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

Facebook  
Twitter  
Department Magazine  
Website News

DEPARTMENT NEWS

EAPS COLLOQUIA

Lixin Wang  
IUPUI  
Thursday, October 10, 2019  
3:30 PM  
HAMP 1252

[See attached flier for more information]

EAPS SOCIAL MEDIA

Sarah Sams will be taking over the EAPS social media for at least the semester, while the department searches for a new Communications Manager since Logan is now working in the Honors College.

http://www.eaps.purdue.edu/
If you have anything you want shared on social media (pictures, outreach, publications, etc.), please email them to Sarah [samss@purdue.edu] And she will post them. Also, if you think anyone's work/outreach should be highlighted, please also let her know. Sarah is looking forward to showing off all that the EAPS department is involved in!

If you don’t follow the department already, below are the links to the respective sites.
Facebook: https://www.facebook.com/EAPSPurdue/
Twitter: https://twitter.com/PurdueEAPS
Instagram: https://www.instagram.com/purdue.eaps/

STUDENT NEWS

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]

2020-21 CALL FOR APPLICATIONS
UC PRESIDENT’S POSTDOCTORAL FELLOWSHIP PROGRAM

Call for Applications

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: ppfp.ucop.edu

DEADLINE: November 1, 2019

GRADUATE SCHOOL FAIR

The USC Price School of Public Policy will be attending the Idealist Graduate School Fair in Chicago on Thursday, October 3rd. Students are invited to attend the Fair, which is free to attend. The USC Price School offers a number of master’s degrees including:

- Master of Public Policy
- Master of Public Administration
- Master of Urban Planning
- Master of Health Administration
- Master of Public Policy Data Science
- Master of Nonprofit Leadership & Management

The mission of the USC Sol Price School of Public Policy is to improve the quality of life for people and their communities, here and abroad. We achieve this mission through education and research that promote innovative solutions to the most critical issues facing society. We are also celebrating our 90th anniversary this year, making us one of the oldest public administration schools in the nation. Our website is located at https://priceschool.usc.edu/.

[See attached flier with event details, which is free to attend.]

ALPHA GIRLS PANEL

The Alpha Girls panel featuring two of our very own department heads - Janice Evans and Chris Hrycyna, along with one of Silicon Valley’s first women venture capitalists MJ Elmore, and others will speak about women in STEM, business, and entrepreneurship.

Thursday, October 10
5:30 pm
Burton D. Morgan Center, Room 121
FREE/Open to the Public

[See attached flier for more information]

STUDENT IS LOOKING FOR TUTORING HELP WITH EAPS 112

Looking for a tutor to help student athlete with EAPS 112. Required that this tutor have taken the course and received at least a B+ or higher and have an overall GPA of 3.0. Interested individuals should contact the tutor coordinator for athletics, Candace Britten (cbritten@purdue.edu), 494-4899, Brees Academic Performance Center, Room 206

POSTDOCTORAL FELLOW

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

http://www.eaps.purdue.edu/
the world’s premier scientific institutions, with an internationally recognized staff and research 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 cutting-edge 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-1_REQ-2019-14-1

**PAN POST-DOCTORAL RESEARCH FELLOWSHIP**

The Department of Earth, Environmental and Planetary Sciences at Rice University is inviting applications for the Pan Postdoctoral Research Fellowship.

The application **deadline is November 1, 2019**. For this post-doctoral fellowship advertisement and other post-doctoral opportunities, you can also visit - https://earthscience.rice.edu/home-page/open-positions/

We encourage candidates with interests in broad areas of solid Earth and planetary processes, interior-surface connections, and planetary habitability to apply.

Department of Earth, Environmental and Planetary Sciences, Rice University is seeking candidates with independent research interests that intersect with one or more faculty within our department. Both domestic and international applicants are welcome. A Ph.D. is required at the time of appointment, but candidates must have received their Ph.D. no more than 3 years before their start date at Rice.

The research fellowships will be supported for two years, pending satisfactory progress during the first year, and covers an annual stipend of $60,000 with a benefits package and an additional annual discretionary research allowance of $3,500. Applicants are requested to develop a proposal of research to be undertaken during the fellowship period. The principal selection criteria are scientific excellence, a clearly expressed research plan to address questions at the forefront of their field of study, and research synergies with at least one faculty. The proposed research should, however, encompass independent research ideas and explore new directions beyond the applicants Ph.D. Preference will be given to applicants whose proposals demonstrate independence and originality, and also the
potential for collaboration with one or more faculty in the Department of Earth, Environmental and Planetary Sciences.

