3:30 PM
HAMP 1252

EAPS DEFENSE
MS
Jacob Elliott
November 13, 2019
10:30 AM
HAMP 2201

http://www.eaps.purdue.edu/
12th ANNUAL PURDUE RECEPTION
2019 AGU FALL MEETING

Co-sponsored by the Purdue Climate Change Research Center and the Department of Earth, Atmospheric and Planetary Sciences.

Thursday, December 12
7:00 to 9:30 p.m.
ThirstyBear Brewery
Billar Room
661 Howard Street
San Francisco, CA

Complimentary heavy hors d’oeuvres and beverages.

PURDUE ALUMS AT NASA GOODARD

Professor Harshvardhan presented a talk at NASA Goddard Space Flight Center on Nov. 5, 2019. Title: Severe Arabian Dust Outbreaks as Viewed from Space, the Surface, and as Simulated by Models. Followed by a traditional lunch with EAPS alumni and Professor Harshvardhan.

The five former EAPS students and Prof. Harshvardhan represent a cumulative total of 75 years at NASA GSFC.

The alums with dates of graduation, degree and advisor are:
Michael Bosilovich, Ph.D. 1997, Advisor: W.Y. Sun
Jiun-Dar Chern, Ph.D. 1994, Advisor: W.Y. Sun
Richard Cullather, M.S. 1993, Advisor: Harshvardhan
Mariya Petrenko, Ph.D. 2012, Advisor: Harshvardhan

STEM AND AGRICULTURE MAJORS

E & J Gallo Winery is now hiring students for paid internships for STEM and Agriculture Majors.

Come for an information session and reception to learn more:
Wednesday, November 13th
6-7/pm
Lilly Hall, Room 2102

Please submit your Resume for review and sign up for interview before Nov. 12th. Contact Hui Chong: Huihui.chong@ejgallo.com
You can also bring your Resume to the event. On campus interviews on Nov. 14th.

[See fliers for additional information]

NCAR POSITION OPEN: ASSOCIATE SCIENTIST III – DATA ASSIMILATION

NCAR is hiring for an Associate Scientist III, located in Boulder, Colorado. As an Associate Scientist III - you will conduct research, and testing and evaluation of Numerical Weather Prediction (NWP) capabilities including data assimilation systems/techniques applied in real-world applications. You will also serve as a link between distributed user and developer groups for the data assimilation (DA) community, e.g. for the Gridpoint Statistical Interpolation (GSI) and EnKF DA systems. Do you have a Bachelor’s degree in atmospheric science, physical sciences, or engineering science plus substantial experience (e.g., 3-5 years as an ASII or equivalent position) in related research? Having experience with data assimilation is also highly desired. Sound like the job for you? If so, please click here to apply: http://bit.ly/2C1ls14
FACULTY SEARCH IN THE DEPARTMENT OF
EARTH AN PLANETARY SCIENCES AT
NORTHWESTERN UNIVERSITY

The Department of Earth and Planetary Sciences at Northwestern University invites applications for a tenure-track faculty position at the rank of Assistant Professor in the field of geophysics, broadly considered, to begin in Fall 2020. We seek a scholar whose expertise and creativity will complement and expand the Department’s strengths. Area(s) of specialization within solid-Earth, environmental or planetary geophysics are open and may include any aspect of geodesy, seismology, dynamic topography, geophysical fluid dynamics, hazards, climate, or planetary science across spatiotemporal scales. Applicants are likely to employ emerging technologies in remote sensing, machine learning, numerical methods, and/or field instrumentation. Applicants whose research reveals linkages between physical processes and societal impacts are particularly encouraged to apply. The successful candidate is expected to teach both undergraduate and graduate courses and lead a vibrant externally funded research program. A Ph.D. is required at the time of appointment. The deadline for applications is 12/16/19. Applicants should visit http://bit.ly/NUEARTH-faculty-position for submission instructions. Questions may be directed to earth@northwestern.edu.

More information can be found at: https://www.earth.northwestern.edu/our-people/open-positions/

Applicants can direct their questions to earth@northwestern.edu

Are you a current student or recent graduate looking for a paid STEM internship or research opportunity?

Register now at http://bit.ly/32X22q7

November 13, 2019 Noon to 3:00 pm EST

Join us from 12-3 p.m. EST Wednesday, November 13, 2019, for the Oak Ridge Institute for Science and Education (ORISE) Virtual Recruitment Fair showcasing more than twenty U.S. Department of Energy sponsored programs.

http://www.eaps.purdue.edu/
If you have any questions or trouble registering, do not hesitate to contact us at ve@orau.org.

**GRADUATE STUDENT INTERNATIONAL TRAVEL AWARDS for Round 2, Fall 2019**

Eligible dates for travel will be from January 1, 2020 - May 31, 2020. The deadline for students to apply is December 6th, with announcements made by Friday, December 13th.

[See attached flier]

**MENTAL HEALTH FIRST AID TRAINING AVAILABLE**

As a part of the Steps to Leaps Initiative here at Purdue, we are pleased to invite faculty and staff to participate in Mental Health First Aid (MHFA) training. Knowing that mental health is a rising concern across higher education and in our local communities, Steps to Leaps, specifically focusing on the element of ‘support and coaching’, is working to better prepare our campus community with knowledge and awareness around many areas including mental health and wellness.

This past week, sixteen faculty and staff from across the University attended a 4 day intensive train-the-trainer program with a specific emphasis on higher education. They are now ready to put that training to use.

Mental Health First Aid is a program designed to help community members identify, understand and respond to mental illness while also increasing awareness of available resources. MHFA is an eight-hour training designed to give participants the skills to help someone who is developing a mental health concern or experiencing a mental health crisis. The course uses role-playing and simulations to demonstrate how to recognize & respond to the warning signs and symptoms of a mental illness or emotional crisis.

The course is tailored specifically for university culture to include:
- A discussion of campus culture and its relevance to the topic of mental health
- A discussion of the specific stress and risk factors faced by the higher education population
- A review of mental health resources on campus and through partnerships in the community

Mental Health First Aid helps people understand that mental illnesses and addictions are real, common and treatable. It also affirms that it's okay to seek help. Research demonstrates this program's effectiveness in improving knowledge of mental illness as well as substance abuse, removing fear and misunderstanding and enabling those trained to offer concrete assistance.

**FAQ:**

How do I register for MHFA training? Please note there are multiple dates offered. For more information on dates & how to register, please follow this link: [https://www.purdue.edu/advocacy/students/other/MHFA.html](https://www.purdue.edu/advocacy/students/other/MHFA.html)

What is the time commitment of this training? Each training is scheduled from 8 a.m. until 5 p.m.

Please keep in mind you must attend the full eight hours of training to be certified.

Is there a cost? The course value of being trained in Mental Health First Aid is estimated at $175.00 but there will be no cost to Purdue faculty, staff or students due to the sponsorship by the Office of the Vice Provost for Student Life and Steps to Leaps.

Who do I contact with questions? Please direct any questions to Julie Cox, Associate Dean of Students at jtalz@purdue.edu

**EAPS PASSPORT DAY**

Passport day is one of the largest annual EAPS outreach events, and is held at Imagination Station, a children’s science museum in downtown Lafayette. EAPS students lead hands-on science activities for children aged 6-12 to teach them about EAPS-related topics. Each of the 12 EAPS-themed stations are structured to help kids practice scientific skills like observing, hypothesizing, classifying, inferring, and analyzing, all while learning something new about the Earth.
other planets, or the atmosphere and environment! The kids receive stamps for each activity they complete in their ‘passport’ booklets, and win prizes and the title of “Junior EAPS Scientist” if they complete at least 10 of the 12 activities.

**Summary:**

**Who:** Kids aged 6-12 and beyond!

**What:** Purdue’s Earth Science Passport Day

**When:** Saturday, November 16, 2019

**Where:** Imagination Station (600 N 4th St, Lafayette, IN)

**Why:** To cultivate kids’ scientific skills!

**How:** General admission is $2 (2 & younger free)

For more information and station sneak peeks, join our Facebook event.

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**INTERNSHIP TO WRITE FOR GWCC**

On behalf of the Global Weather & Climate Center, we are writing to you about an opportunity we are extending to university meteorology departments across the nation and Purdue University is among the top universities we are contacting.

We’d like to invite you to visit the GWCC web site.

This company was founded a little over 3.5 years ago, and covers global weather events as well as educational, advanced meteorological, climatological, environmental, and space weather topics. GWCC is not another weather forecasting site, but rather an informational resource site. With over 9,500 followers between Facebook and Twitter along with a combined average monthly reach of over 300,000 people a month and quickly growing, this is a great networking opportunity to all applicants.

We would like to offer current students (graduate and undergraduate), a writing internship opportunity with GWCC. Selected applicants (interview, letter of interest, resume, and writing samples are required) would be able to write for GWCC at their own frequency (one article per month minimum). Full details about the opportunity and application instructions can be found at [http://www.globalweatherclimatecenter.com/write-for-us.html](http://www.globalweatherclimatecenter.com/write-for-us.html).

We know that you are receiving this at the start of your fall semester, but this is a great opportunity for tremendous academic progress and professional growth. Purdue University alumni are also welcome to apply for a position with GWCC as well.

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**HYDROLOGY/FISHERIES FACULTY POSITION**

Department of Hydrology
Salish Kootenai College
Pablo, Montana

Salish Kootenai College Department of Hydrology is seeking a full time hydrology instructor with fisheries experience in applied hydrological measurements, fluvial processes, general fisheries biology and hydrological and fisheries management tools for natural and cultural resource management for tribal organizations.

The minimum requirements will be an M.S. (PhD preferred) in Hydrology, Fisheries, Geoscience, or closely related degree.

