EAPS WEEKLY NEWSLETTER
1 October 2018

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BE SURE TO CHECK OUT ALL OF THE EAPS COMMUNICATIONS MEDIA!
Facebook
Twitter
Department Magazine (Spring 2018)
Website News

DEPARTMENT NEWS

EAPS COLLOQUIA

Andrew Ault
University of Michigan
Tuesday, October 2, 2018
3:00 p.m.
PHYS 223

**Note location and time change

Mathias Vuille
State University of New York, Albany
Thursday, October 4, 2018
3:30 PM
HAMP 1252

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

MS
Shawn Simmons
October 11, 2018
10:30 AM
HAMP 3214
Carolyn Box
November 9, 2018
1:00 PM
HAMP 3201

PhD
Sheridan Ackiss
October 22, 2018
2:00 PM
ARMS 1028

NEW EAPS PUBLICATIONS/PRESENTATIONS


TG RIVERS COMEDY HYPNOTIST SHOW

On Thursday, November 1 from 6:30-8:30/pm in Hiler Theater (WALC 1050), the College of Science will be hosting a United Way Fundraiser featuring the TG Rivers Comedy Hypnotist Show here on campus. This is a professional hypnotist who will provide a fun, family friendly experience by selecting 15 volunteers from the audience to come on stage where they “will be the stars of the show”!

To help raise money for United Way and enjoy an inexpensive night of entertainment, advance tickets may be purchased for only $5 (see flyer for various locations) or $10 at the door. For a small example from one of his previous shows go to: https://www.youtube.com/watch?v=rMz5jZIV_Wc

In addition, TG Rivers will be videotaping the performance so you can order a copy of the show – what a great souvenir to take back to your family and friends; especially if you are on stage as a part of the act, or know someone else who is.

[For complete information please see attached flyer.]

NASA POSTDOCTORAL FELLOWSHIP

The NASA Postdoctoral Program offers US and international scientists the opportunity to advance their research while contributing to NASA’s scientific goals. The NPP supports fundamental science; explores the undiscovered; promotes intellectual growth; and encourages scientific connections.

Selected by a competitive peer-review process, NPP Fellows complete one- to three-year Fellowship appointments that advance NASA’s missions in earth science, heliophysics, planetary science, astrophysics, space bioscience, aeronautics and engineering, human exploration and space operations, and astrobiology.

Applications are accepted three times each year: March 1, July 1, and November 1.

For further information and to apply, visit: https://npp.usra.edu/. Please send any questions: to npphelp@usra.edu

[See attached flyer for complete information]

FACULTY SEARCH COMMITTEE WORKSHOPS SCHEDULED FOR FALL

Please see info at link below for required workshop if you plan to serve on a faculty search committee (and have not already taken the workshop).

The workshop, which is open to all faculty and administrators and required for serving on a search committee, will be held 1:15-5 p.m. on Aug. 27 and Sept. 18 in the Purdue Memorial Union’s East and West Faculty Lounges. Lunch items will be available. The final fall 2018 workshop will be held 8:15 a.m.-noon Oct. 31 in Stewart Center, Room 206, with light breakfast items available.


http://www.eaps.purdue.edu/
CoS STAFF MEETING

At the Spring CoS Staff Meeting with the Dean, several suggested that more such meetings would be very beneficial. As a result, we have scheduled a Fall/Winter meeting as well. Please mark your calendars for:

Monday, December 17
3:00-4:30 p.m.
WTHR 200
Refreshments will be served

A Qualtrics RSVP link will be sent to you closer to time, but wanted to get this notice out now so that calendars could be marked.

STUDENT NEWS

APPLYING FOR TRAVEL FUNDS

The forms to apply for travel funds must be submitted at least one month BEFORE attending conference.

ASSISTANT PROFESSOR – EARTH SCIENCE

The Earth Science Department at Southern Connecticut State University is currently seeking applicants for a tenure-track faculty position in Earth Science with an emphasis on expertise in sedimentology, stratigraphy, and historical geology.

[For completed information on position please see attached flyer]

INTEGRATING SOURCES INTO WRITING ASSIGNMENTS WORKSHOP

This workshop is aimed at helping you integrate outside sources into their writing assignments. You will learn how to quote, summarize, paraphrase, and more.

Wednesday, October 3rd
1:30 – 2:30 PM
HEAV 220

Free and open to all Purdue students, staff and faculty. Registration is required, so sign up online at https://cla.purdue.edu/wlschedule and choose the “Group Workshops” schedule from the menu.

CIMMS RESEARCH FELLOW – IMPACT-BASED DECISION SUPPORT SERVICES

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently looking for a Research Fellow to collaborate with scientists and instructors at the National Weather Service Training Center (NWSTC) in Kansas City, MO to study meteorology and the application of Impact-Based Decision Support Services (IDSS) with NWS partners. IDSS is an important component of the NWS Weather-Ready Nation roadmap, with the goal of providing easily understandable information critical to federal, regional, state, and local partners. The CIMMS Research Fellow will be responsible for assisting the Decision Support and Communications Division at the NWS Training Center with the research, development, and execution of training to support NWS employees’ ability to provide IDSS.

[See attached flyer for complete details]

ATMOSPHERIC SCIENTIST POSITION

Verisk Weather Solutions, based in Lexington, MA. Is currently looking for an Atmospheric Scientist. Verisk develops products for the insurance industry, which of course is impacted greatly by weather. They are searching for someone with strong meteorology, especially weather radar, and programming skills.

They are interested in the PyART project, and would like to devote some resources to contribute back to the project. Other open source projects may also get some attention as well. If you are interested in learning more, check out our job announcement.
CIRES/NOAA/NWS WEATHER PREDICTION CENTER HYDROMETEOROLOGICAL TESTBED PROJECT FACILITATOR

The Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado Boulder is seeking a Professional Research Assistant to provide scientific and meteorological expertise, technical and project management support for the NOAA Hydrometeorological Testbed (HMT), which is jointly organized by the NWS/Weather Prediction Center (WPC) and the OAR/Earth Systems Research Laboratory (ESRL). The position will be based at the WPC in College Park, Maryland, within the NOAA Center for Weather and Climate Prediction (NCWCP). The NCWCP is a highly collaborative environment containing several NOAA organizations, including the Environmental Modeling Center (EMC) and Climate Prediction Center (CPC). The incumbent will work with HMT staff, NOAA scientists and forecasters, and externally funded researchers to facilitate the transition of new science to NWS forecast operations for hazardous weather. Areas of particular need and interest to be addressed include the forecasting of heavy precipitation associated with land-falling tropical cyclones, warm-season convection, winter storms, and atmospheric rivers. Additional areas of focus include the use of ensemble model output and forecaster generation of probabilistic products, as well as exploring future roles of weather forecasters.

