EAPS WEEKLY NEWSLETTER
26 August 2019

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

Facebook
Twitter
Department Magazine
Website News

DEPARTMENT NEWS

EAPS COLLOQUIA

Jingjing Liang
Forestry & Natural Resource
Purdue University
Thursday, August 29, 2019
3:30 PM
HAMP 1252

[See attached flyer for more information]

EAPS MEETINGS & EVENTS

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

August 27
September 10
September 17
October 22
November 12
December 3 (tentative)

PRIMARY COMMITTEE MEETINGS
3:00 PM
HAMP 3201

Tuesday, October 1
Tuesday, October 15 (vote)

EAPS K-12 OUTREACH CALENDAR OF EVENTS

http://www.eaps.purdue.edu/outreach/Outreach_News.html

Sept. 2019 Volunteer Opportunities:

• Wonders on the Wabash (11, 12, 19, 24, & 25)
• AP Friday’s (13-Hydrology, 20-Physics, 27-GIS and groundwater)

http://www.eaps.purdue.edu/
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. 4 – Covert your CV into a resume
Sept 9 – Elevator Pitch & Networking
Sept. 17 – LinkedIn
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:

Wonders on the Wabash (11, 12, 19, 24, and 25)
Help out by being on a raft and/or helping teach at the hydrology station.

http://www.eaps.purdue.edu/outreach/Outreach_News.html

For more info about outreach events, contact Steven Smith mrsmith@purdue.edu

IOWA STATE UNIVERSITY HAS TENURE-TRACK FACULTY APPOINTMENT OPENING

The Department of Geological and Atmospheric Sciences in the College of Liberal Arts and Sciences at Iowa State University invites applications for a tenure-track faculty appointment at the rank of Assistant Professor to begin in August 2020. The successful candidate will be expected to build a nationally recognized, externally funded research program; mentor graduate and undergraduate students; and teach undergraduate and graduate courses (particularly in boundary layer meteorology and numerical modeling or remote sensing). Possible research areas include, but are not limited to, boundary layer meteorology, numerical modeling of high impact weather and climate events, and land-surface interaction. The candidate should also have excellent communication skills and be able to interact with other faculty, staff, and students. Additionally, the successful candidate will have a commitment to excellence in research, teaching at all levels, and performance of service duties.

Application Instructions: To apply for this position, please go to https://isu.wd1.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Assistant-Professor-of-Meteorology_R345 and click on “Apply” and complete the Employment Application. Please be prepared to enter or attach the following:

• Resume/Curriculum Vitae
• Letter of Application/Cover Letter
• Contact Information for Three Professional References

http://www.eaps.purdue.edu/
If you have questions regarding this application process, please email employment@iastate.edu or call 515-294-4800 or Toll Free: 1-877-477-7485. For consideration, submit application before: September 30, 2019.

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/jobofferdetailss.jsp;jsessionid=454124CFBEE47A0B0E8965AB8DE45E33?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.

PURDUE COLLEGIATE RECOVERY COMMUNITY

Are you interested in living a substance-free lifestyle? Are you a student in recovery? Do you want peer support? Join us for weekly meetings at KRACH 378 Wednesdays at 7/pm!

Contact Annie Covigton at pcoving@purdue.edu. For more details.

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

http://www.eaps.purdue.edu/
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;
- Completess 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.
- 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
POSTDOCTORAL OPPORTUNITY AT MCGILL UNIVERSITY

The Department of Atmospheric and Oceanic Sciences at McGill University invites applications for a postdoctoral position in atmospheric convection. The successful candidate will conduct observational and numerical research on turbulent processes within cumulus clouds and their impacts on macroscopic cloud development. The observational component will involve remote cloud observations and retrievals at Department of Energy Atmospheric Radiation Measurement (DoE/ARM) sites, and the numerical component will involve large-eddy simulations based on observed shallow and deep convection events. The ultimate goals of this research are to advance the physical understanding of cloud turbulence processes and apply this understanding toward improvements in cumulus parameterizations within global climate models.

The initial appointment is for one year but is renewable for up to two additional years, subject to available funding and satisfactory progress. The preferred starting date is approximately 1 October, 2019, but can be adjusted based on candidate availability. Candidates with a Ph.D. in atmospheric science or a closely-related field, preferably with strong background in some combination of cloud physics and/or dynamics, high-resolution atmospheric modelling (including large-eddy simulation), and development of cumulus or atmospheric-turbulence parameterizations, are encouraged to apply. Experience in a Unix/Linux environment with programming (e.g., Fortran) and scripting (e.g., Python or MATLAB) languages is also highly desired.