If you are interested or have additional questions please contact Dr. Antony Berthelote, Hydrology Department Head, 406-275-4080, antony_berthelote@skc.edu

[See attached flier for additional details]

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**COLLEGE OF HEALTH AND HUMAN SCIENCES**

So, you’re dealing with that science student who’s graduating soon and doesn’t know what to do next. Simple lab work is out of the question but a PhD sounds like too much school.

Enter the field of occupational and environmental health, which allows your student to transform their undergraduate science degree into a lucrative professional career in as little as two years. A career in occupational and environmental health, where scientific principles are applied to workplace safety and the mitigation of environmental hazards, can satisfy them both scientifically and financially.

[http://www.eaps.purdue.edu/](http://www.eaps.purdue.edu/)
Purdue University offers a one-of-a-kind Occupational and Environmental Health Science (OEHS) graduate programs, featuring master’s and PhD programs that provide crucial industrial hygiene education. Plus, our year-round application deadlines are very student-friendly.

So, if you have a science student who wants to learn skills that are in high demand and enjoy a promising career with excellent compensation, OEHS at Purdue is the answer.

To learn more go to this link: [https://www.purdue.edu/hhs/hsci/students/graduate/programs/industrial-hygiene/index.php](https://www.purdue.edu/hhs/hsci/students/graduate/programs/industrial-hygiene/index.php)

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**LAURA BASSI SCHOLARSHIP WINTER 2019**

The Laura Bassi Scholarship, which awards a total of $8,000 thrice per annum, was established by Editing Press in 2018 with the aim of providing editorial assistance to postgraduates and junior academics whose research focuses on neglected topics of study, broadly construed. The scholarships are open to every discipline and the next round of funding will be awarded in December 2019:

**Winter 2019**

**Application deadline: 25 November 2019**

**Results: 15 December 2019**

All currently enrolled master’s and doctoral candidates are eligible to apply, as are academics in the first five years of their employment. Applicants are required to submit a completed application form along with their CV through the application portal by the relevant deadline. Further details, previous winners, and the application portal can be found at: [https://editing.press/bassi](https://editing.press/bassi)

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**GEOLOGY 2 POSITION IDEM GEOLOGY SECTION**

This position resides in the Geology Section of the OLQ Permits Branch and is responsible for the following: reviewing permit applications and writing permit requirements specifically for geology, and ground water and explosive landfill gases monitoring programs for Solid and Hazardous Waste Land Disposal Facilities; ensuring these facilities are in compliance with their permit and applicable rules and regulations by tracking, reviewing, and evaluating monitoring data for ground water and explosive gas; oversee facility ground water and explosive gas corrective programs; and making enforcement referrals based on these responsibilities. Independent of the enforcement actions associated with permits, the position serves as a geologic expert in applying enforcement actions for facilities outside the permit program such as salvage yards. This position will also be responsible for reviewing permit applications for Confined Feeding Operations and registrations for Compost Facilities with respect to geologic and ground water aspects.

This position may advise various IDEM staff, citizen groups, environmental boards, and the regulated community on changes to rules affecting ground water, explosive gas, and geology issues. When necessary, this position will be required to interact with the public, explaining all aspects of geology, ground water quality, and explosive landfill gas migration associated with Solid and Hazardous Waste Land Disposal Facilities, Confined Feeding Operations, and Compost Facilities.

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**CIMMS RESEARCH ASSOCIATE – WEATHER EVENT TRAINING**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently seeking a Research Associate to collaborate with scientists, instructors and developers at the National Weather Service (NWS) Warning Decision Training Division (WDTD) in Norman, OK, in creating weather event training simulations for the United States Air Force (USAF) and NWS forecasters.

The duties of this position are:

1) Develop technical expertise with the AWIPS-2 (Advanced Weather Interactive Processing System) software.
2) Modify AWIPS configurations to mimic weather displays used by USAF weather forecasters.
3) Create a library of training simulations on particular weather events to be used by both USAF and NWS forecasters.

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[http://www.eaps.purdue.edu/](http://www.eaps.purdue.edu/)
4) Adapt the Weather Event Simulator software for potential use on the NWS operational hardware and software platforms.
5) Acquire skills in operation of Linux and Windows workstations and virtual machines.
6) Participate in experimental warning/forecast exercises and WDTD training workshops.
7) Review technical/professional publications and attend seminars to stay abreast of current developments in meteorological software applications.
8) Perform related duties as assigned.

The minimum qualifications for the position are:

1) A Master’s Degree in Meteorology, Atmospheric Science, or related area; or
2) A Bachelor’s Degree in Meteorology, Atmospheric Science, or related area and at least three years fulltime related experience.

Emphasis will be placed on applicants with severe weather or AWIPS experience.

[See attached flier for complete details]

**CIMMS RESEARCH SCIENTIST AT THE STORM PREDICTION CENTER – POSITION #1**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) is currently looking for multiple Research Scientists to work with the NOAA/NWS Storm Prediction Center (SPC). These positions will work at the SPC in Norman, OK, which is located within the National Weather Center (NWC), a highly collaborative operational, research, and academic environment containing a number of NOAA and OU organizations. Here, you will work directly with development meteorologists and operational forecasters at the SPC and will have opportunities to interact with NOAA and academic scientists within both the NWS and the broader meteorological community.

[See attached flier for more information]

**FACULTY POSITION IN ATMOSPHERIC CHEMISTRY AND/OR DYNAMIC METEOROLOGY**

The University of Oklahoma (OU)’s School of Meteorology invites applications for a tenure-track faculty position at the Assistant Professor level to begin in the academic year of 2020-2021. The School is seeking candidates with a research focus in one or more of the following areas: observations of atmospheric composition; atmospheric dynamics of weather systems at any scale. Candidates with expertise on related topics are also encouraged to apply. Applicants must demonstrate an exceptional potential to establish a strong research program in atmospheric science. Equally important, they must have a commitment to excellence in teaching and mentoring at the undergraduate and graduate levels, as well as to diversity, inclusion, and equity, plus a strong desire to participate in service to the School, University, and atmospheric science community. Applicants should have completed their PhD by the time of appointment.

[See attached flier for complete information]

**ASSISTANT PROFESSORS IN METEOROLOGY AND PHYSICAL/COASTAL OCEANOGRAPHY**

The Department of Ocean Engineering and Marine Sciences at the Florida Institute of Technology invites applications for two tenure- or teaching-track faculty positions in Meteorology and Physical/Coastal Oceanography with an expected starting date in August 2020. The
positions are posted at the assistant-professor level, but exceptional candidates with appropriate levels of experience may be considered for appointment at the associate level.

The successful candidate for the Meteorology tenure track should have expertise in one or more of the following areas: coupled ocean-atmosphere modeling, land-atmosphere modeling, and observations using satellite data; radar meteorology; tropical/mid-latitude meteorology; atmospheric electricity; boundary-layer meteorology; and data analysis and assimilation. Skillsets such as coupled-WRF modeling will be a plus.

The successful candidate for the Physical/Coastal Oceanography tenure track should have expertise in one or more of the following areas: coupled land-air-sea modeling, air-sea interactions and ocean-atmosphere boundary layer, coastal oceanography and meteorology, observations using satellite data, and data assimilation. Skillsets such as coupled-WRF modeling or COAWST will be a plus.

[Flier attached with additional information]

**CIMMS POSTDOCTORAL RESEARCH ASSOCIATE CLOUD PHYSICS**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Postdoctoral Research Associate position for projects funded by the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA), the Department of Energy (DOE) and the National Oceanic and Atmospheric Administration (NOAA). The Postdoctoral Research Associate will participate in and analyze data from experimental field projects seeking to obtain a better quantitative knowledge of the microphysical properties of clouds, to better understand cloud processes and to represent them in weather and climate models.

[See attached flier for more information]

**OPEN RANK PROFESSOR OF EARTH AND PLANETARY SCIENCES**

The Department of Earth and Planetary Sciences at Washington University in St. Louis invites applications for a tenure-track or tenured faculty position at the assistant, associate, or full professor rank, commensurate with experience, in the field of planetary science. The candidate is expected to perform research in the broad area of planetary surfaces and processes, have or seek active involvement in planetary science missions, and eventually assume leadership of the NASA Planetary Data System Geosciences Node at Washington University. The ideal candidate will employ quantitative tools and will integrate computational approaches with remotely sensed observations.

The successful candidate is expected to develop a vigorous, externally funded research program, maintain a strong publication record, advise students, provide outstanding teaching of undergraduate and graduate courses, and participate actively in departmental governance and university service. We seek candidates who will strengthen existing research programs in planetary science and remote sensing, as well as foster collaboration with scholars across the Washington University community.

[See attached flier for more information]

**POSTDOCTORAL FELLOW I**

Position Term: 1-Year, with the possibility of extension. This position is available for a qualified applicant to start right away.

Relocation: No relocation package is offered for this position.

Work Authorization: UCAR | NCAR can sponsor a work visa for this position.

Where You Will Work:
Located in Boulder, Colorado, the National Center for Atmospheric Research (NCAR) is one of the world’s premier scientific institutions, with an internationally recognized staff and research

[http://www.eaps.purdue.edu/](http://www.eaps.purdue.edu/)

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program dedicated to advancing knowledge, providing community-based resources, and building human capacity in the atmospheric and related sciences. NCAR is sponsored by the National Science Foundation (NSF) and managed by the University Corporation for Atmospheric Research (UCAR).