For complete listing information please go to: https://jobs.colorado.edu/jobs/JobDetail/?jobId=13029

TESTBED METEOROLOGIST – HYDROMETEOROLOGICAL TESTBED

I.M. Systems Group, Inc. (IMSG), www.imsg.com, a Federal Government Contractor, is seeking to fill a position supporting the Weather Prediction Center (WPC) of the National Centers for Environmental Prediction (NCEP), within the NOAA Center for Weather and Climate Prediction (NCWCP). The position will be based at the WPC in College Park, MD.

The NCWCP is a highly collaborative environment containing several NOAA organizations, including the Environmental Modeling Center (EMC) and Climate Prediction Center (CPC) as well as being in close proximity to the University of Maryland. The contractor will serve as a Testbed Meteorologist in NOAA Hydrometeorological Testbed at the WPC (NOAA HMT-WPC). In this capacity the incumbent will work with scientists within NOAA and partners outside of NOAA to identify and evaluate promising techniques for improved weather forecasts. The successful candidate will work with WPC meteorologists to enhance the transition of research to operations, and assist in the training of WPC staff in new techniques and tools. The incumbent will also work with other HMT-WPC staff to publish results from studies in peer-reviewed journals.

Areas of particular need and interest to be addressed include the forecasting of heavy precipitation associated with land-falling tropical cyclones, warm-season convection, and atmospheric rivers. Additional areas of focus include the use of ensemble model output and forecaster generation of probabilistic products, as well as exploring future roles of weather forecasters.

For complete listing information go to: https://careers-imsg.icims.com/jobs/1144/noa1817-testbed-meteorologist--hydrometeorological-testbed/job?mobile=false&width=1902&height=500&bga=true&needsRedirect=false&jan1offset=-300&jun1offset=-240

IDEALIST GRADUATE SCHOOL FAIR

The USC Price School of Public Policy will be at the Idealist Graduate & Professional School Fair in Chicago on October 4th! Please let your students know that we will be at the fair and look forward to the opportunity to speak with them directly about our graduate programs. The fair will be held at: Idealist Graduate School Fair University of Illinois, Chicago UIC Forum

http://www.eaps.purdue.edu/
The Price School was recently ranked #2 in the nation by US News & World Report. We offer seven professional Master’s degree programs:

- Master of Public Administration
- Master of Public Policy
- Master of Public Policy Data Science
- Master of Health Administration
- Master of Nonprofit Leadership & Management
- Master of Planning
- Master of Real Estate Development

We also offer three executive Master’s and three doctoral level programs. All programs are offered at our campus just south of downtown Los Angeles, a regional, national, and international hub of governance and enterprise for the Pacific Rim.

For more information you may visit the website at priceschool.usc.edu or the attached flyer.

PREPARING TO APPLY FOR THE FORD FOUNDATION FELLOWSHIP: A WORKSHOP FOR PhD AND POSTDOCS

Learn how to prepare a competitive application. The Ford Fellowship focuses on diversity in academia by providing funding for students who aspire to become university faculty researchers and teachers. Doctoral students in a variety of disciplines are encouraged to apply. Preference is given to applicants who have experience teaching, volunteering, or otherwise engaging with diverse communities. Sign up here: https://gspd.gosignmeup.com/public/Course/browse?courseid=2646

October 30, 2018
7:00 – 8:00 pm
WALC 2007

[See attached flyer for complete information]
GSA AND AGU RECEPTIONS

The GSA Reception is at the J.W. Marriott in Indianapolis, Room 101 on Monday, November 5, from 7-9 p.m.

The AGU Reception is at Matchbox Chinatown in Washington D.C. on Thursday, December 13, from 7-9:30 p.m.

2019 COLLEGE OF SCIENCE GRADUATE STUDENT INTERNATIONAL TRAVEL AWARDS

Applications Submission deadline is 4:00 PM November 17, 2018 for travel between January 1, 2019 and June 30, 2019. Two to three awards ranging up to $800 for international travel will be awarded. Send applications to Robin Sipes at rsipes@prudue.edu

[See attached flyer for complete information]

18th ANNUAL AMERICAN METEOROLOGICAL SOCIETY STUDENT CONFERENCE

The 2019 AMS Student Conference: Weathering Together: Building a Climate of Diverse Community Perspectives, to be held 5-6 January 2019 in Phoenix, Arizona in association with the 99th AMS Annual Meeting.

Registration is now open! Early registration will be available online until midnight EST 15 December 2018 at a rate of $50. Starting on 16 December, late registration will be available for $75. To register online, please visit the registration site and select the option corresponding to the 18th Annual AMS Student Conference. On-site registration ($75) may be available if space permits. Attendees must register separately for the 99th AMS Annual Meeting.

Submit an abstract and register for “Exceptional Undergraduate Student Presentations” Due by: 2 October 2018.

[See attached flyer for complete list of details]

POSTDOCTORAL RESEARCH SCIENTIST POSITION

The Lamont-Doherty Earth Observatory of Columbia University invites applications for a Postdoctoral Research Scientist position in atmosphere and climate dynamics. The successful candidate will work on a NSF funded project on the analysis and modeling of the mechanisms of climate variability and change on interannual to centennial timescales in the Mediterranean region. The position will be located at the Lamont-Doherty Earth Observatory in Palisades, NY in the research group of Richard Seager, Yochanan Kushnir and Naomi Henderson and will also collaborate with Isla Simpson of NCAR.

Candidates must have a PhD in atmosphere, climate, or related sciences with a concentration in atmosphere and climate dynamics and a keen interest in climate variability and change, especially hydroclimate, and its social impacts. Demonstrated skill in the ability to analyze and manipulate large and disparate datasets, familiarity with diagnosis of Reanalyses and climate models and experience in setting up and running global atmosphere models is preferred.

Appointment will be for 1 year, with second year continuation contingent on progress and funding.