The application is due on 1 November, 2019 at http://jobs.rice.edu/postings/21282.

The application should include the following documents:
(1) A current CV, including a list of publications.
(2) A brief synopsis of the applicants doctoral dissertation (less than one page).
(3) A concise research proposal (no longer than three pages, including figures, excluding references) describing the applicants research interests, specifically the research that the applicant would like to pursue at Rice University.
(4) The names of potential Rice faculty who could serve as postdoctoral mentors for the applicant.
(5) The names and email addresses of at least three references to write recommendation letters.

The highest ranked applicants will be invited to visit Rice in early 2020. Following acceptance, the appointment may begin anytime before January 1, 2021. For further information or questions contact the chair of the search committee at esci-postdoc@rice.edu.

Rice University is located in Houston, Texas, and is a private, coeducational, nonsectarian university that aspires to path-breaking research, unsurpassed teaching, and contributions to the betterment of our world. Rice fulfills this mission by cultivating a diverse community of learning and discovery that produces leaders across the spectrum of human endeavor.

Rice University is an Equal Opportunity Employer with commitment to diversity at all levels, and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability or protected veteran status.

WINTER DTA SCIENCE FELLOWSHIP OPPORTUNITY

Program: The Data Incubator is an intensive 8 week fellowship that prepares masters students, PhDs, and postdocs in STEM and social science fields seeking industry careers as data scientists. The program is free for Fellows and supported by sponsorships from hundreds of employers across multiple industries. In response to the overwhelming interest in our earlier sessions, we will be hosting another fellowship.

Who Should Apply: Anyone who has already obtained a masters or PhD degree or who is within one year of graduating with a masters or PhD is welcome to apply. Applications from international students are welcome. Everyone else is encouraged to sign-up for a future session.

Locations: In addition to the below in-person locations, we will have a remote online session:
- New York City
- San Francisco Bay Area
- Boston
- Washington, DC.

Dates: All sections will be from 2020-01-13 to 2020-03-06.

Application Link: https://www.thedataincubator.com/fellowship.html#apply?ref=w2XRoaWNzQHB1cmR1ZS5iZHUK

We are assessing and interviewing candidates who apply for the Early Deadline first and then based on remaining availability, will take candidates who applied for the Regular Deadline on a first-come first-serve basis.

Data Science in 30 minutes: Learn how to build a data-science project in our upcoming free Data Science in 30-minutes webcast. Signup soon as space is limited.

Learn More: You can learn about our fellows at The New York Times, LinkedIn, Amazon, Capital One, or Palantir. To read about our latest fellow alumni, check out our blog. To learn more about The Data Incubator, check us out on Venture Beat, The Next Web, or Harvard Business Review

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]

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**PURDUE APPLIED MICROBIOME SCIENCES (PAMS) FALL 2019 SEMINAR SERIES**

10.18.2019/10/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

10.31.19/3:30/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)

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]

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**EAPS PODCAST INTERVIEWING FACULTY**

We have officially started the “Superheroes of Science” podcast and it should now be on your favorite podcast player!

In each episode Steven Smith and Sarah Nern interview different faculty researching in the various fields of science or education. Give it a listen and discover what others are currently researching and how they first got involved in science. Some episodes will discuss current topics for today’s K-12 science classroom.

Subscribe, review, and share the podcast to help us get the word out

You can find the podcast on your favorite Podcast hosting site under Superheroes of Science or use one of the quick links below


Google Play: https://play.google.com/music/m/l5fqneaqydtq

Podbean: https://www.podbean.com/podcast-detail/vbczx-9e60c/Superheroes-of-Science-Podcast

Sticher: https://www.stitcher.com/s?fid=458999&refid=stpr

Blubrry: https://www.blubrry.com/purduescience/

Libsyn: https://directory.libsyn.com/shows/view/id/purdue

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**13TH ANNUAL SYMPOSIUM SUSTAINABLE DEVELOPMENT GOALS: ARE WE CHASING UNICORNS?**

**Guidelines:** Submit a video (3 min or less) regarding the UN’s SDGs. Videos should focus on the implementation of a specific SDG, overall successes and challenges in achieving SDGs, and/or highlight the complex interconnectedness of the goals.

October 11, 2019

[See attached flier’s for more information]

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**NASA DEVELOP RECRUITING**

Our application for the upcoming Spring 2020 term of the program recently opened and will
remain open until Friday, October 11th. The term will take place January 27 – April 3.