Formed in 2005, the Earth Observing Laboratory (EOL) is one of the seven laboratories of NCAR, the National Science Foundation’s Federally Funded Research and Development Center. EOL’s mission is to provide leadership in observing facilities, field project support as well as research and data services needed to advance the scientific understanding of the Earth system. EOL manages the majority of NSF’s Lower Atmosphere Observing Facilities (LAOF) and deploys them in support of observational field campaigns, ranging from single investigator projects to large complex campaigns that involve multiple investigators, agencies, and platforms, nationally and internationally. EOL deploys its systems for research by scientists from universities, NCAR, and government agencies, as well as for education. An integral part of EOL’s mission is to develop the next generation of LAOF and to provide management and archiving of data from past supported campaigns. In order to ensure progress in the atmospheric sciences, EOL supports a wide-range of research areas within the Earth system science, ranging from microscale to mesoscale to climate process studies, and employs LAOF platforms and systems that reach from the surface of the Earth to the lower stratosphere and beyond.

EOL’s Remote Sensing Facility’s (RSF) mission is to serve the observational needs of the atmospheric science community by developing and deploying state-of-the-art radar and lidar instrumentation.

RSF is committed to providing and analyzing cross-cutting measurements in interdisciplinary research thereby continuing EOL’s leadership in the discipline of remote sensing. The combination of ground-based scanning and airborne remote sensors provides measurements of atmospheric parameters essential for realization of the societal and scientific benefits outlined in the EOL Strategic Plan. These high-resolution, large-domain, remotely-sensed observations of clear air and precipitation are otherwise unobtainable.

Please see link for additional information: https://ucar.wd5.myworkdayjobs.com/en-US/UCAR_Careers/job/Foothills-Lab-1/Postdoctoral-Fellow-I_REQ-2019-14-1

UNIVERSITY OF MISSOURI GEOLOGY FIELD CAMP

The University of Missouri Geology Field Camp is located in Sinks Canyon within the Shoshone National Forest, 7000 feet high in the Wind River Range, 9 miles south of Lander, WY. The facility is housed in log buildings, including dormitories for men and women, a well-equipped computer laboratory/classroom with satellite internet access, a student lounge and a large dining hall.

In-state tuition for all applicants, Estimated total cost (includes all tuition and fees) for summer 2020 is $4,500.

Wind River Range, Wyoming
May 24-July 4, Summer 2020

[See attached flier for complete information]

PURDUE APPLIED MICROBIOME SCIENCES (PAMS) FALL 2019 SEMINAR SERIES

11.21.19/10:00/AM/CRTN 1042: Jim Tiedje, Michigan State University Contact: Tim Johnson – john2185@purdue.edu
Interrogating Risk on the Environmental-Clinical Antibiotic Resistance Continuum

12.12.19/3:45/PM WSLR 116: Tobin Hammer, University of Texas-Austin Contact: Thor Hansen – hanse125@purdue.edu Microbial Ecology of Bee and Butterfly Guts

[See flier attached for additional information]

DATA SCIENTIST POSITION

DTN is a global leader providing insights and analytics to our customers who feed, protect, and fuel the world. The data science team at DTN currently has an opening for an individual with a passion for learning and solving challenging problems.

http://www.eaps.purdue.edu/
As part of the team you will:
• Gain experience in all areas of data science
• Tackle a wide variety of problems in weather, agriculture, energy, and finance
• Explore our unique, proprietary datasets to find solutions to meaningful problems
• Work in a professional environment with passionate coworkers

Responsibilities:
• Quick feasibility checks with go/no-go recommendations
• Data exploration to identify and advance insight solutions
• Data cleaning
• Model development to support production solutions
• Visualization generation
• Outcome presentation to senior leadership
• Model evaluations and recommendations

Requirements:
• Machine Learning Experience (Supervised/ Variety of Techniques)
• Python Programming Experience
• Experience with some of the common machine learning toolkits: Scikit-Learn, Numpy, Scipy, Pandas, Matplotlib, Tensorflow, Keras
• Mathematics/Probability/Statistics Understanding
• MS/PhD in math, CS, engineering, or related field
• 2+ years of relevant experience in a data science or machine learning role
• Evidence of past projects or experience may be considered in lieu of formal work experience
• Independent, Self-Directed
• Fast learner
• Good Communication Skills
• Experience building weather-driven models a plus

Why DTN?
OUR VISION: To be the independent, trusted source of insights to our customers who feed, protect, and fuel the world.

OUR MISSION: Empower our customers with intelligent and actionable insights that exceed their expectations and enable their success on a daily basis.

OUR VALUES: Customer Delight, Education, Teamwork, Colleague Focus, Innovation, Integrity

We have great benefits at DTN – apply today to find out more!

DTN is an Equal Opportunity Employer
Minorities/Women/Veterans/Disabled

For complete information go to:

POST-DOCTORAL SCHOLAR POSITION

The Department of Civil and Environmental Engineering and Earth Sciences (CEEES) at the University of Notre Dame, in partnership with the Environmental Change Initiative at the University of Notre Dame, and the University of Illinois at Urbana-Champaign, seeks to hire a postdoctoral scholar to conduct foundation research on South Asian Monsoon dynamics using high-resolution climate models.

For complete information please go to:
https://environmentalchange.nd.edu/opportunities/employment/

STUDENT-RUN GRIEF AND LOSS GATHERING

Actively Moving Forward is a student run organization focused on providing support to Purdue students experiencing grief. We meet bi-weekly to share our experiences and be comfortable with our grief. We would like all students going through this painful process to have access to our group and support. It is likely that grieving students will talk to academic advisors about loss first, so we would like to provide resources to help advisors meet the needs of their students.

[See flier attached for more information]

FIELD TECHNICIAN POSITION AT THE NEW YORK STATE MESONET

The New York State Mesonet (nysmesonet.org) is currently seeking to hire a Field Technician. This is a good position for someone who enjoys field
MULTIPLE OPENINGS AT NCICS ASHEVILLE

NCICS is currently seeking candidates for the positions listed below. The current postings are available below and also at this link:

• Research Associate (Climate Data Analyst)
The Research Associate (Analyst) will independently support, develop, design, and/or execute moderately complex research activities involving large scale environmental data sets; participate in the scientific analysis of re-analyzed data sets to improve data quality and advance the interpretation of in situ and remotely sensed observations; independently perform climate data collection and analysis; and participate in formulating research methods approaches, suggesting options for quality improvement and solutions.

• IT Network Administrator
The IT Network Administrator will design, implement, and manage computing and networking infrastructure to support a variety of programs and research efforts. This position is responsible for the performance, integrity, and security of Institute IT hardware, software and data holdings. The IT Network Administrator is also involved in planning, development, and troubleshooting and advises management on IT concepts, functional capabilities, parameters, and prototypes.

• Research Scholar – Software Engineer
The Software Engineer will provide expertise in scientific programming and data analytics to address the software engineering needs of the Institute’s Climate Assessment activities.

OPERATIONAL METEOROLOGIST JOB OPENING AT SOUTHERN CALIFORNIA EDISON

Southern California Edison is looking to hire new advisor level operational meteorologist. If you are interested, please follow the link to apply:
asset failure due to weather, fires and climate impacts.

- Lead projects with multiple work streams or complex tasks and provides direction to more junior staff in development and execution of situational awareness tools, fire prevention and monitoring, hazard modelling, and climate adaptation efforts etc.
- Ensures timely development of products needed to support the SA-Center, Business Resiliency and Operations. Reviews work product and mentors more junior team members.
- Supports the Energy Procurement and Management (EPM) organization through the operation, testing, and maintenance of quantitative forecasting, modeling and analysis tools, to produce data to support power procurement transactions, hedging, position management, regulatory reporting, bidding and resource optimization in energy markets.
- Reviews and provides guidance on the work of more junior staff.
- Maintains proficiency in and influences company operations through weather monitoring, forecasting and reporting.
- Works with the lead Meteorologist to identify requirements and opportunities for the team to work and train in the field with key stakeholders to maintain proficient knowledge of company operations.
- Works and trains with people in the field and key stakeholders from multiple organizations across the company to understand and learn about equipment, assets and business functions across the territory.
- Use knowledge to develop tools aimed at improving operational support.
- Routinely interacts with T&D Grid Operations, field operations and Fire Management personnel to gain and maintain knowledge of grid systems and develop relationships with field personnel and external stakeholders;
- Provides subject matter expertise and consults on projects across the company and internal to Business Resiliency.
- Develops relationships and key partnerships with meteorology, scientific and technology communities to align and continuously improve in-house weather forecasting skills, statistical weather forecasting models and information and tools need to support operations.
- Continuously improves in-house weather forecasting skills and statistical weather forecasting models; Works with vendors on improving their weather forecasting services;
- Completes own work independently;
- Works with the scientific community to maintain up to date expertise on state of the art modeling and empirical weather related monitoring technologies.
- Maintains proficiency in the use of all existing weather related technical tools and explores and implements new technical solutions used at SCE

Qualifications we need you to have……..
- Bachelors or Master’s degree in meteorology, atmospheric sciences or a related technical area of study.
- Seven years of experience in weather forecasting and analysis
- Experience communicating how extreme weather events effect the environment.

Other qualifications that will set you up for success…….
- Experience using GIS systems and programming in languages such as python and matlab
- Graduate degree in meteorology, atmospheric sciences or a related technical discipline
- Ten years of academic or work experience in weather forecasting and statistical analysis.
- Experience integrating various weather outlooks and briefing users on uncertainties and impacts.
- Experience forecasting one to seven-day ahead surface temperature and forecasting weather utilizing a wide variety of observational and model data, both at surface and upper air.
- Experience analyzing renewable power production (wind, solar, hydro) and how weather impacts those resources.
- Extensive knowledge of NWS system and demonstrated experience using National Oceanographic and Atmospheric Administration (NOAA) products.
- Ability and experience with configuring and running WRF model.
- Experience performing statistical analysis and modeling.
- Experience using SAS, R, or other tools for statistical analysis and forecasting.
- Weather forecasting experience for California and the Western United States.
- Experience forecasting for conditions pertaining to or around wildfires.

http://www.eaps.purdue.edu/
• Experience with long-term (month ahead or more) weather forecasting.
• Electric/Gas Utility work experience.
• A broad understanding of power markets and the related regulatory requirements that govern SCE's participation in them by assisting strategy development to increase the value of SCE resources and lower customer costs.
• Fire weather forecasting experience.
• Experience preparing findings and presenting complex technical information to technical and nontechnical audiences.
• Experience using Microsoft Word, Excel, Access and PowerPoint.

