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

Facebook
Twitter
Department Magazine
Website News

DEPARTMENT NEWS

EAPS COLLOQUIA

Julie Elliott
Purdue University
Thursday, September 26, 2019
3:30 PM
HAMP 1252

[See attached flyer for more information]

EAPS DEFENSE

PhD
Yang (Wendy) Zhang
September 30, 2019
9:00 A.M.
HAMP 2201
Co-Advisors: Darryl Granger/James Ogg

http://www.eaps.purdue.edu/
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 holding 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=wZXRoaWVnQHB1cmRTZS5lZHUK


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

PURDUE <> TERRATON CHALLENGE

Indigo recently announced the launch of the Terraton Initiative, a global effort to remove 1 trillion metric tons of carbon dioxide from the atmosphere and use it to enrich our agricultural soils. As part of launching the Terraton Initiative, we have also launched the Terraton Challenge, an open call to innovators to develop solutions to better accelerate, quantify, and reward soil carbon sequestration.

We believe students and professors from top tier universities, like Purdue, can create the innovative solutions we are looking for to sequester carbon dioxide.

There are no minimum requirements to submit an application, and all Round One applicants will be eligible for $3.5K in prizes, just for submitting an idea. If you are interested in learning more, I’m happy to hop on a call and discuss further. Applications are due October 1st.

[See attached flyer for more information]

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 flyer for complete information]
NEW GRANTS: 2020-2021 FACULTY FOR THE FUTURE FELLOWSHIPS SCHLUMBERGER FOUNDATION FACULTY FOR THE FUTURE

The Schlumberger Foundation is accepting new applications for the 2020–2021 Faculty for the Future Fellowships from September 5th to November 7th, 2019. The Faculty for the Future program, launched in 2004, awards fellowships to women from developing and emerging economies to pursue PhD or Post-doctoral research in science, technology, engineering and mathematics (STEM) at leading universities worldwide.

The program’s long-term goal is to generate conditions that result in more women pursuing scientific careers by lowering the barriers women face when entering STEM disciplines, thus reducing the gender gap. Faculty for the Future Fellows are expected to return to their home countries after completion of their studies to contribute to economic, social and technological advancement by strengthening the STEM teaching and research faculties of their home institutions. They can also make contributions in the public sector where their newly acquired technical and scientific skills can help provide evidence-based support for STEM policy making. In so doing, they become powerful role models and help to inspire other girls and women to pursue scientific careers.

Since its launch in 2004, 721 women from 80 developing and emerging countries have received Faculty for the Future fellowships to

---

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


Blubrry: [https://www.blubrry.com/purdue/science/](https://www.blubrry.com/purdue/science/)

Libsyn: [https://directory.libsyn.com/shows/view/id/purdue](https://directory.libsyn.com/shows/view/id/purdue)

---

http://www.eaps.purdue.edu/
pursue PhD and Post-doctoral research in STEM in renowned universities outside of the home country. While all applications will be evaluated using the same criteria, applications would be particularly welcome from countries that are currently under-represented to enable a broad geographical spread which is an important factor in the overall mission of this grant program.

Faculty for the Future grants are based on actual costs for eligible expenses up to a maximum of USD 50,000 per year for a PhD and maximum of USD 40,000 per year for a Post-doc and may be renewed through to completion of studies. Renewal grants are subject to performance, self-evaluation, recommendations from supervisors and strong evidence of re-integration plans in the home country.

Candidates should have applied to, have been admitted to, or be currently enrolled in a university abroad when submitting their grant application. Candidates must hold an excellent academic record and illustrate their commitment to teaching and research or to using their scientific knowledge in public policy advocacy.

Candidates should demonstrate leadership skills, community outreach interest and have a track record in encouraging young women into STEM fields. Candidates should also prove their commitment to returning to their home countries to contribute to the economic, social and technological advancement of their regions, pursuing careers in the teaching and research faculties of their home institutions and also taking on positions in the public sector.

ALL INFORMATION REGARDING THE FACULTY FOR THE FUTURE PROGRAM CAN BE FOUND AT: www.facultyforthefuture.net

IF YOU MEET THE ELIGIBILITY REQUIREMENTS, APPLY ONLINE AS OF SEPTEMBER 5TH, 2019: https://www.fftf.slb.com

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 flyers for more information]

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 flyer for complete details]

---

**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
• 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

**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

For complete information go to:

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

METEOROLOGIST II POSITION

This position will be responsible for the weather forecasting requirements as directed by ACES Members & Customers. Inclusive of short and long term forecast communication to the ACES Members and Customers, Front Office Trading groups, and associated corporate web sites and publications.