Search will remain open for at least 30 days after the ad appears and will continue until the position is filled.

For further information about this position and to submit your curriculum vitae, a statement of research interests, and names and addresses of three referees, please visit our online application site at: https://academicjobs.columbia.edu/applicants/Central?quickFind=67000

HONDURAS MAYMESTER 2019

Teach in Honduras while earning 7 credits. May 13-May30, 2019. $1000 scholarships! For more information go to www.edci.purdue.edu/honduras

[See attached flyer]
The Cooperative Institute for Mesoscale Meteorological Studies at the University of Oklahoma is seeking a Research Associate with strong attention to detail and excellent programming skills to join the U.S. Department of Energy’s (DOE) Atmospheric Radiation Measurement (ARM) Program Data Quality (DQ) Office located in the National Weather Center at the University of Oklahoma in Norman, Oklahoma. The DQ Office Supports the ARM Program by serving as the first line of defense in discovering data quality issues with the final goal of providing the science community with the highest quality data possible. The primary responsibilities of the DQ Office are, in close cooperation with ARM instrument mentors, site operators, and other members of the ARM infrastructure, to create automated processes for inspection and assessment of data quality, inspect and assess the data, report detected problems and participate in their resolution, and communicate data quality findings to end-users of ARM data. Members of the DQ Office are active in many different areas of the data flow process, such as enforcing standards for data products, creating the software necessary to visualize and quality control the data, and helping to convey information about known problems to data users.

[For additional information see attached flyer]

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**APPLY NOW FOR 2019 AMS SCHOLARSHIPS AND FELLOWSHIPS**

AMS scholarships and fellowships range from $1,000 to $25,000 and are open for applications — whether you will be a college freshman or a graduate student, AMS supports your education and pursuit of a career in the atmospheric and related oceanic or hydrologic sciences.

- **21 Senior Scholarship awards ranging from $2000 to $10,000 are available in 2019 for outstanding undergraduate students entering their final year of study. Applications are due on 8 February 2019.**

- **AMS Graduate Fellowships include a $25,000 stipend and partial travel support to attend the AMS Annual Meeting. Applications are due on 11 January 2019.**

- **The AMS Freshman Undergraduate Scholarship program is open to all high school students and designed to encourage study in the atmospheric and related sciences. Applications are due on 8 February 2019.**

- **AMS Minority Scholarships award funding to minority students who have been traditionally underrepresented in the sciences, especially Hispanic, Native American, and Black/African American students. Applications are due on 8 February 2019.**

To learn more and apply click [here](#).

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**NSF 2026 IDEA MACHINE COMPETITION**

The National Science Foundation (NSF) announces the launch of the [NSF 2026 Idea Machine](#), a prize competition to help set the U.S. agenda for fundamental research in science, technology, engineering, and mathematics (STEM) and STEM education. Participants can earn cash prizes and receive public recognition by suggesting the pressing research questions that need to be answered in the coming decade, the next set of “Big Ideas” for future investment by NSF. It’s an opportunity for researchers, the public and other interested stakeholders to contribute to NSF’s mission to support basic research and enable new discoveries that drive the U.S. economy, enhance national security and advance knowledge to sustain the country’s global leadership in science and engineering.

Entries will be accepted through October 26, 2018. For more information, including entry instructions, eligibility, rules, and judging criteria, please visit the [NSF 2026 Idea Machine website](#).
APPLICATION FOR POSTDOCTORAL RESEARCH ASSOCIATE

The Atmospheric and Oceanic Sciences Program at Princeton University in cooperation with NOAA’s Geophysical Fluid Dynamics Laboratory (GFDL) seeks a postdoctoral researcher or more senior position to conduct studies on the predictability of seasonal hydroclimate extremes. This position is a part of the Forecasting a Continuum of Environmental Threats (FACETs) project, which is a proposed next-generation hazardous weather paradigm that utilizes probabilistic information as its foundation. FACETs will leverage physical and social science research to support a system that is modern, flexible, and designed to communicate clear and simple hazardous weather, water, and climate information to serve society. FACETs supports NOAA’s Weather-Ready Nation initiative to build community resilience in the face of increasing vulnerability to extreme weather, water, and climate events.

Complete applications, including cover letter, a curriculum vitae, a publication list, and contact information for three references, must be submitted online to https://www.princeton.edu/acad-positions/position/8341.

GRADUATE & POSTDOC PROFESSIONAL DEVELOPMENT SERIES

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

All workshops will be held in SMTH 118
From 5:00 PM to 6:30 PM

Tuesday, October 2
- Negotiation Skills
  - Learn how to evaluate and negotiate a job offer.

No RSVS needed. SMTH 118 can seat 70; arrive early to find seating! Questions please Email: askCCO@purdue.edu.

JILL HRUBY FELLOWSHIP SEEKING APPLICANTS

We are now accepting applications for the 2019 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. Deadline for applying is November 1, 2018.

[See attached flyers for additional information]

FREE EVENING SCIENCE HELP CENTER

BIOLOGY + CHEMISTRY + MATH

COSINE (College of Science Instructional Nightly Enrichment) is a FREE tutoring program to help students succeed in first year science courses. COSINE offers event tutoring right in your own backyard. Our goal is to help you develop problem-solving skills needed to do your homework. Please visit one of our locations for assistance.

For optimal tutoring results, bring your text books and class notes.

COSINE at Shreve Hall
Room C107
University Residences Support Center
Monday & Wednesday 7:30 – 10:00 pm
Tuesday & Thursday 6:00 – 9:00 pm

PRESIDENT HARRY S. TRUMAN FELLOWSHIP IN NATIONAL SECURITY SCIENCE AND ENGINEERING

Sandia National Laboratories is seeking applicants for the President Harry S. Truman Fellowship (in National Security Science and Engineering).

http://www.eaps.purdue.edu/
Candidates for this position are expected to have solved a major scientific or engineering problem in their thesis work or 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 appointee is expected to foster creativity and to stimulate exploration of forefront science and technology and high-risk, potentially high-value research and development.

The application deadline is November 1 of the year prior to the October start date.

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

CLIMATE PROGRAM OFFICER

This is a staff position at the David & Lucile Packard Foundation and the search is being handled by Waldron. The position description is available here. This is a new PO position at the Foundation – the individual will direct our grantmaking on bioenergy and will also be our point person for work on Carbon Dioxide Removal. Candidates must have a minimum of 5 years of relevant leadership experience promoting changes in society, markets, governments, or the private sector.