Please send curriculum vitae, statement of research interest, and names of three references to daniel.kirshbaum@mcgill.ca by 15 September 2019.

For further information, please contact:

Prof. Daniel Kirshbaum
Department of Atmospheric and Oceanic Sciences, McGill University,
805 Sherbrooke Street West, Room 945,
Montreal, QC, H3A 0B9, Canada
(Phone: 514-398-3347; Fax: 514-398-6115)

McGill University is an English-speaking university located in Montréal, one of North America’s most cosmopolitan cities. For more information about McGill University and the Department of Atmospheric and Oceanic Sciences please see the Department web site (http://www.mcgill.ca/meteo/).

CIMMS RESEARCH ASSOCIATE – PROFILE
OBSERVATION SOFTWARE AND DATA ANALYST

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Research Associate position for its collaborative research with scientists at the National Severe Storms Laboratory (NSSL) in Norman, Oklahoma. The incumbent will contribute to the Verification of the Origins of Rotation in Tornadoes EXperiment-Southeast (VORTEX-SE) project (https://www.nssl.noaa.gov/projects/vortexse/).

[See attached flyer for complete details]

CIMMS RESEARCH ASSOCIATE ATDD – SMALL UNMANNED AIRCRAFT SYSTEMS

Job Description:
The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks a research associate to assist in a new project that aims to transition small Unmanned Aircraft Systems (sUAS) into operations within NOAA. This position will be located at the NOAA/Air Resources Laboratory (ARL) Atmospheric Turbulence and Diffusion Division (ATDD) in Oak Ridge, TN. The associate will play a vital role in operating the sUAS, as well as acquiring and processing the data collected by the sUAS. The most critical task will be performing daily flights at a nearby site using ATDD’s vertical takeoff and landing (VTOL) and fixed-wing sUAS to sample boundary layer temperature, moisture, and wind fields. These datasets will be provided to the nearest National Weather Service office to assist with short-term weather forecasts. Additionally, the associate will operate ATDD’s other fixed-wing sUAS used for obtaining in-situ meteorological and flux measurements, as well as spectral characteristics of the land surface. Following data collection, the research associate
will lead efforts to process the data for further analysis. This work will provide opportunities for the associate to author research papers.

[See attached flyer for more information]

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**PAID INTERNSHIP OPPORTUNITY**

An applied research project, which is administered by the Oak Ridge Associated Universities (ORAU), is available with the Environmental Protection Agency’s (EPA) Office of Water (OW), Office of Ground Water and Drinking Water, Technical Support Center located in Cincinnati, Ohio. Under the guidance of a mentor, the participant will gain experience and educational benefits from this project performed at TSC.

This announcement **closes on September 9, 2019**.

[Please see attached flyer for more information]

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**THWARTS**

**(Tornado Hazard Wind Assessment & Reduction Symposium)**

This symposium, the second of its kind, seeks to bring together engineers, meteorologists and social scientists to address the problem of improving community resiliency from tornadoes. This multi-disciplinary symposium, funded by the NSF, in Champaign, IL is October 14-15, 2019.

Abstracts are due August 26, 2019 and there is some limited funding for student travel. If you are interested, this link will take you to the symposium site: [https://thwarts.cee.illinois.edu/](https://thwarts.cee.illinois.edu/).

[See attached flyer for more information]

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

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**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 flyer]

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**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}

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**AIR QUALITY AND NOISE SPECIALIST POSTION**

Air Quality and Noise Specialist in Oregon with Department of Transportation.

Join us in keeping Oregon beautiful! We are recruiting for an air quality and noise specialist to
join our Environmental Unit in Portland. In this role, you will be our regional technical expert in transportation noise for our agency and our local agency partners.

We invite members of all diverse communities to join our workforce as we endeavor to best serve Oregonians from every background. ODOT values diversity and inclusion because they are good for Oregon. We believe that by welcoming differences, encouraging new ideas and views, listening to and learning from each other, and providing opportunities for professional enrichment we are better able to serve those around us. We thank you for considering this employment opportunity.