REQUIRED QUALIFICATIONS
Candidate should possess a bachelor’s degree in an appropriate discipline with experience in the meteorological industry preferred.
3 years of experience in weather forecasting and model analysis.
Knowledge of power and gas market operations.
Knowledge of the industry’s interconnected regions (NERC).
Competence with mathematics and technical concepts.
High degree of analytical skill.
Effective written and oral communication skills.
Public speaking experience preferred.
Excellent computer skills especially with Excel, Word, and PowerPoint. R-coding ability preferred.
Strong attention to detail.
Ability to work in a fast paced environment.
Candidate must be comfortable with being on call during non-business hours for critical decision making and coordinate time off schedule to allow for continuous coverage during business hours.

RESPONSIBILITIES

Responsible for generating all daily weather forecasting requirements for the ACES trading floors including but not limited to:

A 10-day forecast for all major hubs and required points of interest, including an afternoon revision.
A 4-day forecast for all required cities.
Hourly temperature forecasts for requesting member cooperatives.
A map displaying the projected paths of tropical storms, when appropriate.
A 15-day forecast discussion issued daily.
Assist with generating a twice-yearly winter/summer seasonal outlook.
Assist with generating monthly outlooks and provide additional input on monthly/seasonal weather trends when requested.
Collaborate with other ACES groups in building value-added analytical tools, including but not limited to load and renewable energy forecasting models.
Assist in procuring and evaluating vendors for renewable energy-related forecasts including wind and solar generation.
Contact for the company’s weather, wind, and solar forecasting.
Provide background research to the marketing and quantitative analysis areas as needed.
Provide reports to Director of Natural Gas Trading and other management teams and ACES Members and Customers.
As required and requested, prepare and deliver industry related information at member meetings, trade shows, and energy conferences.
Attend Member & Customer meetings and conference calls as required.
Assist in the preparation of the Weekly Energy Outlook, Bi-Weekly Coal Recap & Outlook and other industry reports.
Will adhere to all ACES corporate policies and comply with all ACES regulatory requirements, including but not limited to NERC, FERC, and
relevant state regulations, as applicable to this position.

Any additional responsibilities assigned by management.

For complete information please go to the following link: https://workforcenow.adp.com/mascr/default/mdf/recruitment/recruitment.html?cid=3d881ef4-bdd4-4758-9e9d-a0f907c200e3&ccId=19000101_000001&jobId=257814&lang=en_US&source=CC4

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.

[Flyer attached for more information]

CCO PROFESSIONAL SKILLS WORKSHOPS FOR GRAD STUDENTS AND POSTDOCS

This semester the workshops require RSVPs and are crosslisted on the Graduate School’s professional development webpage.

Sept. 24 – Interviewing Skills-Fundamentals
Sept. 26 – Interviewing Skills-Advanced
Sept. 30 – Negotiation Skills

All workshops will be held in RAWL 2070 from 5-6/PM

[See attached flyer for more information]

EAPS K-12 OUTREACH EVENTS

September 2019 volunteer opportunities:

http://www.eaps.purdue.edu/
FIELD TECHNICIAN POSITION AT THE NEW YORK STATE MESONET

The New York State Mesonet (nymesonet.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/jobofferdetail.jsp;jsessionid=454124CFB8E47A0B0E8965A88DE45E33?JOBID=113320

PLaCE SHORT COURSES

Registration for Fall 2019, Session 1 of the PLaCE Short courses is now open https://purdue-place.gosignmeup.com/Public/Course/Browse

Please contact place@purdue.edu if you have any questions.

[See attached flyer for more information]

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.

BIG TEN + GRADUATE SCHOOL EXPOSITION

Sunday & Monday, September 22-23, 2019

Free Grad Fair September 23 from 9:30/am-12/pm

PMU Ballrooms - PUID Required – Explore 70+ Universities!

www.purdue.edu/gradexpo

[See attached flyer for more information]

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

**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.
• 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.

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

Deadline: November 1 at midnight.

[For more information see attached flyer]

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
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)

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

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.