Comments
• You are legally authorized to work directly as employees for any employer in the United States without visa sponsorship.
• We offer a Total Rewards Package that includes things like a wide selection of health plans, preventative health reimbursement, 401(k) savings plan with company match and automatic company contributions, tuition reimbursement, professional development, volunteer programs, employee assistance program, electric service discount, and many more perks!
• Relocation may be offered for this position

METEOROLOGIST IN SILVER SPRING, MD

This position is located in the National Weather Service (NWS), Analyze, Forecast and Support Office (AFSO), Analyze and Mission Support Division (AMSD), Analysis and Nowcast Branch (ANB) with one vacancy in Silver Spring, MD.

As a Meteorologist, you will perform the following duties:

Serve as a technical authority on validating various tools and models pertinent to the Analysis and Nowcast for the ANB.

Collect, process and analyze forecast field' needs and help develop them into requirements to identify and fill gaps in analysis and short-term (0-18 hour) forecasting.

Develop and implement validation algorithms for 0-18 hour forecasting tools and innovations in order to improve critical forecasting capabilities to meet the needs of NWS forecasters.

Collaborate with the Office of Science and Technology Integration's OPG (Operations Proving Ground) and NOAA Testbeds on research to operations (R2O) processes to implement tools and techniques for operational use.

Communicate with state/local officials, policy experts, and the media to negotiate technical approaches to problems, further preparedness programs, and negotiate and explain service levels.

For complete details go to: https://www.usajobs.gov/GetJob/ViewDetails/538341500

POSTDOCTORAL RESEARCH ASSOCIATE I

Seeking Postdoctoral Researcher(s) to work on NASA funded projects to further develop data assimilation capabilities with the Community Land Model using the Data Assimilation Research Testbed to improve our understanding of the global carbon cycle. This position will be located at the national Center for Atmospheric Research in Boulder, CO. Details here: https://uacareers.com/postings/37793.

ASSOCIATE SCIENTIST, EARTH SCIENCES

Entry level MS position supporting GPM at NASA Goddard.

In this position, the researcher will conduct research to advance ground validation activities for the NASA Global Precipitation Measurement (GPM) mission. The research will fall into three task areas: (a) characterizing uncertainties in satellite and ground-based (radar, dense gauge networks) rainfall estimates over a broad range of space/time scales; (b) using data from synergistic missions/sensors (e.g. SMOS, SMAP, GRACE, MODIS) to characterize correct detection or false alarms in GPM products; and (c) characterizing uncertainties in hydrologic models and understanding propagation of input uncertainties into model forecasts. The research involves work on retrospective regional analysis, retrospective

http://www.eaps.purdue.edu/
global analysis, and real-time global analysis. The researcher will leverage existing open source modeling platforms including NASA’s Land Information System (LIS) to conduct these analyses.


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**KAVLI CIVIC SCIENCE FELLOW**

**Are you passionate about civic science, including science outreach, communication, and public engagement? We, a collaboration of scientific societies, are looking for someone to lead an initiative that will increase the support and incentives for scientists who incorporate civic science into their work.** The Kavli Civic Science Fellow is an ideal position for someone who has experience in civic science and is looking for an opportunity to think more broadly about advancing the field. This fellowship presents a remarkable opportunity to work with leaders across multiple scientific societies, while ultimately, influencing the culture of science and its relevance to society.

The American Society for Cell Biology (ASCB), the American Association for the Advancement of Science (AAAS), the American Geophysical Union (AGU) and Research!America are partnering to support the work of a Kavli Civic Science Fellow who will work across multiple scientific societies to connect, and advance the societies’ collective support so that scientists are empowered to undertake civic science activities. As part of their work, the Kavli Civic Science Fellow will follow a collective impact model that will rely on strategizing, data collection, and analysis and team building. The goal of the fellowship is to lay the groundwork for a more cohesive whole among societies, as they work towards influencing long-term culture change within the scientific enterprise to increase value and support for meaningful civic science engagement. This position is an 18-month fellowship.

The Kavli Civic Science Fellow will have the opportunity to shape the activities of the fellowship, with leaders from multiple scientific societies, to meet this larger goal. By working with a wide range of scientific societies, the Kavli Civic Science Fellow along with the scientific societies will set a common agenda, which establishes an agreed understanding of the problem and a shared vision of change. They will then work to establish common progress measures and mutually reinforcing activities.

Some of the activities that may be undertaken by the Kavli Civic Science Fellow in collaboration with representatives from the scientific societies may include:

- Conduct a landscape assessment of scientific societies’ visions, goals, capabilities, programs and opportunities related to civic science.
- Recommend ways in which scientific societies can leverage their strengths and authorities to encourage academic and funding institutions to provide deeper support for civic science—including altering their incentive structures.
- Highlight existing resources and speed the development of new resources that support scientific societies’ planning, implementation, and evaluation of civic science, including resources that societies make available to their members.
- Increase collaboration among scientific societies to accomplish work at the grassroots level and to find efficiencies in the existing system and leverage these efficiencies to better support societies of varying sizes and scales that want to encourage their members to do effective civic science engagement.

The candidate will also be part of the inaugural class of Civic Science Fellows. The Fellowship will embed emerging leaders from diverse backgrounds in organizations working at the many interfaces of science and society. Additional fellows will be hired by other organizations later this year. The benefits of being a Civic Science Fellow include access to a network of Fellows at other institutions, professional development in subject matter as well as leadership skills, and mentoring.

**Requirements**

- Master’s degree or higher in science, science communication or related field.

http://www.eaps.purdue.edu/
• Experience in an aspect of civic science: science outreach, public engagement, science communication.
• Experience in program or project management.
• Understanding of the culture of science and scientific societies or similar organizations is desirable.
• Strong written and verbal communication skills.
• Ability to work independently.
• Comfortable working with CEOs and with mid-level staff who run programs.
• Possess initiative, be entrepreneurial, and think strategically and long-term.

ASCB will be the fiscal and administrative home institution for the Fellow, who will spend time in several other societies located in the DC area in a series of 2 month rotations. This is an 18-month position. The salary for this fellowship is $80K per year plus benefits.

Please submit a cover letter with salary requirements and resume. Apply at: https://recruiting.paylocity.com/Recruiting/Jobs/Apply/118055

Linkel never forgot the experience. That’s why he attended the inaugural Green Zone Student Panel last fall. The event will be offered again from 2-4 p.m. on Wednesday, Nov. 13, in Lawson, Room 1142, and faculty and staff are invited to attend. During the panel, students will share personal stories aimed toward expanding participants’ understanding of the military-connected student experience.

“Even if you think you know, even if you are a member of a military family, you have something to gain from attending,” Linkel says. “Our military-connected students are navigating some of the most difficult bureaucratic scenarios our students face. When academic advisors and other student support professionals understand those complexities, it’s good for Purdue, good for our country, and most importantly, good for the students we work with.”

The event is free, but registration is required. Individuals may register for a session online. If the session you wish to attend is not visible on the registration page, the session is full.

In addition to the semiannual student panel, the Veterans Success Center (VSC) also offers more regular Green Zone training sessions. These sessions provide Purdue faculty and staff participants with the understanding and tools necessary to better serve the roughly 400 veteran and military students on Purdue’s West Lafayette campus. A nod to the heavily fortified zone in the center of Baghdad, Iraq, “Green Zone” refers to a location recognized by veterans as a safe place.

Linkel, who now serves as associate director of undergraduate programs for the Weldon School of Biomedical Engineering, says anyone on campus who works with students should consider attending an upcoming session, the nearest of which takes place from 10 a.m. to noon on Thursday, July 25, in Krach, Room 260.

Below is a full list of upcoming Green Zone opportunities:

Green Zone Student Panel: 2-4 p.m. Wednesday, Nov. 13, in Lawson, Room 1142
Green Zone: 10 a.m. to noon Tuesday, Dec. 17, in Grissom, Room 103

http://www.eaps.purdue.edu/
“Being aware of veteran students’ needs better prepares me to work with any student who has more going on than what’s visibly on the surface, whether a student may be experiencing things such as PTSD, anxiety, or other unseen disabilities,” Linkel says. “The more I educate myself, the more I realize there’s so much more out there to learn. I encourage everyone to get the training, be supportive, and be an ally.”

Individuals who would like to participate in Green Zone training but are unable to attend the scheduled sessions may contact Jamie Richards to schedule future offerings. Staff and faculty may also visit the Veterans Success Center (part of Student Success Programs), located in the Purdue Memorial Union, Room 284.

CELEBRATIONS

Ken Ridgway November 12

IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter is used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well.

Those using paper copies of the newsletter should go to our newsletter archive on the EAPS website at http://www.eaps.purdue.edu/news/newsletters.html and Click on News to access active links as needed. Material for inclusion in the newsletter should be submitted to Katherine Huseman (khuseman@purdue.edu) by 5:00pm on Thursday of each week for inclusion in the Monday issue.

If it is in the newsletter, we assume you know about it and no other reminders are needed. For answers to common technology questions and the latest updates from the EAPS Technology Support staff, please visit: http://www.eaps.purdue.edu/resources/information_technology/index.htm.

