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DEPARTMENT NEWS

INSIDE EAPS NEWSLETTER

Read all of the latest news in our department magazine, Inside EAPS, including Antarctica research, public outreach, and clean energy for hybrid vehicles. The latest version of Inside EAPS newsletter can be found here:  https://goo.gl/47U9VP

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

Facebook  
Twitter  
Department Magazine  
Website News

EAPS COLLOQUIA

Jack Kaye  
Associate Director for Research, Earth Science Division NASA-Science Mission Directorate  
Thursday, November 9, 2017  
3:30 PM  
HAMP 1252

http://www.eaps.purdue.edu/
**CONSTRUCTION PROJECTS FOR CE**

Please review the attached list of upcoming constructions projects for the HAMP building.

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**STUDENT NEWS**

**STUDENT REGISTRATION APPOINTMENTS**

If you have not signed up for your registration appointment. Log onto Boiler Connect and book an appointment that best fits your schedule. Remember a face-to-face appointment must happen before you can receive your spring registration pin! Please contact Alicia if you have any questions: amohundr@purdue.edu

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**THANKSGIVING BREAK**

For students who are planning to stay at Purdue over the Thanksgiving break, you have the opportunity to have Thanksgiving dinner with a local family who is either a faculty member or a fellow Purdue student. These families have signed up to ‘host-a-Boiler’ in their home and really want you to come celebrate with them and eat delicious food! Students that have done this in the past have loved it! If you are on campus for Thanksgiving, please think about doing this – go to this call out and sign up for this cool opportunity by following the link below!

http://www.ippu.purdue.edu/HostABoiler/

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**WINTER BREAK**

For students who are planning to stay at Purdue over winter break, please use the following link to get more information about available housing: https://www.housing.purdue.edu/Housing/WinterBreak.html

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**ASSISTANT PROFESSOR OF EARTH SURFACE PROCESSES**

The Department of Geography at the University of Wisconsin-Madison is recruiting a tenure-track Assistant Professor (tenure-track) with research interests in earth surface processes, including geomorphology, fluvial processes, hydrology, eco-hydrology, and watershed modeling.

The position will begin **August 2018**. A Ph.D. in Geography, Geosciences, Earth Science, Environmental Science, Ecology or an allied science is required by the time of appointment. The successful applicant will be expected to develop and maintain a vibrant research program in earth system geography, advise students in the department’s graduate programs, and contribute to the undergraduate and graduate curricula. The faculty member will be expected to develop a high-enrollment undergraduate course and contribute to our graduate and professional programs through teaching of an upper-level quantitative skills course in spatial analysis, remote sensing, or process-based modeling. We welcome candidates who can contribute to an inclusive environment, bring new perspectives on mentoring and educating students from diverse backgrounds, implement novel approaches to research, and who value collegiality and collaboration.

The Department of Geography is an interdisciplinary and collaborative community of scholars engaged with the humanities, social sciences, data sciences, natural, and physical sciences and is housed within the College of Liberal Arts and Sciences. For more information on Geography at UW-Madison, see http://www.geography.wisc.edu. For additional information, please contact Jacqueline Wild, Department Administrator at wild2@wisc.edu or 608-262-2139.

http://www.eaps.purdue.edu/
To apply, visit jobs.wisc.edu. Search for position 92504 and apply online or go to: http://jobs.hr.wisc.edu/cw/en-us/job/496553/assistant-professor-of-geography

Review of applications will begin January 9, 2018, and continue until the position is filled. Applications must be submitted electronically at LINK and include: 1) a letter of interest, 2) a curriculum vitae, 3) a statement of research interests, 4) a teaching statement, 5) no more than three examples of publications, 6) and the names and contact information of three references. Please submit all material in PDF format.

TUTORS NEEDED FOR EAPS COURSES!

The Purdue University Athletic Department is seeking students to tutor EAPS courses. Tutors are needed for EAPS 104, EAPS 116, and EAPS 120. Tutors must have no lower than a B in the respective course(s). This position is paid! If you are interested, please contact Candace Britten: Tutor Mentor Coordinator @ cbritten@purdue.edu.

2018 COLLEGE OF SCIENCE GRADUATE STUDENT INTERNATIONAL TRAVEL AWARDS

Deadline: December 1, 2018
2 or 3 awards ranging up to $800 for international Travel will be awarded

Please see attached for more information.

WIESS POST-DOCTORAL RESEARCH FELLOWSHIP

The Department of Earth, Environmental and Planetary Sciences at Rice University is inviting applications for the Wiess Post-Doctoral Research Fellowship. They are seeking candidates with independent research interests that intersect with one or more faculty within our department. Applicants must have a Ph.D. awarded within three years of the time of appointment.

The research fellowship will be supported for two years, pending satisfactory progress during the first year. It covers an annual stipend of $60,000 with a benefits package and an additional annual discretionary research allowance of $3,500.

Applicants are requested to develop a proposal of research to be undertaken during the fellowship period. The principal selection criteria are scientific excellence, a clearly expressed research plan to address questions at the forefront of their field of study, and research synergies with at least one faculty. The proposed research should, however, encompass independent research ideas and explore new directions beyond the applicant’s Ph.D. Preference will be given to applicants whose proposals demonstrate independence and originality, and also the potential for collaboration with one or more faculty in the Department of Earth, Environmental and Planetary Sciences.

Applicants are required to submit:
• A cover letter
• A research proposal of no more than 3 pages (single-spaced), including figures
• A current CV, including a list of publications

All three documents should be submitted as a single PDF file to the chair of the fellowship search committee (esci-postdoc@rice.edu) by 10 November, 2017. In addition, letters of reference should be submitted by three referees to the same email address and by the same deadline.