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

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

http://www.eaps.purdue.edu/
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, 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. Monday, Sept. 23, in Lawson, Room 1142
- **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.
Congratulations to Pat Patterson on the birth of his grandson, Thomas Griffin, born Saturday, September 14, 2019. Thomas weighed in at 8 lbs. 4 oz.
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.
Ice, Earthquakes, and Extruding Crust: Using Geodesy to Unravel the Dynamics of Active Tectonics and Glaciers in Alaska and Western Canada

Julie Elliott
Purdue University

Alaska and western Canada form an extraordinary natural laboratory for the study of tectonic and glacier systems. Tectonic features include a 4000-km long subduction zone, an ongoing collision, a major transform system, numerous continental strike-slip faults, and extensional zones. Over the past century, the area has generated 25 M7.5+ earthquakes. The region is host to rapidly changing glaciers and ice fields, including the largest glaciers in North America. The glacier and tectonics processes are linked; to understand one system, you must consider both. This talk will give an overview of Dr. Elliott’s research program, which focuses on using geodetic data such as GPS, satellite radar and optical imagery, and photographs to examine these processes. Her research covers all aspects of geodetic data, from field data collection to processing of varied data sets to modeling.

Thursday, September 26, 2019
3:30 p.m.
Room 1252/HAMP

Refreshments at 3:00 pm
Room 2201/HAMP
A call for solutions that accelerate the drawdown of 1 trillion tons of atmospheric carbon dioxide into agricultural soils

Many of the world’s largest industries have transformed and unlocked new value through digital systems innovation, and now’s the time for agriculture to do the same. The Terraton Challenge seeks to focus global innovators on agriculture as a climate solution.

The Terraton Challenge will focus on three critical areas:

- **Accelerate**: Increasing the speed at which carbon dioxide is sequestered and maintained
- **Quantify**: Catalyzing the next generation of soil carbon sampling & measurement systems
- **Reward**: Incentivizing growers to sequester soil carbon

How It Works:

<table>
<thead>
<tr>
<th>Phase</th>
<th>Dates</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHASE 1</td>
<td>Jul. 23 - Oct. 1, 2019</td>
<td>Application</td>
</tr>
<tr>
<td>PHASE 2</td>
<td>Oct. 1 - Oct. 22, 2019</td>
<td>Cohort Selection</td>
</tr>
<tr>
<td>PHASE 3</td>
<td>Nov 2019 - Jan 2020</td>
<td>Incubation</td>
</tr>
<tr>
<td>PHASE 4</td>
<td>Feb - Oct 2019</td>
<td>Experimentation &amp; Refinement</td>
</tr>
<tr>
<td>PHASE 5</td>
<td>Jun 2020</td>
<td>Demonstration</td>
</tr>
<tr>
<td>PHASE 6</td>
<td>Oct 2020</td>
<td>Award</td>
</tr>
</tbody>
</table>

Why Participate:

- **Prize Opportunities**
  - Up to $3,5K for submitting an idea
  - Up to $60K in grants
  - Up to $3M in contracts

- **Industry Visibility**
  - Demo your solution in front of thousands of stakeholders at Beneficial Ag 2020

- **Mentorship & Real-World Experimentation**
  - Get access to Indigo’s network of acres and the world’s largest agricultural lab to test your solution

- **Intellectual Property Preservation**
  - Maintain full ownership and complete IP rights to your solution

- **Addressing Climate Change**
  - Join a community of changemakers redefining agriculture as a climate solution

Who Should Apply?

**All Stages • All Geographies • All Industries**

Any team or individual with an original solution to one of our Terraton Challenge categories should apply.

Learn more and apply now
visit: [www.indigoag.com/the-terraton-challenge](http://www.indigoag.com/the-terraton-challenge) or email us at terratonchallenge@indigoag.com

The Terraton Challenge rallying innovators to develop solutions that advance The Terraton Initiative, the global effort to remove 1 trillion tons – or a teraton – of carbon dioxide from the atmosphere and use it to enrich agricultural soils.
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

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

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

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)*

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

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
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!

CONNECTING AND EMPOWERING GRIEVING YOUNG ADULTS
September 4  Convert your CV into a résumé
Learn the differences between the two documents, & how to present skills to different audiences.

September 9  Elevator Pitch & Networking
Build or refine your personal brand & elevator pitch; practice networking strategies.