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://www.EAPS.purdue.edu/events-calendar.html.

http://www.eaps.purdue.edu/
Our quantitative understanding of the aerosol impact on climate still has large gaps and hence introduces large uncertainties in climate predictions. One of the challenges is the inherently multi-scale nature of the problem: the macro-scale impacts of aerosol particles are governed by processes that occur on the particle-scale, and these microscale processes are difficult to represent in large-scale models. An important quantity in this context is the so-called aerosol mixing state, which we define as the distribution of the aerosol chemical species over the population. It is not clear to what extent mixing state information needs to be represented in atmospheric aerosol models in order to capture aerosol impacts on climate. Progress on this question has been hampered by our lack of suitable metrics for aerosol mixing state, and suitable models that are able to resolve and simulate mixing state. In this seminar I will present a framework to quantify the aerosol mixing state impacts on climate. This includes a metric for aerosol mixing state, which is based on diversity measures derived from the information-theoretic entropy of the chemical species distribution among particles. I will illustrate how this metric can be used with single-particle measurements to determine aerosol mixing state from field observations. Lastly, I will introduce a stochastic, particle-resolved modeling approach that is capable of tracking the evolution of the full aerosol mixing state. I will demonstrate the usefulness of this approach by focusing on the aging process of black-carbon-containing particles.
MODESTO WINEGROWING INTERNSHIP PROGRAM – STEM & AGRICULTURE MAJORS
6 MONTHS

Why Gallo?
Named a Glassdoor "Best Places to Work" three years in row, we couldn't be prouder of our company culture. As the largest family-owned winery in the world with over 100+ unique wine and spirits brands, our products are synonymous with life’s special occasions. Come celebrate with us! Your Talent & Gallo | A Perfect Pairing

Interview Process and Timing
Submit an application on this link (https://tinyurl.com/CVWG2020) to be considered for the program. Once your application is received, you will get a survey link from HR to tell us your placement preferences, based on the areas outlined below. If you are considered, HR will schedule an interview. If selected for the program, you will receive an offer. Offer and placement will be based on your preferences, our assessment of where your skills will make you most successful, and business need.

Winegrowing Internship Program – STEM & Agriculture Majors
Imagine what you could do with the industry’s most innovative grape growing practices and winemaking technologies at your disposal, while learning first-hand how high quality wines and spirits are produced. Interns work cross-functionally to support the research projects and production practices required to produce nearly 100 million cases of wines and spirits. It won’t take long for you to see our passion and expertise for winegrowing, or to experience our culture where innovation and continuous improvement are highly valued. For nearly a century our winegrowing team has walked vineyards, made award winning wines, and advanced cutting-edge technologies, establishing E&J Gallo as the world’s leader in wine and spirit innovation.

Internship Program Overview
Our internship program provides students interested in grape and wine production and research the opportunity to spend five to six months working alongside seasoned professionals at one of our many California production sites. Most internships overlap with our grape harvesting efforts, early/mid-summer through late fall, which provide a fruitful experience for learning and developing. Interns support critical harvest efforts as well as complete and present a project to our Winegrowing Leadership team. Ten different internship opportunities are available in Research, Grape Production, Grower Relations, Winemaking and Spiritsmaking (more details on specific opportunities provided below).

What You Need
Minimum Qualifications
- High school diploma or State-issued equivalency certificate.
Currently enrolled at a college or university and working towards a Bachelor’s degree or Master’s degree in the school of Life Sciences, Agricultural Sciences, or Engineering.

- Strong applied technical skills and analytical problem-solving skills.
- Good oral and written communication skills.
- Candidates for this position must have a valid driver’s license and a safe driving record. Required to obtain a California driver’s license or appropriate state driver’s license within 30 days of hire.
- Reliable transportation to and from work.
- Required to lift and move up to 40 lbs. when necessary
- Required to work at heights of 50 feet, on tops of tanks inspecting wine surfaces when necessary.
- The position requires availability to work evenings, weekends and holidays when necessary.

Preferred Qualifications
- Junior or Senior class standing at a college or university and working towards a Bachelor’s degree in the school of Life Sciences, Agricultural Sciences, or Engineering.
- Excellent organizational and team skills and experience managing multiple assignments.
- Comfortable in a manufacturing environment.
- Mechanical inclination and an aptitude for design of equipment and manufacturing processes.

Physical Demands and Work Environment
- Inside/Outside conditions: During crush, work estimated at least 50% (but not limited to) outside with weather of varying types.
- Must be able to lift and carry 40 pounds.
- Wet/Slippery conditions vary and may include work in rain.
- Noise levels may vary. Occasional situations where ear protection is required.

*Gallo does not sponsor for employment based visas for this position now or in the future.

Internship Opportunities Available:

**RESEARCH**

Viticulture, Chemistry and Enology (VC&E) is the research arm of Gallo Winegrowing. Interns work with world class scientists on cutting edge experimentation involving grape growing, winemaking, grape and wine chemistry, fermentation and systems biology.

**VITICULTURE RESEARCH**

Location: Modesto and Healdsburg

Viticulture interns assist in research projects focused on the improvement of grape production practices. Topics include precision viticulture, yield forecasting, irrigation, mechanization, harvest timing, clonal and variety evaluation, grape genetics and grape phenotyping. This work is closely linked to and supported by our other research groups, as well as by internal production groups and external research partners from industry and academia.

What you will do:
- Measurement of vine growth and development, including canopy microclimate and leaf area.
- Determination of vine physiology parameters including water status and canopy photosynthesis.
- Monitor grape aroma, flavor and color development during berry ripening.
- Evaluation of potential bud fruitfulness via bud dissection during dormancy.
- Measurement of grapevine yield components at harvest.
- Remote sensing and GIS field mapping.
- Genotyping and phenotyping of key grape yield, quality, and environmental adaptation traits.

**RESEARCH WINERY**
Location: Modesto
Interns will assist in all aspects of small-lot wine production in our Modesto based Research Winery, producing over 500 table, sparkling and dessert wines per season. Interns work hands-on – from crush to bottling – in every step of the winemaking process. The facility supports the statewide research program, allowing interns to produce wines from grapes grown in every major winegrowing region of California. Interns will also gain experience in producing a wide variety of wine styles and types, including white and red table, sparkling and dessert wines. Interns will also work with over 100 different grape varieties and gain experience with a wide range of grape processing and winemaking methods.

What you will do:
- Grape receiving, crushing, and pressing
- Fermentation monitoring, filtration, ingredient additions and post-fermentation treatments.
- Assist with bench, pilot, and plant scale experiments, including recording and documenting data
- Bottling

**PILOT WINERIES**
Locations: Livingston and Healdsburg
Interns will perform hands-on research wine production at a multiple hundred-gallon scale. The facilities execute dozens of winemaking projects per year. These facilities focus on grape and wine processing objectives that are specific to the region of the facility. Interns will also gain experience in producing a wide variety of wine styles and types. The pilot wineries are located within our large-scale production facilities, allowing interns to see first-hand how production practices in winemaking change as production scale increases.

What you will do:
- Grape receiving, crushing, and pressing
- Fermentation monitoring, filtration, ingredient additions and post-fermentation treatments.
- Assist with bench, pilot, and plant scale experiments, including recording and documenting data

**CHEMISTRY RESEARCH**
Location: Modesto
Interns will assist in daily research and production support activities involving grape and wine chemistry. Students gain hands-on experience in a commercial laboratory and with state of the art analytical equipment, enhancing the skills and experience necessary for graduate school and/or future
employment. Interns participate in team projects that contribute to the improvement of commercial processes and grape and wine quality.

What you will do:
- Evaluating the chemical characteristics of grapes throughout their maturation process.
- Implementing rapid chemical methods to measure and monitor juice and wine attributes.
- Correlating chemical data with Sensory attributes.
- Chemically characterize grapes and wines for important compositional parameters.
- Statistically analyze data.

FERMENTATION AND BIOLOGICAL SYSTEMS
Location: Modesto
The Fermentation and Biological Systems team uses a multi-disciplinary approach to study the biology of grape growing, fermentation and winemaking. This integrative approach is necessary to understand the complex interactions occurring between grapevine and yeast at the molecular level. The research findings are used in an applied manner to develop new processes and production practices. Interns will assist in research focused on the characterization of grapevines, yeast and winemaking processes to identify the impact on wine aroma and flavor.

What you will do:
- Monitor fruit ripening in the vineyard including sugar, acid and pH.
- Perform standard molecular biology laboratory techniques including the extraction of nucleic acids from grapes and yeast.
- Perform microbiology techniques including the identification and maintenance of yeast strains.
- Perform RTqPCR, protein and nucleic acid electrophoresis, exclusion chromatography and spectroscopy.

ENOLOGY RESEARCH
Location: Healdsburg
Interns will assist in daily research and production support activities, gaining valuable experience in all aspects of the winemaking process including grape processing, fermentation and aging. Interns also work as part of the winery’s laboratory staff to analyze grapes, fermentations and wines.

What you will do:
- Crush and process grapes, monitor fermentations, ingredient additions, cap management and barrel aging.
- Assist with bench, pilot, and plant scale experiments, including documenting and organizing data.
- Chemically analyze grapes, fermentations and wines and draw conclusions from those results.

WINE GRAPE PRODUCTION - GALLO VINEYARDS, INC (GVI)
Gallo Vineyards, Inc. (GVI) owns and operates 14 vineyards in Sacramento, San Joaquin, Stanislaus, Merced, Madera and Fresno Counties, encompassing thousands of acres. GVI Central Valley is responsible for planting, farming and harvesting these company owned vineyards in Central California utilizing sustainable farming practices and employing the latest technology. GVI strives to produce the highest quality wine grapes using technologically advanced production techniques.
**GALLO VINEYARDS**

Location: Livingston and Fresno

Interns will support the many different areas of our Winegrowing Operations including general viticulture, irrigation management, pest control, tractor and spray operations, new equipment development and cultural operations.

What you will do:

- Use GPS technology and the Geographical Information Systems to implement precision farming and map vineyard infrastructure.
- Pest and disease scouting and help draft treatment thresholds for specific pests.
- Assist with the design, layout, and planting of a new vineyard block.
- Assist with harvest activities including maturity sampling, harvest equipment preparation and quality control of mechanically and hand-harvested fruit.
- Data collection and analysis for GVI viticulture experiments.