To provide some background information, NASA DEVELOP is under the Capacity Building Program within NASA’s Applied Sciences Program. NASA DEVELOP conducts feasibility research projects which use NASA satellite data to answer current environmental questions for our partner organizations, while providing opportunities for professional and personal growth for our participants. Each year we have three “terms” that consist of 10 intense weeks of research and analysis that is conducted by a team of current students (undergraduate or graduate), recent graduates (undergraduate or graduate), and early/transitioning career professionals. Teams partner with professional organizations (The Nature Conservancy, FEMA, Dauphin Island Sea Lab, National Park Service) offering unique opportunities for networking with these partners as well as with NASA scientists and advisors. Projects fall into one or two of the eight National Application areas, and are team led providing participants the opportunity to grow their leadership, professional, and technical skill sets. Many focuses of study can benefit from the program as they cultivate professional skills while they learn how to use GIS and remote sensing techniques. In the past we have had successful applicants from a number of fields, such as Geography, History, Biology, Computer Science, Earth System Science, Anthropology, and Political Science.

To give you some examples of past projects:

- **Ohio River Valley Transportation and Infrastructure**: Utilizing Synthetic Aperture Radar and NASA Earth Observations to Identify Optimal Transportation Routes to Assist Emergency Responders after Flood Events in the Ohio River Valley
- **New Mexico Energy**: Identifying Optimal Site Locations for Wind Energy Farms Considering Ecological and Social Impacts
- **Alaska Disasters**: Evaluating the Atmosphere-Land Exchange Inverse Evaporative Stress Index for the Alaskan Environment to Determine Wildfire Likelihood
- **North Alabama Ecological Forecasting**: Spatial Modeling of the Fragmentation of Local Species Habitat from Increasing Urbanization in North Alabama
- **Kenya Agriculture & Food Security**: Utilizing NASA Earth Observations in the RHEAS Model to Enhance Drought Monitoring and Mitigation in Kenya

We have several projects proposed for the spring, all of which can be found on the apply page, and again we would love to have students from your university apply. This is a paid position and the application will be open until Friday, October 11th.

[See attached flier for complete details]

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**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.

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

[http://www.eaps.purdue.edu/](http://www.eaps.purdue.edu/)
• 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 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 work and instrumentation, though some field experience is required. Details and link below:
https://rfhr.interviewexchange.com/jobofferdetails.jsp;jsessionid=45A124CFB8E47A0B0E8965AB8DE45E33?JOBID=113320

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,

http://www.eaps.purdue.edu/
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.

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**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:

Job link: [https://www.edisoncareers.com/ShowJob/Id/719936/Meteorology%20Advisor](https://www.edisoncareers.com/ShowJob/Id/719936/Meteorology%20Advisor)

**Job Description**

Are you looking for a diverse team of inventors, pioneers, and problem solvers working together? Look no further.

We want team members who want to invest their skills and intellect into something that matters—like solving one of the most important issues of our time. It’s what we do. Powering the planet while drastically reducing carbon emissions and creating cleaner air for everyone. You’re a critical piece of the solution.

As we look onto creating a cleaner energy future, our customer needs are also changing and as part of our Business Resiliency organization you will have an opportunity to help us support this effort.

**The Job.....**

This position will support the Weather Services group within Business Resiliency. The position will be responsible for blue sky operational support for the Situational Awareness Center and incident operational support when Emergency Operating Center is activated for gray and black sky conditions.

You will also be responsible for developing tools and models to aid in forecasting accuracy and fidelity. Additionally, the position will also be responsible for operational forecasting support for the procurement of energy within the Energy Procurement and Management organization.

**Detailed things you will be doing.....**

- You develop and implement procedures to monitor, analyze and produce short, medium and long-range weather forecasts and reports for situational awareness from the Situational Awareness Center (SA-Center). This could be during day-to-day operation and leading up to and during times of Incident Management Team Activations.
- Work closely with the Watch Office to inform reports to executives and send alerts about extreme weather to grid operations and other affected organizations across the company.
- Project manager for complex projects—specifically, projects aimed at the mitigation of 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.

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

http://www.eaps.purdue.edu/
• 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

**JILL HRUBY FELLOWSHIP**

Accepting applications for the Jill Hruby Fellowship in National Security Science and Engineering. The Hruby Fellowship is one of Sandia National Laboratories’ most prestigious postdoctoral fellowships. This fellowship aims to develop women technical leadership careers in national security. All qualified applicants will be considered for this fellowship.

For more information, please visit: [https://tinyurl.com/HrubyFellowship](https://tinyurl.com/HrubyFellowship)

**Deadline: November 1 at midnight.**

[For more information see attached flier]

**PRESIDENT HARRY S. TRUMAN FELLOWSHIP**

Sandia National Laboratories is seeking applicants for the President Harry S. Truman Fellowship in National Security Science and Engineering. Candidates for this position are expected to have solved a major scientific or engineering problem in their thesis work or to have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field.