September 17  LinkedIn
Develop a professional virtual presence! Learn how to use social media more effectively.

September 24  Interviewing Skills—Fundamentals
Understand all stages of the interview process: prepping for, communication during, & follow-up.

September 26  Interviewing Skills—Advanced
Further refine your STAR method & discuss difficult questions.

September 30  Negotiation Skills
Learn how to evaluate & negotiate a job offer.

All workshops will be held in RAWL 2070 from 5:00—6:00 p.m.

Graduate students and postdocs from all Purdue schools & colleges welcome!

RSVP here: https://bit.ly/2KB8TPI

Questions? askCCO@purdue.edu
Are you an international student?
Do you want to improve your communication and language skills?

PLaCE Short Courses for English Language

FALL 2019–Session 1 (August 26–October 3)

Session 2 (October 14–November 21)
Schedule for Session 2 will be available October 1

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Time</th>
<th>Course Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday &amp; Wednesday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Essentials of Academic Writing</td>
<td>9:00 - 10:15 AM</td>
<td>MW – 8/26/19 – 10/2/19</td>
</tr>
<tr>
<td>American Gaming Culture: Inquiry, Experience, and Reflection</td>
<td>10:00 - 11:15 AM</td>
<td>MW – 8/26/19 – 10/2/19</td>
</tr>
<tr>
<td>Intermediate Pronunciation &amp; Prosody</td>
<td>12:00 - 1:15 PM</td>
<td>MW – 8/26/19 – 10/2/19</td>
</tr>
<tr>
<td>Tuesday &amp; Thursday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Documentaries: An Exploration of Language and Culture</td>
<td>9:00 - 10:15 AM</td>
<td>TTH – 8/27/19 – 10/3/19</td>
</tr>
<tr>
<td>Argumentation in Speaking and Writing</td>
<td>10:30 – 11:45 AM</td>
<td>TTH – 8/27/19 – 10/3/19</td>
</tr>
<tr>
<td>Academic Writing: Grammar of Phrases and Clauses</td>
<td>1:30 - 2:45 PM</td>
<td>TTH – 8/27/19 – 10/3/19</td>
</tr>
<tr>
<td>Advanced Pronunciation &amp; Prosody</td>
<td>3:00 – 4:15 PM</td>
<td>TTH – 8/27/19 – 10/3/19</td>
</tr>
<tr>
<td>PowerPoint Presentations</td>
<td>4:30 – 5:45 PM</td>
<td>TTH – 8/27/19 – 10/3/19</td>
</tr>
<tr>
<td>Vocabulary and Idioms in American Language and Culture</td>
<td>6:00 – 7:15 PM</td>
<td>TTH – 8/27/19 – 10/3/19</td>
</tr>
</tbody>
</table>

ABOUT PLaCE SHORT COURSES
Short Courses classes provide flexible, focused options for international students to meet their English language needs and to fit your schedule. Key features of Short Courses:

- **6 weeks** during the semester (classes meet twice a week, with option for instructor conference)
- **Non-credit-bearing** (classes are not graded and do not appear on transcripts; however, students can earn a Certificate of Completion*)
- **Require no additional fees** (costs are covered by international student fees)
- Taught by PLaCE’s very experienced language instructors
- **Get students actively involved in language learning** (classes are small and focus on having students participate)
- Can be repeated or mixed with other courses to fit your needs and schedule
- Option for a Certificate of Completion

Visit the PLaCE website at [https://www.purdue.edu/place/](https://www.purdue.edu/place/) for registration.
**Academic Writing: Focus on Essentials**

This course will introduce students to some core parts of the work of academic writing in a second language: managing author work, audience, ideas, and language. The course is for international students and scholars who want to become stronger academic writers. This course will benefit students at any stage of their academic career; many topics introduced in this class are covered in more depth in later classes in the PLaCE series of Academic Writing Short Courses.

**Academic Writing: Grammar of Phrases and Clauses**

This course focuses on the grammatical units inside sentences: phrases and clauses. The goal of this class is to help students understand grammatical rules and patterns that they can use to write clear, correct sentences. Specific topic areas covered in the course include articles, nouns, verbs tenses, subject-verb agreement, modifiers, and relative clauses. Note: specific aspects of grammar covered in this course may vary in each session.