WOMEN IN SCIENCE REGIONAL CONFERENCE

The 2018 Organizational Committee for the Women in Science Conference (WISC) is returning this October. This three-day event will be hosted by the Association for Women in Science, Notre Dame Chapter (AWIS-ND) and will be held from October 5-7. This is a conference designed by graduate students for graduate students! The Conference is designed to provide graduate student women in science, technology, engineering, and mathematics a venue for networking and professional development.

[See flyer for additional information]

UNIVERSITY NEWS

FACULTY AFFAIRS INITIATIVES UP-TO-DATE WITH DEADLINES FOR 2018-2019

The website for faculty affairs initiatives in up-to-date with the deadlines for FY 2018-2019 and descriptions of the programs.

https://www.purdue.edu/provost/faculty/facultyInitiatives/facultyInitiatives.html

Should you have any questions, please contact Jessica Huber (jhuber@purdue.edu).

APSAC ACCEPTING APPLICATIONS FOR PROFESSIONAL DEVELOPMENT GRANTS

APSAC has opened the fall application cycle for its individual professional development grants as of Sept. 1. Examples of funded grant applications include but are not limited to professional education or certification; attendance at lectures, conferences and seminars; or tuition assistance for academic classes.

The maximum award amount is $750. Applications for fall grants will be considered for activities occurring from July 1, 2018, to June 30, 2019.

The application process will be completed online, and the deadline is 11:59 p.m. ET Oct. 1 for this grant period. More information and a link to the online application are available here.

Questions may be directed to the Professional Development Subcommittee at APSAC-PD@purdue.edu.
SOFTWARE CARPENTRY WORKSHOP

ITaP Research Computing will offer a free Software Carpentry workshop on **Monday, Oct. 8, and Tuesday, Oct. 9**, for researchers who are interested in learning and enhancing their research computing skills.

The event is open to Purdue students and faculty and anyone else interested in using high-performance computing in their research. It replaces the UNIX 101 and Clusters 101 workshops previously offered by ITaP Research Computing.

The workshop will take place from 9 a.m. to 5 p.m. both days in Rawls Hall, Room 1057. Space is limited so those wishing to attend should register soon. Participants should register through Eventbrite. New material will be covered each day, so participants should attend both days.

Software Carpentry’s mission is to help scientists and engineers get more research done in less time and with less pain by teaching them skills for research computing. This hands-on workshop will cover basic concepts and tools, including program design, version control, data management, and task automation. Participants will be encouraged to help one another and to apply what they have learned to their own research problems. More information, including a schedule for each day of the workshop can be found here.

No prior knowledge of the tools that will be presented at the workshop is necessary. Participants should bring a laptop (not a tablet or Chromebook) with a Mac, Linux, or Windows operating system that they have administrative privileges on. Participants should also install the specific software packages described here.

For more information about this workshop, email Eric Adams, who coordinates training for ITaP Research Computing, [ewa@purdue.edu](mailto:ewa@purdue.edu).

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CELEBRATIONS

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lisa Welp-Smith</td>
<td>October 1</td>
</tr>
<tr>
<td>Ernest Agee</td>
<td>October 2</td>
</tr>
<tr>
<td>Phillip Smith</td>
<td>October 2</td>
</tr>
<tr>
<td>Wen-Yih Sun</td>
<td>October 4</td>
</tr>
</tbody>
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[See attached flyer for abstract and information]

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DR. RUSSELL A. MITTERMEIER, 2018 INDIANPAOLIS PRIZE WINNER

Purdue University College of Veterinary Medicine Presents Biodiversity Conservation: A Global Priority. Approaches to Saving Our Natural World with Particular Reference to Primates and Tropical Forests by Dr. Russell A. Mittermeier, 2018 Indianapolis Prize Winner, on

**Monday, October 10, 2018**
LYNN 1136
10:30 AM

[http://www.eaps.purdue.edu/](http://www.eaps.purdue.edu/)
IMPORTANT NOTICE ABOUT THIS NEWSLETTER

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

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

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

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

http://www.eaps.purdue.edu/
Catching the Freshwater Wave: Impacts of Lake Spray Aerosol on Climate and Health in the Great Lakes Region

Andrew Ault
University of Michigan

Aerosol production from wave breaking is one of the most abundant sources of aerosol globally, but emissions from freshwater lakes are poorly understood in comparison to sea spray aerosol (SSA). Studies of LSA are needed as models, at present, utilize SSA parametrizations for freshwater systems. Herein, lake spray aerosol (LSA) from freshwater has only recently been observed and our research has that LSA has unique chemical and physical properties. We have detected LSA along the coasts of the Great Lakes, inland, and aloft at cloud heights using a suite of microscopy, spectroscopy, and mass spectrometry measurements. Thus, LSA has the potential to impact climate regionally near freshwater lakes. In addition, we have observed that LSA physicochemical properties are distinctly modified when emitted harmful algal blooms (HABs), which has the potential to release toxins, such as microcystins. As LSA can be generated and act as CCN, IN or eject toxic materials from harmful algal blooms, an improved understanding of LSA emission and physicochemical properties is needed to determine the impacts on climate and health in the Great Lakes region.
Rapid Decline of Snow and Ice in the Tropical Andes - Impacts, Uncertainties and Challenges Ahead

Mathias Vuille
SUNY-Albany

Glaciers in the tropical Andes have been retreating rapidly for the past several decades. This loss of ice leads to a temporary increase in dry season water supply downstream, but in the long-term dry season river discharge from glacierized catchments will be reduced. This glacier retreat is closely related to the observed increase in air temperature in the region, exacerbated by elevation-dependent feedbacks that enhance high-altitude warming. Future projections using a simple freezing level height-equilibrium-line altitude scaling approach suggest that glaciers near the equator may be most vulnerable to future warming while glaciers in the more arid outer tropics, such as in Bolivia, may persist, albeit in a smaller size, throughout the 21st century regardless of emission scenario. The reduction in water supply for export-oriented agriculture, mining, hydropower production and human consumption are the most commonly discussed concerns associated with glacier retreat, but many other aspects including glacial hazards, tourism and recreation, and ecosystem integrity are also affected by glacier retreat. While much attention has been focused on the water supply-side, comprehensive adaptation strategies, if they are to be successful, need to also put a stronger emphasis on the demand side. Hence they must also consider societal needs, economic agendas, political conflicts, socioeconomic inequality and cultural values. This presentation will review the need for adaptation as well as the challenges and constraints many adaptation projects are faced with, and lays out future directions where opportunities exist to develop successful, culturally acceptable and sustainable adaptation strategies.
Come see hypnotist T.G. RIVERS bring his award-winning, family-friendly comedy hypnosis act to campus!
Brought to you by Purdue College of Science and Royal Plumbing, with proceeds benefiting United Way