For more information, visit: [http://sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html](http://sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html)

**Deadline to apply is November 1 of each year and the fellowship normally begins on October 1 of the following year.**

{See attached flyer for more information}
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 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.

Details here: https://usra-openhire.silkroad.com/e postings/index.cfm?fuseaction=app.jobinfo&jobid=907&version=1#.XN6VW hyg8fo.twitter

KAVALI 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

http://www.eaps.purdue.edu/
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.
• 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

About 10 years ago, when Corey Linkel was just getting started as an academic advisor at Purdue, he had a meeting with a student veteran that felt like a success at the time.

Later, after Linkel came to know the student better, the student admitted to having a different experience.

“He told me he had felt disappointed after our initial meeting, that he felt isolated and disconnected and didn’t feel like he was getting out of the advising appointment what he needed,” Linkel says. “That experience caused me to pause and rethink things. It made me realize that our military-connected students have needs that I didn’t understand as well as I needed to, and it made me want to do more to support them.”

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,

FACULTY AND STAFF INVITED TO GREEN ZONE STUDENT PANEL TO LEARN ABOUT MILITARY, VETERAN EXPERIENCE

http://www.eaps.purdue.edu/
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**: 2-4 p.m. Tuesday, Oct. 15, in Rawls, Room 2079
- **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

"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.

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**CELEBRATIONS**

Wen-wen Tung  October 8

http://www.eaps.purdue.edu/
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.
Ecohydrology in Water-Stressed Environments: An Isotope Perspective

Lixin Wang
IUPUI

Intrinsic water-limited ecosystems cover at least 40% of the global land surface and most other ecosystems will experience water stress (e.g., drought) at certain stage. In water-stressed ecosystems, patterns of water availability constrain the vegetation spatial and temporal dynamics, and vegetation has strong feedbacks to water cycle. This talk will discuss how to use stable isotopes as a powerful tracer to enhance our understanding of ecohydrological processes in water-stressed environments and the responses to a changing environment. Specifically, this talk will focus on two main questions, 1) how to partition evapotranspiration and what is the warming effect on evapotranspiration partitioning; and 2) how to identify the origins of non-rainfall water (e.g., fog and dew) in extremely water-limited environments and how to differentiate fog and dew formations using novel isotope techniques.

Thursday, October 10, 2019
3:30 p.m.
Room 1252/HAMP

Refreshments at 3:00 pm
Room 2201/HAMP
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: ppfp.ucop.edu

DEADLINE: November 1, 2019

2020–2021

Berkeley
Davis
Irvine
Los Angeles
Merced
Riverside
San Diego
San Francisco
Santa Barbara
Santa Cruz

More information:
President’s Postdoctoral Fellowship Program
University of California

visit online: ppfp.ucop.edu/info/
email: ppfpinfo@berkeley.edu

University Partnerships for Faculty Diversity

Partner Programs with Carnegie Mellon University, University of Colorado, Boulder, University of Maryland, University of Michigan, University of Minnesota, New York University, University of North Carolina, Charlotte, UC Chancellor’s Postdoctoral Fellowship Programs, and the UC-affiliated National Labs. Please visit: http://ppfp.ucop.edu/info/about-ppfp/partnerships.html
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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University of Illinois, Chicago
UIC Forum

For more information, visit priceschool.usc.edu
ALPHA GIRLS: 
WOMEN IN STEM, BUSINESS, & ENTREPRENEURSHIP

Thursday, October 10 | 5:30 p.m.
Burton D. Morgan Center | Room 121
Purdue University
Free | Open to the Public

PANEL DISCUSSION FEATURING:
- MJ Elmore, BS’76 Math | Silicon Valley Trailblazer and Angel Investor
- Janice Evans, PhD | Biological Sciences Department Head
- Chris Hrycyna, PhD | Chemistry Department Head
- Nathalie Duval-Couetil, PhD | Director, Certificate in Entrepreneurship and Innovation Program
- Julian Guthrie | Alpha Girls Author

Reception immediately following during The Showcase, a Purdue Foundry event.

Sponsor: Purdue College of Science + Cosponsors: The Purdue Foundry and The Office of Technology Commercialization
University of Missouri Geology Field Camp
Wind River Range, Wyoming
May 24 - July 4, Summer 2020
https://fieldcamp.missouri.edu

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: Larmacy 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.
13TH ANNUAL SYMPOSIUM
Sustainable Development Goals:
Are We Chasing Unicorns?