For complete information and to apply go to: https://oregon.wd5.myworkdayjobs.com/en-US/SOR_External_Career_Site/job/Region-1-Headquarters---ODOT/Air-Quality-and-Noise-Specialist_REQ-17502

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**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.

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

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**POSTDOCTORAL RESEARCH ASSOCIATE I**

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

Details here: https://uacareers.com/postings/37793

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**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.

For complete information and to apply go to: https://www.usajobs.gov/GetJob/ViewDetails/538341500
Details here: https://usra-openhire.silkroad.com/e postings/index.cfm?fuseaction=app.jobinfo&jobid=907&version=1#.XN6VW hyg8fo.twitter

**KAVLI CIVIC SCIENCE FELLOW**

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

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

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

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

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

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

**Requirements**

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

http://www.eaps.purdue.edu/
• 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

TRUSTEES APPROVE NEW LEARNING MANAGEMNT SYSTEM CONTRACT

Purdue’s Board of Trustees approved on Friday (Aug. 2) an agreement with Desire2Learn (D2L) for its product, Brightspace, to become the university’s next systemwide learning management system.

The switch will offer both improved functionality for students and faculty and an expected $2.3 million in savings for the university over the next five years.

D2L Brightspace was selected after a comprehensive systemwide review and case study-based request for proposal process. The yearlong review incorporated input from over 1,200 faculty, staff and students to evaluate three RFP respondents.

The new learning management system will replace Blackboard Learn, Purdue’s current system, beginning in the fall of 2020. There will be no disruption to Blackboard Learn in the 2019-20 academic year.

“The broad participation and hard work of the faculty-led academic task forces on each campus, as well as the staff-led technology task force, resulted in a clear direction,” said Jenna Rickus, associate vice provost for teaching and learning. “The alignment in needs and preferences across the university system was a welcome surprise.”

An implementation plan for Brightspace will be developed during the fall 2019 semester.

Source: Jay T. Akridge, akridge@purdue.edu

FACULTY SEARCH COMMITTEE WORKSHOPS SCHEDULED FOR FALL

ADVANCE Purdue is offering three fall sessions of the "ADVANCE/OVPEC Faculty Search Committee Workshop" in August, September and early November.

The workshop, which is open to faculty and administrators and required for serving on a faculty search committee, will be held 1-5 p.m. on Aug. 20 and Sept. 16 in Purdue Memorial Union’s East and West Faculty Lounges. Lunch items will be available. The final fall 2019 workshop will be held 1-5 p.m. Nov. 6 in Purdue Memorial Union’s East Faculty Lounge with lunch items available.

The workshop provides an interactive opportunity to explore and discuss search strategies and challenges. It is research-based and includes important information on unintentional bias. The workshop is conducted in a roundtable format that offers opportunity for an in-depth discussion of faculty search best practices with other faculty members across campus, including how to build a robust and diverse candidate pool.

Faculty and administrators planning to attend can register online for one of the workshops.

Any questions should be directed to De Bush at djbush@purdue.edu. The workshop and registration information also is available on the workshop page. Those interested are encouraged to register as soon as possible due to the high demand for these workshops.

The Office of the Vice President for Ethics and Compliance is committed to making all programs accessible to participants with disabilities. Individuals who require an accommodation or
assistance due to a disability for this program should contact the office before the program begins at 765-494-7255 or equity@purdue.edu.

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

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.

Writer: Andrea Mattingly, 765-496-3754

http://www.eaps.purdue.edu/
SAVE THE DATE
2019 CONFERENCE FOR PRE-TENURE WOMEN
Achieving Promotion: You Can Do It!
Conference for Pre-Tenure Women
September 5-6, 2019
Keynote Speaker: Neeli Bendapudi, Present,
University of Louisville
Keynote Title: Authentic Leadership

Neeli Bendapudi is the 19th President of the
University of Louisville. She received her Ph.D. in
Marketing from the University of Kansas and has
taught at The Ohio State University and Texas A&M
University. She most recently served as Provost and
Executive Vice Chancellor at the University of
Kansas, where she had previously been Dean and
H.D. Price Professor of Business at the KU School of
Business. Professor Bendapudi specialized in the
study of consumer behavior in service contexts. Her
research deals with customers’ willingness and
ability to maintain long-term relationships with firms
and with the brands and employees that represent
them. Her research has been published in top tier
journals including the Journal of Academic
Medicine, Harvard Business Review, and journal of
Marketing, and featured by popular media outlets
including the New York Times, CNBC, CNN, MSNBC,
WebMD and Fox News Network. She has
experience on public and private boards and
served as EVP and Chief Customer Officer of
Huntington National Bank. Her vision is to ensure
that the University of Louisville is a great place to
learn, a great place to work, and a great place to
invest, because it celebrates diversity, fosters equity,
and strives to achieve inclusion.