**GROWER RELATIONS**

Gallo Grower Relations works with thousands of growers throughout the Central Valley. Grower Relations strives to produce the highest quality wine grapes using technologically advanced production techniques while maintaining important business relationships.

**GROWER RELATIONS**

Location: Fresno and Lodi

Interns will support our Grower Relations team including GIS/map building and analysis, grower outreach, crop estimation, pest and disease scouting, harvest scheduling and delivery coordination.

What you will do:

- Use GPS technology and the Geographical Information System to implement precision farming and map vineyard infrastructure.
- Scout pests and diseases and help draft treatment thresholds for specific pests.
- Assist with harvest activities including maturity sampling, harvest equipment preparation and quality control of mechanically and hand-harvested fruit.

**WINEMAKING & SPIRITSMaking**

Gallo’s wine and spirits making teams are responsible for the production of nearly 100 million cases of wines and spirits. The work is fast paced, as interns receive a first-hand look at how wines and spirits are produced, from grape processing to bottling.

**WINEMAKING**

Location: Modesto, Fresno and Livingston

Interns will learn from numerous winemakers making a variety of table wines, sparkling wines, flavored wines and beverages in commercial production.

What you will do:

- Participate in tastings and sensory evaluations.
- Participate in production, evaluation and bottling of commercial wines and beverages.
- Perform fining and other winemaking trials and experiments.
- Perform laboratory scale blending.
- Participate in harvest activities including, but not limited to, sample acquisition, production trials, and fermentation evaluations.

**SPIRITSMAKING**
Location: Modesto and Fresno
The internship gives students the opportunity to learn from numerous distillers producing a variety of spirits. Spirits-making is an area of growth for Gallo as a company. The environment is dynamic as we learn how to distill and craft new styles of beverages.

What you will do:
- Participate in spirits tasting and sensory evaluation.
- Manage bench-scale trials and experiments.
- Research and execute process improvements in making and managing our spirits portfolio.
- Monitor fermentation and distillation facilities during harvest.

Equal Employment Opportunity
E&J Gallo Winery

Now hiring students for paid internships for

STEM and Agriculture Majors

In the areas of Viticulture, Winemaking, Spiritsmaking, Food Science, Fermentation, Chemistry, Grape Breeding, Biochemistry, Enology, Microbiology & more

Come to our information session and reception to learn more:

Wednesday, November 13th 6:00 pm – 7:00 pm

Lilly Hall, Room 2102

Food and Drinks Provided!

Please submit your Resume for review and sign up for interview before Nov 12th

Contact Hui Chong : huihui.chong@ejgallo.com

You can also bring your Resume to the event. On campus interviews on Nov 14th
Are you a current student or recent graduate looking for a paid STEM internship or research opportunity?

ORISE Virtual Recruitment Fair

The Oak Ridge Institute for Science and Education (ORISE) Virtual Recruitment Fair will showcase more than twenty-five U.S. Department of Energy (DOE) sponsored programs across the DOE complex including headquarters, laboratories, field offices, and more.

Discover opportunities for students, recent graduates, and faculty. During the Virtual Recruitment Fair, you can chat with recruiters and scientists, and explore booths representing programs in energy-related research, policy and technology.

Find the opportunity you’ve been looking for!

Showcasing over 25 DOE sponsored programs in energy-related research, policy and technology!

November 13, 2019

12–3 p.m. EST

https://orau.6connex.com/event/LIVE/DPP19Q4/login
2019 College of Science
Graduate Student International Travel Awards

Deadline: December 6, 2019

For travel between January 1, 2020 and May 31, 2020

~ 2 or 3 awards ranging up to $800
for international travel will be awarded~

Prerequisites:
• must be a full-time PhD student within
a Department in the College of Science
• must be making an oral or poster
presentation at an international conference

Priority will be given to:
• travel to make an oral presentation at a conference
• attendance at an interdisciplinary conference
• students who have passed their prelims

To apply, please send electronically as one file:
• CV (2 page limit)
• brief summary of research (1 page limit)
• brief statement of purpose for attending conference specifying
  whether your presentation is oral or poster
• provide web link to conference
• letter of support from research advisor

Send applications to Carie Herbst at herbstc@purdue.edu
Join Purdue's Earth, Atmospheric, & Planetary Sciences department at:

2019 Annual EAPS Passport Day

Saturday, November 16
10 am - 3 pm

Imagination Station
600 N 4th St, Lafayette, IN
*Admission $2/person
(Under 2 years free)

Take a journey through the natural sciences!
Practice your scientific skills with 12 hands-on activities!
Complete them all to win cool prizes and the title of Junior EAPS Scientist!

Contact: Bradley Garczynski (bgarczyn@purdue.edu); Disha Okhai (dokhai@purdue.edu)
HYDROLOGY/FISHERIES FACULTY POSITION

Department of Hydrology
Salish Kootenai College
Pablo, Montana

Salish Kootenai College Department of Hydrology is seeking a full time hydrology instructor with fisheries experience in applied hydrological measurements, fluvial processes, general fisheries biology and hydrological and fisheries management tools for natural and cultural resource management for tribal organizations. The minimum requirements will be an M.S. (PhD preferred) in Hydrology, Fisheries, Geoscience, or closely related degree. If you are interested or have additional questions please contact Dr. Antony Berthelote, Hydrology Department Head, 406-275-4080, antony_berthelote@skc.edu

Work for the only Hydrology Bachelor’s degree program at a Tribal College or University

Students can earn A.S. or B.S. Degrees in Hydrology, Wildlife & Fisheries, or Forestry

Complete job announcement and deadlines at: skc.edu/employment

Learn more about SKC’s Natural Resources Departments at naturalresources.skc.edu
Salish Kootenai College seeks applicants for
Hydrology/Fisheries Instructor

For a complete position description contact:
Human Resources, 406-275-4985

Salary Range:
$40,000 to $47,000

Closing Date:
11/4/2019

GENERAL SUMMARY:
In accord with the Salish Kootenai College Mission Statement and College Vision, the Division of Natural Resources seeks to hire a hydrology instructor with fisheries experience in applied hydrological measurements, fluvial processes, general fisheries biology and hydrological and fisheries management tools for natural and cultural resource management for tribal organizations.

MINIMUM QUALIFICATIONS:
- Master’s Degree in a field related to natural resources
- Three years’ experience in a natural resource field
- Experience mentoring and supporting Native students or co-workers
- Demonstrated ability to function collegially in a team setting and to work cooperatively with faculty and staff
- Demonstrated ability to learn new technologies, software and methods relevant to natural resource management and incorporate them into classes
- Ability to safely engage/participate in field based classes that can be physically challenging, require specialized safety training, and require safe driving skills in off road situations

To apply submit SKC application, resume and applicable transcripts to Human Resources, P.O. Box 70, Pablo, MT 59855. As an Equal Opportunity/Affirmative Action employer, we encourage applications from minorities, veterans and women. SKC is a tribal member preference employer as set forth in SKC policy. SKC is a drug free workplace. All pre-hires must pass a drug test before formal hiring.
CIMMS Research Associate - Weather Event Training

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently seeking a Research Associate to collaborate with scientists, instructors and developers at the National Weather Service (NWS) Warning Decision Training Division (WDTD) in Norman, OK, in creating weather event training simulations for the United States Air Force (USAF) and NWS forecasters.

The duties of this position are:

1) Develop technical expertise with the AWIPS-2 (Advanced Weather Interactive Processing System) software.
2) Modify AWIPS configurations to mimic weather displays used by USAF weather forecasters.
3) Create a library of training simulations on particular weather events to be used by both USAF and NWS forecasters.
4) Adapt the Weather Event Simulator software for potential use on the NWS operational hardware and software platforms.
5) Acquire skills in operation of Linux and Windows workstations and virtual machines.
6) Participate in experimental warning/forecast exercises and WDTD training workshops.
7) Review technical/professional publications and attend seminars to stay abreast of current developments in meteorological software applications.
8) Perform related duties as assigned.

The minimum qualifications for the position are:

1) A Master’s Degree in Meteorology, Atmospheric Science, or related area; or
2) A Bachelor’s Degree in Meteorology, Atmospheric Science, or related area and at least three years fulltime related experience.

Emphasis will be placed on applicants with severe weather or AWIPS experience.

Applicants should identify expertise within any of the following areas: experience in teaching/training, operational experience related to weather forecasting and warning techniques; warning-related inputs such as radar, satellite, lightning, models; use and/or configuration of weather analysis software (such as AWIPS); graphic design or illustration; project management/teamwork; oral and written communication, including collaboration tools; Linux operating systems, shell scripting or software/hardware support.

Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments, or workshops conducted at remote sites. Incumbents will receive training and gain expertise in the latest training technology and warning decision-making methodologies.

Supervision will be provided by CIMMS staff. Technical oversight will be provided by CIMMS staff, NWS meteorologists, and WDTD management. The incumbent will work under general
supervision but is expected to determine action to be taken in handling all but unusual situations. Incumbents in this position are not expected to supervise other employees, but may serve as leaders of technical teams.

The beginning salary will be based on qualifications and experience with full benefits (insurance and retirement) and a generous leave policy provided through The University of Oklahoma (https://hr.ou.edu/). The start date for the position is negotiable.