Thursday, November 1, 6:30 p.m. (doors open at 6)
Hiler Theater (WALC 1050)
Only $5 in advance; $10 at the door

Wristbands can be purchased in advance from:
HAAS 164 / HAMP 2169 / MATH 931 / LILY 1-118 / LWSN 3144-A / WTHR 265

*So as not to distract from the show, no persons under the age of 5 permitted.
*No admittance once show begins until after hypnosis is completed.

PURDUE UNIVERSITY

LIVE UNITED
United Way
The NASA Postdoctoral Program provides fellowships to conduct cutting-edge research at NASA Centers and NASA-affiliated research institutes.

Appointments renewable up to three years

Stipends begin at $60,000 with increases depending on locality and seniority

Open to U.S. citizens, Lawful Permanent Residents, and Foreign Nationals (eligible for J-1 status)

Postdoctoral and Senior Fellowships available

$10,000 for support of professional travel per year

Health insurance and relocation assistance available

Research Areas

Aeronautics and Engineering
Astrobiology
Astrophysics
Biological Sciences
Cosmochemistry
Earth Science
Heliophysics Science
Planetary Science
Technology Development
Science Management

Opportunities

npp.usra.edu/opportunities/

Apply

npp.usra.edu

Women, minorities, and members of underrepresented communities are encouraged to apply.

DUE

March 1
July 1
November 1

Contact

npophelp@usra.edu

Administered by Universities Space Research Association
Department: Earth Science
Rank: Assistant Professor
Specialization(s): Sedimentology, Stratigraphy, and Historical Geology
Search # 19-002

Located in historic New Haven, a city rich in art and culture, Southern Connecticut State University is a diverse and student-centered university dedicated to academic excellence, access, and service for the public good. Southern provides a supportive and welcoming environment for all members of its community through a campus wide commitment to social justice. SCSU is a flourishing community of approximately 10,000 students, located less than three miles from downtown New Haven, with easy access to New York and Boston.

Brief Description of Duties/Responsibilities:

Southern invites applications from individuals who believe in the mission of public higher education and are committed to outstanding teaching and scholarship/creative activity. Successful candidates will be disciplinary scholars devoted to a student-centric approach.

The Earth Science Department is seeking to fill a tenure-track position at the rank of Assistant Professor in Sedimentary Geology to begin August 2019. We seek a broadly educated, collegial, field-oriented geoscientist with expertise in areas of sedimentary geology including sedimentology, stratigraphy, and invertebrate paleontology. The Earth Science Department at SCSU consists of five full-time and eight adjunct faculty who support a broad-based earth science curriculum with concentrations in geology, environmental earth science, and earth science secondary education (7-12). Details regarding existing programs and facilities can be found on the departmental webpage.

The successful candidate is expected to develop a field-based research program that fosters faculty-student collaboration. Teaching responsibilities may include introductory geoscience courses for non-science majors, sedimentology/stratigraphy, historical geology, and invertebrate paleontology. The candidate must demonstrate the potential for excellence in teaching, mentoring, and research with undergraduates. All faculty at SCSU share in academic advising and participate in department/university service. Normal teaching load is 12 credit-hours per semester.

Tenure-track faculty at SCSU are expected to conduct creative activity/research in their area of expertise. These activities include, but are not limited to: research leading to publication of books and/or articles in academic and professional journals, efforts to seek funding in support of research and teaching needs, and contributions to workshops and conferences.

Required Qualifications:

A Ph.D. in the geosciences. ABD candidates are welcome to apply but must have Ph.D. in hand by the time of appointment. Candidates must also provide evidence of a strong background in the fundamentals of geology and a commitment to undergraduate teaching, research, and service.

Preferred Qualifications:

Minimum of three years of college-level teaching experience either as an instructor or teaching assistant with demonstrated commitment to undergraduate teaching, student-centered research, and service. Broad training in the earth sciences including familiarity with geology, meteorology, oceanography, and astronomy. Experience in teaching general education courses for non-science majors in the areas of geology. Experience in teaching upper-division undergraduate earth science courses in sedimentology/stratigraphy, historical geology, and invertebrate paleontology. Strong record of scholarly research in the geological sciences. Experience with field studies and data collection using modern equipment and instrumentation. Desire and ability to develop an externally funded, field-oriented, undergraduate-friendly research program. Experience and/or interest in the geology of the Northeastern United States.

Application Process:

Please send curriculum vitae, a statement of teaching and research interests/experience, copies of graduate transcripts (unofficial transcripts acceptable), and contact information for three professional references to: Earth Science Department Search Committee Chair at ESCsearch1@ southernct.edu. All application materials must be submitted electronically in a single file (PDF preferred). For best consideration, materials should be received by Friday, October 19, 2018. The position will remain open until filled.

SCSU is an Affirmative Action/Equal Employment Opportunity employer. The University seeks to enhance the diversity of its faculty and staff. People of color, women, veterans, and persons with disabilities are strongly encouraged to apply.

A Campus of the Connecticut State University System
An Equal Opportunity University
Workshop: Integrating Sources into Writing Assignments

Wednesday, October 3rd | 1:30 - 2:30 PM
HEAV 220

This workshop is aimed at helping you integrate outside sources into their writing assignments. You will learn how to quote, summarize, paraphrase, and more.

Free and open to all Purdue students, staff and faculty. Registration is required, so sign up online at https://cla.purdue.edu/wlschedule and choose the “Group Workshops” schedule from the menu.
CIMMS Research Fellow – Impact-Based Decision Support Services

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently looking for a Research Fellow to collaborate with scientists and instructors at the National Weather Service Training Center (NWSTC) in Kansas City, MO to study meteorology and the application of Impact-Based Decision Support Services (IDSS) with NWS partners. IDSS is an important component of the NWS Weather-Ready Nation roadmap, with the goal of providing easily understandable information critical to federal, regional, state, and local partners. The CIMMS Research Fellow will be responsible for assisting the Decision Support and Communications Division at the NWS Training Center with the research, development, and execution of training to support NWS employees’ ability to provide IDSS.