Guidelines:
Submit a video (3 min or less) regarding the UN’s SDGs. Videos should focus on the implementation of a specific SDG, overall successes and challenges in achieving SDGs, and/or highlight the complex interconnectedness of the goals.

Short Video Contest

// 1st Place $500
// 2nd Place $300
// 3rd Place $100

// Popular Vote $50

Submissions Due:
October 11, 2019

SCAN HERE FOR MORE INFO
13TH ANNUAL SYMPOSIUM -

SUSTAINABLE DEVELOPMENT GOALS:
ARE WE CHASING UNICORNS?

// VIDEO COMPETITION
// DISASTER SIMULATION
// EXPERT PANEL
// KEYNOTE SPEAKER

SAVE THE DATE

OCTOBER 17-18, 2019

SCAN HERE FOR MORE INFO -
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/

JOIN OUR GROUPME!
Seeking Applicants!

We are now accepting applications for the Jill Hruby Fellowship in National Security Science and Engineering. The Hruby Fellowship is one of Sandia National Laboratories' most prestigious postdoctoral fellowships. This fellowship aims to develop women in the engineering and science fields who are interested in technical leadership careers in national security. Jill Hruby is the first woman to have been appointed director of a large, multidisciplinary national security laboratory and has been a driving force for other women at Sandia and across the country to follow careers in technical leadership. Jill Hruby Fellows have the opportunity to pursue independent research that supports Sandia's purpose: to develop advanced technologies to ensure global peace. In addition to receiving technical mentorship, Jill Hruby Fellows participate in a unique, prestigious leadership development program. To be considered for this fellowship, applicants must display excellent abilities in scientific and/or engineering research and show clear promise of becoming outstanding leaders. Fellows may work at either of Sandia's principal locations in New Mexico and California. All qualified applicants will be considered for this fellowship. Deadline: November 1 at midnight.

Sandia's competitive wage and benefits package includes an annual salary of $111,200; flexible work arrangements; 11 paid holidays; three weeks of vacation; health, vision, and dental insurance; and a 401(k) savings plan with company match.

Qualifications We Require

- Ph.D. conferred within the past three years or completion of Ph.D. requirements by commencement of appointment - begins October 1
- Evidence of strong academic achievement, excellent technical accomplishment, leadership and ability to team effectively
- No previous postdoctoral appointments at a national laboratory (internships excluded)
- Research in areas relevant to national security
- Ability to obtain and maintain a DOE security clearance, which requires US citizenship

Qualifications We Desire

- Creativity and self-motivation
- Good communication skills
- Interest in management/leadership
- Ability to work in a team-oriented, dynamic environment
- Demonstrated interest and/or experience in service to the nation
- Broad-based background and extensive knowledge in one or more of the following areas: bioscience, computing and information science, engineering sciences, geoscience, materials science, nanotechnology and microsystems, and radiation effects and high energy density sciences

The Jill Hruby Fellowship is a three-year appointment and normally commences on October 1, although exceptions may be made to accommodate special circumstances.

For more information, please visit: https://tinyurl.com/HrubyFellowship
Seeking Applicants!

Sandia National Laboratories is seeking applicants for the President Harry S. Truman Fellowship in National Security Science and Engineering. Candidates for this position are expected to have solved a major scientific or engineering problem in their thesis work or to have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field.

The Fellowship provides the opportunity for new Ph.D. scientists and engineers to pursue independent research of their own choosing that supports Sandia’s national security mission. The fellow is expected to foster creativity and to stimulate explorations at the forefront of science and technology and high-risk, potentially high-value research and development.

Sandia’s research focus areas are: bioscience, computing and information science, engineering science, materials science, nanodevices and microsystems, radiation effects and high energy density physics, and geosciences. To learn more about additional R&D programs that support Sandia’s mission areas, please visit: sandia.gov/missions

The Truman Fellowship is a three-year appointment. The salary is $111,200 plus benefits and additional funding for the chosen proposal. The deadline to apply is November 1 of each year and the fellowship normally begins on October 1 of the following year.

Requirements:

We invite applications from talented researchers who have:

- Received a PhD within the past 3 years, or will complete all PhD requirements by commencement of appointment (10/1/2020)
- Excellent academic and research qualifications, strong communication skills
- No prior national laboratory postdoc appointment (pre-postdoc internships acceptable)
- The ability to thrive in a dynamic, team-oriented environment
- The ability to obtain and maintain a DOE security clearance, which requires US citizenship

For more information, visit: http://sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html

Apply online:
sandia.gov/careers

Click "View all Jobs"
Search
“Truman Fellowship”
or Job ID: 667285