To apply for the position, please forward your resume, cover letter and list of three references to:

    CIMMS Careers
    University of Oklahoma
    120 David L. Boren Blvd., Suite 2100
    Norman, OK 73072-7304
    CIMMS-careers@ou.edu
    JOB REFERENCE: WDTD-USAF

*The University of Oklahoma is an equal opportunity/Affirmative Action employer.*
CIMMS Research Scientist at the Storm Prediction Center
Hazardous Weather Research (Multiple Positions)

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) is currently looking for multiple Research Scientists to work with the NOAA/NWS Storm Prediction Center (SPC). These positions will work at the SPC in Norman, OK, which is located within the National Weather Center (NWC), a highly collaborative operational, research, and academic environment containing a number of NOAA and OU organizations. Here, you will work directly with development meteorologists and operational forecasters at the SPC and will have opportunities to interact with NOAA and academic scientists within both the NWS and the broader meteorological community.

As a CIMMS Research Scientist working with SPC, you will provide scientific and meteorological expertise, along with technical support for the development of advanced mesoscale hazardous weather prediction techniques. More specifically, the list below describes potential projects:

1. Developing and/or improving calibrated probabilistic forecast guidance for the prediction of thunderstorms, severe weather, and fire weather, covering the following forecast periods:
   a. Subseasonal-to-seasonal (S2S), especially Week 2
   b. Medium-to-extended range (Days 3-8)
   c. Short range (Days 1-2), using convection-allowing model (CAM) ensembles
   d. Nowcasting (out to a few hours), using observations, analyses, and a prototype Warn-on Forecast System (WoFS)

2. Extracting information from high-resolution numerical weather prediction models for severe weather and fire weather applications
3. Statistical modeling of societal impacts derived from the current and future SPC forecast suite
4. Facilitating and executing experiments in the Hazardous Weather Testbed (HWT)
5. Collaborating with scientists at NSSL and EMC on WoFS-related research to link FV3 CAM development activities with operational testing and implementation

The minimum qualifications for the position are:

1) A Doctorate Degree in Meteorology, Atmospheric Science, or related area;
2) United States citizenship or permanent residency.

When applying, please indicate your preference(s) as to which project areas in which you are interested. Additionally, please include information related to your experience in software development, web development, graphic design/visualization, and Linux (UNIX) environments including the AWIPS2/N-AWIPS systems. Your ability to communicate clearly is of utmost importance.

Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments, or workshops conducted at remote locations. General supervision will be provided by CIMMS staff with technical oversight provided by SPC.
management. You will work under general supervision but are expected to work independently and determine action to be taken in handling all but unusual situations. This is a non-supervisory position, although you may serve as a leader of technical teams. Salary is based on your education, experience, skills, and knowledge. Information on University of Oklahoma benefits may be found at https://hr.ou.edu.

To apply, please forward your resume or CV, cover letter, and list of three references to:

University of Oklahoma
CIMMS Careers
120 David L. Boren Blvd., Suite 2100
Norman, OK 73072-7304
Attention: SPC-RS
CIMMS-careers@ou.edu

The University of Oklahoma is an Equal Opportunity/Affirmative Action employer.
CIMMS Research Associate at the Storm Prediction Center
Hazardous Weather Research (Multiple Positions)

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) is currently looking for multiple Research Associates to work with the NOAA/NWS Storm Prediction Center (SPC). These positions will be located at the SPC in Norman, OK, which is located within the National Weather Center (NWC), a highly collaborative operational, research, and academic environment containing a number of NOAA and OU organizations. Here, you will work directly with development meteorologists and operational forecasters at the SPC and will have opportunities to interact with NOAA and academic scientists within both the NWS and the broader meteorological community.

As a CIMMS Research Associate working with SPC, you will provide scientific and meteorological expertise, along with technical support for the development of advanced mesoscale hazardous weather prediction techniques. More specifically, the list below describes potential projects:

1. Developing and/or improving calibrated probabilistic forecast guidance for the prediction of thunderstorms, severe weather, and fire weather, covering the following forecast periods:
   a. Subseasonal-to-seasonal (S2S), especially Week 2
   b. Medium-to-extended range (Days 3-8)
   c. Short range (Days 1-2), using convection-allowing model (CAM) ensembles
   d. Nowcasting (out to a few hours), using observations, analyses, and a prototype Warn-on Forecast System (WoFS)
2. Extracting information from high-resolution numerical weather prediction models for severe weather and fire weather applications
3. Statistical modeling of societal impacts derived from the current and future SPC forecast suite
4. Facilitating and executing experiments in the Hazardous Weather Testbed (HWT)
5. Collaborating with scientists at NSSL and EMC on WoFS-related research to link FV3 CAM development activities with operational testing and implementation

The minimum qualifications for the position are:

1) A Master’s Degree in Meteorology, Atmospheric Science, or related area;
2) United States citizenship or permanent residency.

When applying, please indicate your preference(s) as to which project areas in which you are interested. Additionally, please include information related to your experience in software development, web development, graphic design/visualization, and Linux (UNIX) environments including the AWIPS2/N-AWIPS systems. Your ability to communicate clearly is of utmost importance.

Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments, or workshops conducted at remote locations. General
supervision will be provided by CIMMS staff with technical oversight provided by SPC management. You will work under general supervision but are expected to work independently and determine action to be taken in handling all but unusual situations. This is a non-supervisory position, although you may serve as a leader of technical teams. Salary is based on your education, experience, skills, and knowledge. Information on University of Oklahoma benefits may be found at https://hr.ou.edu.

To apply, please forward your resume or CV, cover letter, and list of three references to:

University of Oklahoma
CIMMS Careers
120 David L. Boren Blvd., Suite 2100
Norman, OK 73072-7304
Attention: SPC-RA
CIMMS-careers@ou.edu

*The University of Oklahoma is an Equal Opportunity/Affirmative Action employer.*
The University of Oklahoma (OU)’s School of Meteorology invites applications for a tenure-track faculty position at the Assistant Professor level to begin in the academic year of 2020-2021. The School is seeking candidates with a research focus in one or more of the following areas: observations of atmospheric composition; atmospheric dynamics of weather systems at any scale. Candidates with expertise on related topics are also encouraged to apply. Applicants must demonstrate an exceptional potential to establish a strong research program in atmospheric science. Equally important, they must have a commitment to excellence in teaching and mentoring at the undergraduate and graduate levels, as well as to diversity, inclusion, and equity, plus a strong desire to participate in service to the School, University, and atmospheric science community. Applicants should have completed their PhD by the time of appointment.

The School is seeking to both retain its core strengths in mesoscale and radar meteorology and continue the recent diversification of its research portfolio. Recent faculty hires have included expertise in climate, aerosol and cloud remote sensing, polar studies, seasonal prediction, cloud microphysics, tropical meteorology, stratosphere-troposphere exchange, and the boundary layer. The School offers significant opportunities for collaboration due to its location within the National Weather Center (NWC), housing the University’s academic and research programs in meteorology, state organizations, and the U.S. National Oceanic and Atmospheric Administration’s Norman-based weather programs. The nearby research campus also houses the Department of the Interior’s South Central Climate Adaptation Science Center, the Radar Innovations Laboratory, and numerous private sector companies. To enhance connectivity between the School and various affiliated research units, the hire will have ample opportunities for collaborations with researchers in the Cooperative Institute for Mesoscale Meteorological Studies (CIMMS), the Center for Analysis and Prediction of Storms (CAPS), the Advanced Radar Research Center (ARRC) and the Center for Autonomous Sensing and Sampling (CASS), all collocated at the NWC.

OU is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic and health-care needs of the state, region, and nation from three campuses. The School of Meteorology values a diverse student and faculty body and encourages applicants from underrepresented groups to apply. This diversity extends beyond the usual definitions regarding age, ethnicity, physical abilities, political and religious beliefs, veteran status, gender, and gender identity, to include work, educational, and life experiences.

To apply, please submit a letter of interest, a statement of research goals, visions on teaching and diversity and inclusion, curriculum vitae, and the names of four people who can serve as references (with full mailing and e-mail addresses, and telephone numbers) online via ByCommittee: https://apply.interfolio.com/69153. Applicants are also encouraged to provide publication and citation data, such as those available from Publons, Google Scholar or similar resources. Screening of applications will begin on 1 November 2019 and will continue until the position is filled. Please address all correspondence to:

Dr. Cameron Homeyer, Search Committee Chair (chomeyer@ou.edu)
Associate Director for Graduate Programs, School of Meteorology, University of Oklahoma
120 David L. Boren Blvd., Suite 5900, Norman, OK 73072
The Department of Ocean Engineering and Marine Sciences at the Florida Institute of Technology invites applications for two tenure- or teaching-track faculty positions in Meteorology and Physical/Coastal Oceanography with an expected starting date in August 2020. The positions are posted at the assistant-professor level, but exceptional candidates with appropriate levels of experience may be considered for appointment at the associate level.

The successful candidate for the Meteorology tenure track should have expertise in one or more of the following areas: coupled ocean-atmosphere modeling, land-atmosphere modeling, and observations using satellite data; radar meteorology; tropical/mid-latitude meteorology; atmospheric electricity; boundary-layer meteorology; and data analysis and assimilation. Skillsets such as coupled-WRF modeling will be a plus.

The successful candidate for the Physical/Coastal Oceanography tenure track should have expertise in one or more of the following areas: coupled land-air-sea modeling, air-sea interactions and ocean-atmosphere boundary layer, coastal oceanography and meteorology, observations using satellite data, and data assimilation. Skillsets such as coupled-WRF modeling or COAWST will be a plus.

The successful candidates will be expected to teach both graduate and undergraduate courses; conduct and maintain active, externally funded research programs; publish scholarly work; mentor graduate students; and engage in service activities. Each successful applicant must have earned doctorate in a relevant field, and a strong commitment to undergraduate teaching, as well as an interest in interdisciplinary and collaborative research. Postdoctoral experience will be considered an asset. Salary will be commensurate with experience.

The successful candidates for the teaching track should have expertise in one or more of the aforementioned areas. However, the primary effort of a non-tenure-track faculty member will be undergraduate and graduate teaching, with an expected load of up to 4 courses per semester.