**Vocabulary and Idioms in American Language and Culture**

This course is designed to help nonnative speakers of English build their vocabulary through American idioms, expressions, collocations, slang, etc. Learner outcomes include improved reading and listening comprehension, vocabulary development, and speaking. The course examines several cultural topics (time, sports, social relationships, job/work, money, etc.). Activities include class discussions on various cultural topics, listening tasks, idiom exercises, quizzes, among others.

**Intermediate Pronunciation & Prosody**

This short course will help non-native speakers of English develop a more “listener friendly” pronunciation through practice of clear vowel sounds and the sound patterns in spoken English. The class focuses on the building blocks of English pronunciation, mainly at the syllable and word level (such as stress, consonants, and clear vowels). This class is appropriate for students who have not taken a Pronunciation course before and/or need better control of individual sounds and features of English pronunciation. While no formal grades are given, the teacher will provide students with both written and verbal feedback.

**Advanced Pronunciation & Prosody**

This class is appropriate for students who have already taken Intermediate Pronunciation and Prosody and/or have control of individual sounds of English pronunciation, but still want to work on improving “listener-friendly” pronunciation. This short course will help non-native speakers of English by working on advanced sound patterns beyond individual sounds or words – what we often call “thought groups”. These include intonation, stress, linking, speech reductions, and rhythm. Classes include some focused instruction and practice of specific elements of pronunciation, with many chances to practice through hands-on activities. While no formal grades are given, the teacher will provide students with both written and verbal feedback.

**Argumentation in Writing and Speaking**

This course is designed for learners of English to enhance their written and spoken argumentation skills. It focuses on practical, productive, and ethical uses of reasoning so that you can use them in multiple academic, professional, and personal settings. Argumentation plays a very significant role in your ability to communicate efficiently and in a convincing way within the university and in your professional lives. In fact, writing and speaking in a convincing way is a skill that spans all fields and disciplines. This course will help you to become more effective critical thinkers and consumers of information and arguments.

**PowerPoint Presentations**

In this short course, participants will learn about effective principles for designing and delivering successful slideshow presentations. The first half of the session will be devoted to developing appropriate form and content of a slideshow presentation. The second half will focus on verbal and non-verbal communication skills that make for a powerful delivery.

**American Gaming Culture: Inquiry, Experience and Reflection**

This class is an opportunity to experience modern gaming culture while learning English at the same time. The culture of board games will be introduced as part of a process of inquiry of experiencing and reflecting on American culture. Through the medium of games, students will practice defining, persuading, planning, predicting, giving commands, describing and creatively solving problems, and telling stories using English. An emphasis will be placed on group discussion about the cultural aspects of gaming, as we learn to interact in English while solving game-based problems. No prior experience with gaming is necessary, as we will be using a variety of games that are fun and easy to learn. We will also take field trips to local gaming areas, to experience different aspects of gaming culture first hand.

**Documentaries: An Exploration of Language and Culture**

This course is for international students who learned English as a second language who want to sharpen their listening skills without visual cues. The class focuses on watching documentaries in English. This course takes an interactive approach to watching documentaries: students will watch documentaries about a range of topics in class to enhance their ability to understand messages and stories told through a televised medium. Improving pronunciation and vocabulary will be secondary objectives in this course as we watch and discuss documentaries about comics, culture, education, music, and technology. Students will be provided with vocabulary lists to enhance their understanding of each documentary, and have the opportunity to practice using listening strategies in and out of class.
The resources accessible to you all in one place are invaluable. Multiple recruiters, but also multiple graduate students that are available to answer your questions makes it easy to get important information about graduate school.”

Past Student Attendee

**TAK​E ADVANTAGE OF:**
- KEY NETWORKING OPPORTUNITIES
- INFORMATIONAL WORKSHOPS
- PREMIER GRADUATE SCHOOL FAIR
- COMPREHENSIVE INFORMATION REGARDING GRADUATE SCHOOL EDUCATION IN:
  - ENGINEERING
  - SCIENCE
  - MATH
  - TECHNOLOGY
  - PHARMACEUTICAL SCIENCES
  - RELATED DISCIPLINES

**FREE GRAD FAIR**
**SEPT. 23 • 9:30am-12pm**
PMU Ballrooms • PUID Required
Explore 70+ Universities!

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

An equal access/equal opportunity university
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
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