[See attached flyer for complete information]

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
The extent, density, and productivity of trees have been mapped globally thanks to recent technological advances, but the richness and abundance of tree species still remain uncharted, hindering biodiversity research and hampering international conservation efforts. Here, underpinned by the most comprehensive global forest inventory database (GFBi) containing ca. 55 million trees in 1.3 million forest sample plots scattered across 110 countries and territories, we mapped fine-scale spatially explicit estimates of tree species diversity at community level. Central to the fundamental understanding of forest biogeography and the planet’s biodiversity, our maps delineated global topography of tree species diversity in terms of species richness and species evenness.
Graduate & Postdoc Professional Skills Series
Fall 2019

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>
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<tr>
<td><strong>Monday &amp; Wednesday</strong></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><strong>Tuesday &amp; Thursday</strong></td>
<td></td>
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<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>
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<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>
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<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 class 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.
Purdue Collegiate Recovery Community

Are you interested in living a substance-free lifestyle?

Join us for meetings at Krach 378
Wednesdays at 7pm!

Contact Annie Covington at pcoving@purdue.edu for more details
Purdue Collegiate Recovery Community

Are you a student in recovery?
Do you want peer support?
Join us for weekly meetings Wednesdays at 7pm in Krach 378!

Contact Annie Covington at pcoving@purdue.edu for more details

Recreation & Wellness
The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Research Associate position for its collaborative research with scientists at the National Severe Storms Laboratory (NSSL) in Norman, Oklahoma. The incumbent will contribute to the Verification of the Origins of Rotation in Tornadoes EXperiment-Southeast (VORTEX-SE) project (https://www.nssl.noaa.gov/projects/vortexse/).

Background:
VORTEX-SE brings together forecasters, researchers, and social scientists to collaborate on a research program designed to understand how environmental factors characteristic of the southeastern United States affect the formation, intensity, structure, and path of tornadoes in this region. As part of the VORTEX-SE project, NSSL has deployed ground-based profilers for multiple seasons to retrieve temperature, humidity, and wind in the boundary layer. These profilers are deemed essential to understanding the rapidly-evolving environments typical of tornadic storms in the Southeast U.S. A successful candidate for this position will modernize software and instrument data systems from multiple profiling systems and contribute to the ongoing development of the technical and meteorological capabilities of the NSSL profiling systems. This position requires an individual with a strong interest in software infrastructure development, as well as a desire to contribute to scientific data analysis of the observations obtained by the NSSL profiling systems. While a candidate will need to be self-directed, he/she will work closely with members of a team made up of scientists, engineers, students, and staff from a variety of research and educational organizations (e.g., NOAA-NSSL, CIMMS, OU, and others) to accomplish the primary job responsibilities listed below.

Primary Job Responsibilities:
1. Code optimization, development, and testing of kinematic and thermodynamic profile retrieval algorithms (e.g., Doppler lidar wind retrievals, microwave radiometer thermodynamic retrievals, and atmospheric emitted radiance interferometer thermodynamic retrievals)
2. Optimization and development of a software infrastructure to support the Collaborative Lower Atmospheric Mobile Profiling System (CLAMPS) platform operation and data archival
3. Development of software tools for the research community for using boundary layer profile observations
4. Analysis of the profiler retrievals in collaboration with CIMMS and NSSL scientists to support NSSL’s mission and/or multi-institutional field programs.
Desired Qualifications:

- A MS degree in Meteorology, Computer Science, Atmospheric Science, Software Engineering, or a closely related field
- Strong computer programming skills with particular emphasis on Fortran, C/C++, and modern scripting languages (Python, NCL, Shell scripting)
- Experience with version control software, especially Git
- Experience with quality-controlling and/or visualizing meteorological data sets
- Ability to work and communicate effectively in diverse team environments