Florida Tech is a major, private, engineering-focused research university providing comprehensive, high-quality undergraduate and graduate programs. Ranked as a Tier 1 university by U.S. News and World Report, Florida Tech is situated on the
east-central coast of Florida in the city of Melbourne in Brevard County, approximately 60 miles east of Orlando and 30 miles south of the Kennedy Space Center. The Department of Ocean Engineering and Marine Sciences (OEMS) has 26 faculty members. Undergraduate and graduate degree programs include atmospheric, ocean, and life sciences, as well as ocean engineering. OEMS has approximately 270 undergraduate students, and 90 MS and PhD students.

For the meteorology position, applications should be sent to oemsmet@fit.edu and, for oceanography, to oemsocn@fit.edu. Please upload a single pdf document that contains the following items in the order listed: cover letter, curriculum vitae, contact information for three (3) professional references, a statement of research interests (for a tenure-track appointment), and a statement of teaching interests and teaching philosophy. *Applicants should clearly state whether they are applying for the tenure or the teaching track in the cover letter.* Applications are due no later than COB on 9 November 2019.

If you would like to apply for both positions, please indicate in your cover letter which of the two is the primary.

Florida Tech actively supports an educational environment that fosters diversity and inclusion for all and is an affirmative action/equal opportunity employer committed to increasing the cultural and intellectual diversity of its faculty.
CIMMS Postdoctoral Research Associate – Cloud Physics

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Postdoctoral Research Associate position for projects funded by the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA), the Department of Energy (DOE) and the National Oceanic and Atmospheric Administration (NOAA). The Postdoctoral Research Associate will participate in and analyze data from experimental field projects seeking to obtain a better quantitative knowledge of the microphysical properties of clouds, to better understand cloud processes and to represent them in weather and climate models.

Background:
The Director of CIMMS has a number of ongoing and planned field projects making air- and shipborne in-situ and remote sensing measurements of cloud properties, including projects investigating Southern Ocean clouds, Arctic clouds, mesoscale convective systems, winter storms, tropical cyclones, and others. Investigations using these data to determine how cloud properties vary with environmental and aerosol conditions are expected to continue for several years. Further, the uncertainties in derived cloud properties will be used to develop a new-generation of stochastic parameterizations for incorporation into models.

Responsibilities:
The incumbent will participate in the collection of data during field campaigns, process data collected by cloud probes using the University of Oklahoma software, help organize future field campaigns, assist in proposal preparation, conduct scientific analysis with the collected data, write papers for the refereed literature, and present the results of findings at national and international meetings. It is also expected that the incumbent will interface with investigators at several other universities and institutes, making derived cloud products available to other investigators as well as receiving data from probes operated by others for use in scientific investigations. Development of parameterizations and execution of model simulations may also be required.

Qualifications:
1. A Ph.D. degree in atmospheric science or related area.
2. Background in cloud physics, and especially in observations, is desired.
3. Strong software design and programming (e.g., Matlab) skills, and scripting (Python) familiarity.
4. Excellent oral and written communication skills (including papers published in, or submitted to refereed journals).
5. An ability to work both independently and cooperatively with others.

The beginning salary will be based on qualifications and experience, with benefits provided through the University of Oklahoma (https://hr.ou.edu/Employees/). The position is currently available and is a full-time appointment.

To apply, please forward your resume, cover letter and contact information for three references to:

Tracy Reinke, Executive Director, Finance and Operations  
University of Oklahoma CIMMS  
120 David L. Boren Blvd., Suite 2100  
Norman, OK 73072-7304  
treinke@ou.edu  
ATTN: Cloud Physics
Open Rank Professor of Earth and Planetary Sciences

The Department of Earth and Planetary Sciences at Washington University in St. Louis invites applications for a tenure-track or tenured faculty position at the assistant, associate, or full professor rank, commensurate with experience, in the field of planetary science. The candidate is expected to perform research in the broad area of planetary surfaces and processes, have or seek active involvement in planetary science missions, and eventually assume leadership of the NASA Planetary Data System Geosciences Node at Washington University. The ideal candidate will employ quantitative tools and will integrate computational approaches with remotely sensed observations.

The successful candidate is expected to develop a vigorous, externally funded research program, maintain a strong publication record, advise students, provide outstanding teaching of undergraduate and graduate courses, and participate actively in departmental governance and university service. We seek candidates who will strengthen existing research programs in planetary science and remote sensing, as well as foster collaboration with scholars across the Washington University community.

Candidates must have a Ph.D. in planetary science or a related field at the time of appointment. In addition, candidates at the associate or full professor rank must have an advanced record of research, publication, and teaching warranting tenure. Complete applications include cover letter, curriculum vitae, statements of teaching and research interests, and names and contact information of at least four references, submitted via Interfolio:
https://apply.interfolio.com/66099. Applications must be received by October 31, 2019 to ensure consideration.

Washington University in St. Louis is committed to the principles and practices of equal employment opportunity and especially encourages applications by those underrepresented in their academic fields. It is the University’s policy to recruit, hire, train, and promote persons in all job titles without regard to race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, protected veteran status, disability, or genetic information.
THE PROGRAM. The University of California President’s Postdoctoral Fellowship Program was established in 1984 to encourage outstanding women and minority Ph.D. recipients to pursue academic careers at the University of California. The current program offers postdoctoral research fellowships and faculty mentoring to outstanding scholars in all fields whose research, teaching, and service will contribute to the diversity and equal opportunity at the University of California. The contributions to diversity may include public service towards increasing equitable access in fields where women and minorities are underrepresented. In some fields, the contributions may include research focusing on underserved populations or understanding inequalities related to race, gender, disability or LGBT. The program is seeking applicants with the potential to bring to their academic and research careers the critical perspective that comes from their non-traditional educational background or understanding of the experiences of members of groups historically underrepresented in higher education in the United States.

AWARDS AND APPOINTMENTS. Fellowships are awarded for research conducted at any one of the University of California’s ten campuses. The award includes a salary starting at approximately $50,760 depending on field and experience, benefits including health insurance and paid vacation/sick leave, and up to $5,000 for research-related and program travel expenses. Each award is for a minimum of 12-months and may be renewable for an additional term upon demonstration of academic/research productivity.

ELIGIBILITY. Applicants must receive a Ph.D. or terminal degree from an accredited university before the start of their fellowship. Successful applicants must present documents demonstrating that they are legally authorized to work in the United States. Individuals granted deferred action status under the Deferred Action for Childhood Arrivals program are encouraged to apply.

APPLICATION. Apply online at: pfp.ucop.edu

DEADLINE: November 1, 2019
USC Price at a Glance

The mission of the Price School is to improve the quality of life for people and their communities, here and abroad.

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The University of Missouri Geology Field Camp is located in Sinks Canyon within the Shoshone National Forest, 7000 feet high in the Wind River Range, 9 miles south of Lander, WY. The facility is housed in log buildings, including dormitories for men and women, a well-equipped computer laboratory/classroom with satellite internet access, a student lounge and a large dining hall.

Six-week, six credit-hour course. Projects include:
- introduction to basic field methods in geology
- sedimentary facies analysis
- mapping of deformed sedimentary units
- applied surface and groundwater hydrogeology
- shallow subsurface reflection and refraction geophysics
- subsurface basin analysis and correlations
- structural analysis of high-grade metamorphic rocks
- four-day trip to Yellowstone and Grand Teton national parks and surrounding areas

Pre-requisites: Historical Geology, Structural Geology and Sedimentology/Stratigraphy

Academic scholarships ($500 to $1,500) available to all qualified applicants.

Student jobs available to interested applicants.

In-state tuition for all applicants. Estimated total cost (includes all tuition and fees) for summer 2020 is $4,500.

Visit us at https://fieldcamp.missouri.edu

Questions? Contact Field Camp Director Dr. Miriam Barquero-Molina
(barqueromolinam@missouri.edu)
FALL 2019 SEMINAR SERIES

August 27, 2019
3:45 PM
WSLR 116

Elizabeth French, Purdue University  Contact: Laramy Enders – lenders@purdue.edu
Exploiting the Root-Associated Microbiome for Plant Health

Oct 18, 2019
10:00 AM
CRTN 1042

Andres Gomez, University of Minnesota  Contact: Tim Johnson – john2185@purdue.edu
Intra- and Interspecies Gut Microbiome Dynamics in Primates: Lessons in Ecology and Evolution

Oct 31, 2019
3:30 PM
HORT 117

Alejandro Rodriguez Sanchez, Purdue University  Contact: Lori Hoagland – lhoaglan@purdue.edu
Interactions between Wastewater and Crops: Benefits and Disadvantages Focusing on Microbial Communities (HLA Seminar Series)

Nov 21, 2019
10:00 AM
CRTN 1042

Jim Tiedje, Michigan State University  Contact: Tim Johnson – john2185@purdue.edu
Interrogating Risk on the Environmental-Clinical Antibiotic Resistance Continuum

Dec 12, 2019
3:45 PM
WSLR 116

Tobin Hammer, University of Texas-Austin  Contact: Thor Hansen – hanse125@purdue.edu
Microbial Ecology of Bee and Butterfly Guts

To arrange an individual meeting with a speaker, please e-mail the contact person for that speaker.
ACTIVELY MOVING FORWARD
PURDUE CHAPTER
GRIEF AND LOSS GATHERING

FALL 2019 MEETINGS:
AUG 27, SEPT 10, SEPT 24,
OCT 22, NOV 5, NOV 19, DEC 3

Come join our community of
boilermakers supporting each other in
grief throughout college

EVERY OTHER TUESDAY
HONORS COLLEGE SOUTH
READING ROOM
6-7 PM

WANT MORE INFO?
Contact Kayla at purdueu-amf@healgrief.org
Visit the national website:
www.healgrief.org/actively-moving-forward/

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