The duties of this position are:

1) Develop expertise in the methods and delivery of Impact-Based Decision Support Services (IDSS).

2) Develop skills in creating effective adult learning strategies for in-person and distance learning coursework.

3) Participate in IDSS simulations and exercises with NWS employees and core partners to study the effectiveness of IDSS communication methods.

4) Perform related duties as assigned to support the development and delivery of IDSS training.

5) Develop skills in distance learning and communications software including Articulate, PowerPoint, and Adobe.

6) Review technical and professional publications, and attend seminars to stay abreast of current developments in meteorological, hydrological, and IDSS applications.

7) Attend meetings and professional conferences to understand new meteorological, hydrological, and IDSS applications and interact with the operational community.

The minimum qualifications for the position are:

1) A Master’s Degree in Meteorology, Atmospheric Science, or related area;

2) Or a Bachelor’s Degree in Meteorology, Atmospheric Science, or related area and at least three years’ experience in operational meteorology, operational hydrology, applied research, or emergency management;

3) Emphasis will be placed on applicants with experience in: operational forecasting, science communications, and adult education.
This is a dynamic position which requires excellent interpersonal communication skills. The successful applicant will be self-motivated, skillful at time and project management, and have a willingness to learn. Applicants should identify expertise with any of the following areas:

- Operational forecasting,
- Providing decision support information,
- Social Science,
- Adult education, and
- Experience with emergency management or similar fields.

Please also indicate experience with National Weather Service systems and commercial software applications specifically Dreamweaver, Articulate, PowerPoint, and other graphic design programs and software.

Normal working hours will be observed except for occasional irregular hours during the execution of simulation-based residence courses and workshops. The successful candidate will receive training in both NWS and FEMA curriculum, interact with NWS employees from all over the country, and gain expertise in delivering meteorological and hydrological information via decision support services. This position is located in Kansas City, MO.

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

Beginning salary is based on experience and qualifications. The position is a **limited-term 18-20 month** appointment and has the standard university insurance benefits but does not include retirement.

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  
ATTN: NWSTC IDSS

_The University of Oklahoma is an equal opportunity/Affirmative Action employer._
IDEALIST GRADUATE SCHOOL FAIR
October 4th, 5:00pm -8:00pm
University of Illinois, UIC Forum
725 W. Roosevelt, Chicago IL 60608

- All undergraduate majors welcome
- No work experience necessary
- Ranked 2nd in the country
  - U.S. News and World Report
- Merit-based scholarships
  - Available to both domestic and international students

The mission of the USC Price School of Public Policy is to improve the quality of life for people and their communities, here and abroad. We achieve this mission through education and research that promote innovative solutions to the most critical issues facing society. We offer master’s programs in Public Administration, Public Policy, Health Administration, Urban Planning, Nonprofit Leadership & Management, and Real Estate Development.

The Price School offers:

- 7 Professional Master’s Degree Programs
- 3 Executive Master’s Degree Programs
- 3 Doctoral Programs
Preparing to Apply for the Ford Foundation Fellowship: A Workshop for PhD Students and Postdocs

October 30, 2018
7:00 – 8:00 pm
Location: WALC 2007

Learn how to Prepare a Competitive Application

The Ford Fellowship focuses on diversity in academia by providing funding for students who aspire to become university faculty researchers and teachers. Doctoral students in a variety of disciplines are encouraged to apply. Preference is given to applicants who have experience teaching, volunteering, or otherwise engaging with diverse communities.

Eligibility Requirements:
- U. S. citizens, U.S. nationals, U.S. permanent residents (holders of a Permanent Resident Card), as well as individuals granted deferred action status under the Deferred Action for Childhood Arrivals Program (DACA) program¹, political asylees, and refugees, regardless of race, national origin, religion, gender, age, disability, or sexual orientation
- Individuals committed to a career in teaching and research at the college or university level in a research-based field of science, social science, or humanities

Predoctoral Fellowship:
- Open to PhD students with four or more years left before graduation as of Fall 2018; fellowship provides a stipend for three years

Dissertation Fellowship:
- Open to PhD students who plan to graduate in May or August 2019; fellowship provides funding for their final year

Postdoctoral Fellowship:
- Open to PhD students graduating in December 2018 or current postdocs; fellowship provides one year of support

Sign up Here:
2019 College of Science
Graduate Student
International Travel Awards

Application Submission Deadline: 4:00 PM November 17, 2018

For travel between January 1, 2019 and June 30, 2019

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

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

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

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

Send applications to Robin Sipes at rsipes@purdue.edu
We are thrilled to announce the 2019 AMS Student Conference: **Weathering Together: Building a Climate of Diverse Community Perspectives**, to be held 5-6 January 2019 in Phoenix, Arizona in association with the 99th AMS Annual Meeting.

**Important eligibility requirement:** You must be an active 2019 AMS student member to attend the AMS Student Conference, and you must be a student to present a poster at the Poster Session!

Sessions will include invited speakers from the private, broadcast, academic, and government sectors, and will engage and excite students about potential career options and recent research in the atmospheric sciences. Interactive sessions will include (1) an integrated warning team workshop, (2) a resume workshop, and (3) a broadcast tape swap. During the conference, a career fair and networking evening will provide a forum for students to interact personally with potential employers and graduate institutions. In addition, a poster session at the conclusion of the conference will provide a great opportunity for students to showcase their research. The student conference is intended for junior and senior undergraduates and early graduate students, but it is open to all students.

**Registration**

Registration is now open! Early registration will be available online until midnight EST **15 December 2018 at a rate of $50**. Starting on 16 December, late registration will be available for $75. To register online, please visit the [registration site](#) and select the option corresponding to the 18th Annual AMS Student Conference. On-site registration ($75) may be available if space permits. Attendees must register separately for the 99th AMS Annual Meeting.
Submit an abstract and register for “Exceptional Undergraduate Student Presentations”
Due by: 2 October 2018

We encourage active AMS student members to submit abstracts. All accepted abstracts will be scheduled as poster presentations for the Student Conference Poster Session during the evening of Sunday, 6 January 2019. The poster session is a fantastic opportunity for students to showcase their work to peers and potential collaborators. Presenters will also have the opportunity to participate in the 2019 Student Conference Poster Competition. We welcome abstract submissions about student projects from across the atmospheric and related sciences, and we hope to accommodate all submitted abstracts at the poster session.