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

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

    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

Job Requisition: VSE Software Data Analyst
CIMMS Research Associate – Small Unmanned Aircraft Systems

Job Description:
The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks a research associate to assist in a new project that aims to transition small Unmanned Aircraft Systems (sUAS) into operations within NOAA. This position will be located at the NOAA/Air Resources Laboratory (ARL) Atmospheric Turbulence and Diffusion Division (ATDD) in Oak Ridge, TN. The associate will play a vital role in operating the sUAS, as well as acquiring and processing the data collected by the sUAS. The most critical task will be performing daily flights at a nearby site using ATDD’s vertical takeoff and landing (VTOL) and fixed-wing sUAS to sample boundary layer temperature, moisture, and wind fields. These datasets will be provided to the nearest National Weather Service office to assist with short-term weather forecasts. Additionally, the associate will operate ATDD’s other fixed-wing sUAS used for obtaining in-situ meteorological and flux measurements, as well as spectral characteristics of the land surface. Following data collection, the research associate will lead efforts to process the data for further analysis. This work will provide opportunities for the associate to author research papers.

Job Responsibilities:
1) Operate the sUAS on a daily basis at weather-dependent times.
2) Download and process data collected for expedited transmission to the local National Weather Service forecast office.
3) Participate in further analysis of the data, and preparation of scientific research papers.

Job Requirements:
1) United States citizen or permanent resident;
2) A B.S. degree or higher in aerospace engineering, meteorology, computer science, or a closely-related field;
3) At least three years’ experience with piloting sUAS and flight planning is desirable;
4) Expertise in one or more programming languages (IDL, C, Python, FORTRAN, etc.) is also desired;
5) CIMMS seeks candidates that are creative, have an ability to work independently, and have good communication skills;
6) The ability to travel to field study sites will also be required.

The salary will be based on qualifications and experience with benefits provided through the University of Oklahoma (https://hr.ou.edu/).

To apply for the position, please send your CV, cover letter, and list of 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
Job Requisition: ATDD Research Associate

The University of Oklahoma is an equal opportunity/Affirmative Action employer.
General
An applied research project, which is administered by the Oak Ridge Institute for Science and Education, Department of Energy, is available at the Technical Support Center (TSC) of the Office of Water, Office of Ground Water and Drinking Water, U.S. Environmental Protection Agency, in Cincinnati, Ohio. Under the guidance of a mentor, the participant will gain experience and educational benefits from this project performed at TSC.

Fellowship Research Description
The Safe Drinking Water Act (SDWA), as amended in 1996, requires the U.S. EPA to monitor up to 30 emerging contaminants in drinking water every five years. The U.S. EPA implements this requirement through the Unregulated Contaminant Monitoring Rule (UCMR). The data assists the U.S. EPA Administrator in determining whether to regulate an emerging contaminant. TSC implements the UCMR program and manages the key components of this complex regulatory effort. Currently, implementation of the fourth UCMR (UCMR 4) is taking place through 2021. TSC started the development of the rule for the fifth UCMR (UCMR 5) in 2018 and anticipates publishing the proposed rule in summer 2020. We anticipate that EPA will publish the final rule in December 2021.

The participant will carry out various research projects related to implementing UCMR 4, assessing UCMR 4 data, and developing and implementing UCMR 5. This includes research on the performance of analytical methods so that EPA can establish appropriate reporting limits and evaluate the accuracy and precision of the methods. The participant will evaluate nationwide drinking water occurrence data submitted by approved laboratories during the monitoring period. The participant will also develop problem solving skills through involvement in various areas of the UCMR program, and by encountering complex issues that arise during the development and implementation of an environmental rule. Additional research and project opportunities include:

- Learning about the SDWA, the UCMR program and the UCMR web-based data-reporting system.
- Participating on the UCMR 5 Workgroup, learning about methods development and the regulatory development process.
- Researching ways to develop and improve the database that supports UCMR 5.
- Analyzing, reviewing and evaluating environmental monitoring data in a database, including contaminant occurrence and exposure estimates, and responding to technical issues associated with these data.
- Learning how to perform on-site laboratory and data audits for newly developed analytical methods, and addressing data reporting issues.
- Writing a formal paper and presenting the information gathered from the ORISE research projects.
Eligibility
- Preference will be given to Environmental Science majors or related fields.
- Individuals must have at least a Bachelor degree by the start date.
- Individuals must have received their degree within three years of the start date.
- Candidates should possess good oral and written communication skills.
- Candidates must have strong technology skills and be skillful in Microsoft Office, specifically Word, Excel and PowerPoint.
- The participant will be selected based upon academic records, recommendations, research interests, compatibility of interests with research programs/projects at TSC, and interview(s) with TSC staff.
- The program is open to all qualified individuals without regard to race, sex, religion, color, age, physical or mental disability, national origin, or status as a Vietnam era or disabled veteran. U.S. citizenship is required.
- While ORISE participants are not U.S. EPA employees, nor does the internship culminate in U.S. EPA employment, participants are certainly welcome to apply for federal positions that may be advertised during the course of the internship.

Contact Information
Brenda Bowden
U.S. EPA, Office of Ground Water and Drinking Water (OGWDW)  
Technical Support Center (MS-140)  
26 W. Martin Luther King Dr.  
Cincinnati, Ohio 45268  
Phone: (513) 569-7961  
Email: bowden.brenda@epa.gov

Deadline & Submission Requirements
- All information required in the application (including resume, cover letter, copy of official transcripts, and references or faculty endorsement) must be included.

Additional Information
- Please see the UCMR Website for more information https://www.epa.gov/dwucmr
- The appointment is for full-time research that must be conducted at TSC in Cincinnati, Ohio.
- Anticipated starting stipend is between $43,704 and $77,523. The participant will receive a monthly stipend based upon educational level and prior experience.
- The appointment is for up to five years (beginning with one base year, which may be renewed yearly for an additional three to four years upon recommendation of TSC; the maximum duration depends on the participant’s degree).
- The participant must show proof of health insurance or must purchase it through ORISE.
- The selected candidate must submit official transcripts from all schools before the start date.
WHAT: Tornado Hazard Wind Assessment and Reduction Symposium (THWARTS)

WHEN: October 14-15, 2019

WHERE: University of Illinois at Urbana-Champaign – iHotel and Conference Center.

WHY: Better understanding of near-surface tornado wind hazards and impacts has to include a) representation from all relevant disciplines and b) true interaction between everyone performing tornado research.

WHO: Focus on wind engineering, severe storm meteorology, social science and structural engineering disciplines, but all tornado-related disciplines are welcome. Special emphasis on young researchers and students. Specific topics include experimentation, modeling/simulation, observation/measurements, and more!

Key Dates:

<table>
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<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>August 26</td>
<td>Abstract Submission and Travel Application Due</td>
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<tr>
<td>September 9</td>
<td>Notification of Abstract Acceptance</td>
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<tr>
<td>September 13</td>
<td>Discounted Hotel Rate</td>
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<tr>
<td>September 15</td>
<td>Early Symposium Registration</td>
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Partial travel funding available for students and early-career researchers.

https://thwarts.cee.illinois.edu

thwartscontact@gmail.com
“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

**TAKE 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
President Harry S. Truman Fellowship in National Security Science and Engineering

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
SAVE THE DATE

Achieving Promotion: You Can Do It!

Conference for Pre-Tenure Women
September 5-6, 2019

Keynote Speaker:
Neeli Bendapudi,
President, University of Louisville

Keynote Title: Authentic Leadership

Neeli Bendapudi is the 18th President of the University of Louisville. She received her Ph.D. in Marketing from the University of Kansas and has taught at The Ohio State University and Texas A&M University. She most recently served as Provost and Executive Vice Chancellor at the University of Kansas, where she had previously been Dean and H.D. Price Professor of Business at the KU School of Business. Professor Bendapudi specializes in the study of consumer behavior in service contexts. Her research deals with customers’ willingness and ability to maintain long-term relationships with firms and with the brands and employees that represent them. Her research has been published in top tier journals including the Journal of Academic Medicine, Harvard Business Review, and Journal of Marketing, and featured by popular media outlets including the New York Times, CNBC, CNN, MSNBC, WebMD and Fox News Network. She has experience on public and private boards and served as EVP and Chief Customer Officer of Huntington National Bank. Her vision is to ensure that the University of Louisville is a great place to learn, a great place to work, and a great place to invest, because it celebrates diversity, fosters equity, and strives to achieve inclusion.

Registration link will be available soon.
The keynote is open to all faculty.
www.purdue.edu/butler