New this year, select students will have the chance to present their work during a special session on Tuesday during the AMS Annual Meeting. This session, titled “Exceptional Undergraduate Student Presentations,” will feature four dedicated students with diverse research backgrounds and give them the opportunity to present their work orally to the larger AMS community.

Guidelines for the AMS Student Conference Poster Session and corresponding Poster Competition as well as for the Exceptional Undergraduate Student Presentations are available here. Please submit your abstract online by 2 October 2018 and ensure you have applied for or renewed your AMS student membership prior to submitting your abstract. To submit an abstract free of charge and register for the Exceptional Undergraduate Student Presentations session, visit the AMS confex and select the relevant session. Authors of accepted presentations will be notified via e-mail by mid-November 2018.

Sponsors and Organizers
The 18th Annual AMS Student Conference is organized by the AMS Student Conference Planning Committee and is sponsored by the American Meteorological Society.

To keep up to date on AMS Student Conference news, search Facebook for “AMS Student Conference” and Twitter for “@AMSSStudentConf”.

For additional information, please contact the program chairpersons:

● Gaige Kerr, Johns Hopkins University (gaige.kerr@jhu.edu)
● Matt Flournoy, University of Oklahoma (mflournoy37@gmail.com)
● Kenzie Krocak, University of Oklahoma (mjkrocak@gmail.com)

We hope you join the festivities in Phoenix!
HONDURAS MAYMESTER 2019

$1000 Scholarships!

CALLOUT
September 20
5:30 p.m.
BRNG 4180
Free Pizza

- Teach in Honduras!
- Earn 7 Credits
- Earn a Global Studies Minor
- May 13-May 30, 2019
- Visit Copán, the Mayan ruins and the Caribbean Sea!

Program Director: JoAnn Phillion — phillion@purdue.edu
more information: www.edci.purdue.edu/honduras
ARM Data Quality Office – Research Associate

The Cooperative Institute for Mesoscale Meteorological Studies at the University of Oklahoma is seeking a Research Associate with strong attention to detail and excellent programming skills to join the U.S. Department of Energy’s (DOE) Atmospheric Radiation Measurement (ARM) Program Data Quality (DQ) Office located in the National Weather Center at the University of Oklahoma in Norman, Oklahoma. The DQ Office Supports the ARM Program by serving as the first line of defense in discovering data quality issues with the final goal of providing the science community with the highest quality data possible. The primary responsibilities of the DQ Office are, in close cooperation with ARM instrument mentors, site operators, and other members of the ARM infrastructure, to create automated processes for inspection and assessment of data quality, inspect and assess the data, report detected problems and participate in their resolution, and communicate data quality findings to end-users of ARM data. Members of the DQ Office are active in many different areas of the data flow process, such as enforcing standards for data products, creating the software necessary to visualize and quality control the data, and helping to convey information about known problems to data users.

The duties of this position are:

- Develop software for displaying, inspecting, and assessing ARM data
- Help maintain and improve our web-based tools http://dq.arm.gov
- Work with ARM personnel to improve and develop new data quality analysis techniques and visualizations
- Facilitate problem resolution and communication of data quality problems with ARM infrastructure
- Mentor undergraduate student analysts who assist in the analysis of ARM data
- Participate in relevant data quality research projects as opportunities arise
- Represent the DQ Office at meetings and conferences
- Perform related duties as assigned

The minimum qualifications for this position are:

- M.S. in atmospheric science, earth system science, meteorology, or related field
- Strong computer programming skills, particularly in command-line Linux environments

Preference will be given to applicants with:

- Knowledge, experience, or previous education focusing on meteorological instrumentation, atmospheric chemistry and/or aerosols, radar, lidar, or atmospheric fluxes
- Experience or familiarity with meteorological or model data analysis, including scientific data formats such as netCDF, HDF, or GRIB
- Experience performing data analysis and visualization with Python; consideration will also be given for work done with other languages such as IDL, Matlab, Perl, or R
- Knowledgeable in new and emerging programming techniques, such as machine learning or big data analysis
- Experience with revision control systems such as Git or SVN
- Experience with web programming (Javascript, PHP, HTML, CGI, etc.)

The beginning salary will be competitive for this position, and will be dependent on experience. The University of Oklahoma provides a generous benefits package. Information on benefits may be found at https://hr.ou.edu/Employees. The position will remain open until a suitable candidate is identified.

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 – ARM Data Quality

*The University of Oklahoma is an equal opportunity/Affirmative Action employer.*
Jill Hruby Fellowship Program

The Jill Hruby Fellowship Program recognizes and honors the achievements of Jill Hruby who served as President and Director of Sandia National Laboratories from 2015 to 2017, spent 34 years at Sandia, and was the first woman to be appointed director of a large multidisciplinary national security laboratory. The Fellowship’s purpose is to attract and recruit women in engineering and science fields interested in technical leadership careers in national security. All qualified applicants will be considered for the Fellowship.

Selection will be based on a comprehensive application and interview process. Special attention will be given to recruiting and attracting outstanding women with demonstrated academic achievement and leadership capabilities. The intent is that over time, this Fellowship will become a nationally recognized program that will attract top talent to Sandia and may serve the DOE complex and the nation.

Program Design
As postdoc employees of Sandia, Jill Hruby Fellows will conduct independent research and development that supports Sandia’s purpose: to develop advanced technologies that ensure global peace. Fellows will propose their own research topic and benefit by having access to Sandia’s state-of-the-art facilities and collaborating with some of the nation’s best scientists and engineers. Fellows may work at either of Sandia’s principal locations in Albuquerque, New Mexico or Livermore, California.

A member of Sandia’s technical staff with experience/interest in the area of research proposed by the Fellow will be assigned to mentor the Fellow. This emphasis on research mentoring enables Fellows to become integral members of Sandia R&D teams while acquiring unique skills during their early career development. Candidates must have identified a mentor prior to applying. If you need assistance finding a mentor to sponsor your application, please contact the coordinator, ksmithc@sandia.gov (see item i. on page 3)

Leadership Development
In addition to technical mentorship, Fellows will participate in a unique leadership development program that will prepare them for career advancement as recognized leaders in their field or institution. For example, fellows will:

- Participate in a Leadership Development Program. The skills and lessons of the program are built around four key themes:
  - Understanding character and values and the impact they have on leadership, behavior, and decision-making
  - Knowing how to think versus what to think
  - Gaining exposure to, increasing knowledge of, and building relationships with leaders, the institution, and other external entities
Applying tools for thinking, leading, and communicating with confidence and courage through changing circumstance

- Be formally mentored by the Chief Research Officer and/or the Sandia California Associate Labs Director for Division 8000. This mentorship will benefit the selected participant through:
  - Increased awareness of Sandia and its overall culture
  - Enhanced personal and professional effectiveness
  - Opportunity to develop interpersonal and work skills
  - Access to an impartial “sounding board”

- Participate in selected external leadership development symposia for technical leaders and gain exposure at the national level to policy matters related to national security by spending time at Sandia’s Washington, DC office and other sites.

- Serve as an ad-hoc member on one of the laboratories Leadership Teams, beginning second year of fellowship as an observer/listener, third year as a participant/contributor. This will allow the fellow to gain knowledge and experience in the overall management of the laboratory and the associated responsibilities that are important in the operations of the laboratory. In addition, the Fellow will develop and understand the behaviors and competencies required to operate a national security laboratory.

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

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 deep understanding 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

Benefits

SAND2018-8270 O
July 27, 2018
Sandia's competitive wage and benefits package for this Fellowship will include 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.

Application Procedure

The Jill Hruby Fellowship is a three-year appointment that typically will begin on October 1. The application deadline for fellows will be November 1 of the year prior to the October start date. All qualified applicants will be considered without regard to race, color, religion, sex (including pregnancy, gender identity, and sexual orientation), national origin, age, disability or genetic information or other legally protected status.

To be considered, applicants must:

- Submit a CV online to job # 662647
- Submit, in the same document as the CV, up to 10 pages describing: a research proposal* (~5 pages), and a statement (~5 pages) describing leadership experience and interest, interest in the position from a national security point of view, and long-term career plans.
- Include the following information on a cover sheet:
  a. Full name
  b. Current address, e-mail address, and permanent address for notification
  c. Telephone and/or cell numbers
  d. Title of proposed research project
  e. Title of doctoral thesis/dissertation
  f. Planned starting date of the Fellowship
  g. Ph.D. granting institution and year of receipt (or date expected)
  h. A listing of all countries of which applicant is a citizen
  i. Name of a Sandia person/organization that fits your research interest and with whom you have discussed your research interests *
- Request reference letters from three nationally recognized scientists, external to Sandia, in relevant disciplines who are knowledgeable about the candidate’s capabilities and previous research, and who have been provided a copy of the candidate’s research proposal. An additional letter from a Sandia expert is acceptable. The letters should not be included in the application itself, but should be sent by the author directly to Sandia to ksmithc@sandia.gov on official letterhead and signed by the author.
- An official copy of undergraduate and graduate transcripts must be provided directly by the university to the coordinator, ksmithc@sandia.gov .

All application materials must be received electronically by midnight Thursday November 1st, 2018

*Provide a clear objective of the research, the expected results, and the impact that the proposed work may have on Sandia's technical capabilities. State the planned approach in order to clarify the direction of the research. Propose a schedule for the research and explain the importance and benefits to Sandia.
 Seeking Applicants!

We are now accepting applications for the 2019 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.

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 (10/1/2019)
• 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:
http://www.sandia.gov/careers/students_postdocs/fellowships/hruby_fellowship.html

Equal opportunity employer/Disability/Vet/GLBT 07/2018
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 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 appointee is expected to foster creativity and to stimulate exploration of forefront 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 is November 1 of each year and normally begins on October 1 the following year.

Requirements:

Candidates must meet the following requirements:

• PhD awarded within the past three years at the time of application or completed PhD requirements by commencement of appointment
• Excellent academic and research qualifications
• Evidence of exceptional technical accomplishments, leadership, and ability to thrive in a dynamic, team-oriented environment
• Candidates must be seeking their first national laboratory appointment (pre-postdoc internships acceptable)
• Ability to obtain a DOE “Q” 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 on “View all Jobs”
Search “Truman Fellowship” or Job ID: 661914
Women in Science Regional Conference

Notre Dame, IN

Networking & Professional Development

- Academic advice panel
- Work outside of academia panel
- Research & publications panel
- Workshops & resume reviews
- Oral presentations
- Poster session
- Publishing exhibition
- Cocktail networking & social

Registration opens June 18th

#2018WISC

awis.nd.edu/WSC
awis@nd.edu
Biodiversity is the sum total of life on Earth, a living legacy to future generations. What is more, it is an essential underpinning for all human development since, as living creatures ourselves, we depend on the natural world in countless ways. Sadly, biodiversity is being lost almost everywhere on our planet, especially in tropical forests, the richest of all terrestrial ecosystems.

Dr. Russ Mittermeier is a global conservation hero working to protect those incredible places and the species that call them home. A biologist and lifelong conservationist with more than 45 years in the field, Dr. Mittermeier is as comfortable in the boardroom as he is in the jungle. Through his quest to save biodiversity hotspots he’s traveled across 169 countries, discovered more than 20 species new to science, and even has eight named after him!

In this presentation, Dr. Mittermeier discusses why we should be concerned about other life forms with which we share our planet, how we set priorities for conservation action, and where we have succeeded in achieving our objectives. He will, in particular, focus on nonhuman primates, our closest living relatives, 90 percent of which are found in tropical forests, and the strategies employed by Dr. Mittermeier and the IUCN Species Survival Commission Primate Specialist Group over the past 40 years. Dr. Mittermeier is the Chief Conservation Officer for Global Wildlife Conservation, Chair of the IUCN/SSC Primate Specialist Group, and 2018 Indianapolis Prize winner.

Widely viewed as the world’s leading award for animal conservation, the Indianapolis Prize is a significant, internationally recognized conservation initiative of the Indianapolis Zoological Society, Inc., supporting scientists across the world who are successfully preserving wild things and wild places for future generation. Learn more about his journey at IndianapolisPrize.org.