The highest ranked applicants will be invited to visit Rice in early 2018. Following acceptance, the appointment may begin any time before 1 January, 2019.

Please click on the link for additional information: https://earthscience.rice.edu/open-positions/
Attached is the announcement for the last PLEPS (Purdue Lectures in Ethics, Policy and Science) for 2017.

When: **Thursday, November 9, 2017**/ 5:30 PM  
Where: MJ IS 1001  
FREE PIZZA

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**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). Candidates must meet the following requirements, to apply:

- Ph.D. awarded within the past three years at the time of application or completed Ph.D. requirements by commencement of appointment; with strong academic achievement and evidence of exceptional technical accomplishment, leadership, and ability to team effectively
- Candidates must be seeking their first national laboratory appointment (no previous postdoctoral appointments at a national laboratory)
- Ability to obtain a DOE “Q” clearance, which requires US citizenship

For more information, please see the attached flier and/or visit [http://sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html](http://sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html)

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**DISCOVERY PARK & THE COLLEGE OF SCIENCE**  
**SOCIAL HOUR AT NINE IRISH BROTHERS**

Dean Wolfe and Tomás Diaz de la Rubia would like to invite you to the next Discovery Park Social Hour on **Monday, November 13th from 4:30-6:30 PM**. This DP Social Hour will be hosted jointly by Discovery Park and the College of Science, with future events hosted with other colleges across campus. Free HORS D’OEUVRES!

Come network your ideas, connect with other faculty and researchers, or find your next collaborator. The event kicks off at 4:30 p.m. at Nine Irish Brothers, located at 119 Howard Street in West Lafayette.

Please see attached flyer for further details.

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**BIRTHDAYS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Logan Judy</td>
<td>Nov. 6</td>
</tr>
<tr>
<td>Tim Filley</td>
<td>Nov. 10</td>
</tr>
<tr>
<td>Ken Ridgway</td>
<td>Nov. 12</td>
</tr>
<tr>
<td>Gerald Krockover</td>
<td>Nov. 12</td>
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</tbody>
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[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 Fallon McQuem (fmcquem@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/
<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Institution</th>
<th>Host</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Aug. 22</td>
<td>Ki-Hong Min</td>
<td>Kyungpook National University</td>
<td>Sun</td>
<td>Tuesday, 4:00PM</td>
<td>Room 2201/HAMP</td>
</tr>
<tr>
<td>Aug. 24</td>
<td>Roland Stull</td>
<td>University of British Columbia</td>
<td>Tanamachi</td>
<td></td>
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<tr>
<td>Aug. 31</td>
<td>Tim Cronin</td>
<td>MIT</td>
<td>Chavas</td>
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<tr>
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<td>Vince Agard</td>
<td>MIT</td>
<td>Chavas</td>
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<td>Sept. 14</td>
<td>Amir Allan</td>
<td>University of Utah</td>
<td>Ridgway</td>
<td></td>
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<tr>
<td>Sept. 21</td>
<td>Ed Harvey</td>
<td>U.S. National Park Service, Water Resources Division</td>
<td>Frisbee</td>
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<tr>
<td>Sept. 28</td>
<td>David Minton</td>
<td>Purdue University</td>
<td></td>
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<tr>
<td>Oct. 5</td>
<td>Devon Orme</td>
<td>Montana State University</td>
<td>Ridgway</td>
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<tr>
<td>Oct. 12</td>
<td>Cliff Johnston</td>
<td>Purdue University</td>
<td>Chavas</td>
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<tr>
<td>Oct. 19</td>
<td>Chanh Kieu</td>
<td>Indiana University</td>
<td>Chavas</td>
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<tr>
<td>Oct. 24</td>
<td>Zhou Lyu</td>
<td>PhD candidate</td>
<td>Zhuang</td>
<td>Tuesday, 4:00PM</td>
<td>Room 2201/HAMP</td>
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<td>Oct. 26</td>
<td>Julie Castillo-Rogez</td>
<td>Jet Propulsion Laboratory, NASA</td>
<td>Minton</td>
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<tr>
<td>Oct. 31</td>
<td>Tong Yu</td>
<td>PhD candidate</td>
<td>Zhuang</td>
<td>Tuesday, 4:00PM</td>
<td>Room 2201/HAMP</td>
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<tr>
<td>Nov. 2</td>
<td>Scott Collis</td>
<td>Argonne National Laboratory</td>
<td>Tanamachi</td>
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<tr>
<td>Nov. 9</td>
<td>Jack Kaye</td>
<td>Earth Science Division, NASA</td>
<td>Zhuang</td>
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<tr>
<td>Nov. 16</td>
<td>Xiangdong Zhang</td>
<td>University of Alaska, Fairbanks</td>
<td>Zhuang</td>
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<tr>
<td>Nov. 30</td>
<td>Rossella Guerrieri</td>
<td>CREAF, Univ. Autònoma de Barcelona</td>
<td>Michalski</td>
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</tr>
<tr>
<td>Dec. 7</td>
<td>Sarah Feakins</td>
<td>University of Southern California</td>
<td>Welp/Huber</td>
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</tr>
</tbody>
</table>
Viewing the Earth’s Global Environment from Space: From Scientific Knowledge to Societal Benefits

Jack A. Kaye
Associate Director for Research, Earth Science Division
NASA—Science Mission Directorate

The vantage point of space provides a unique opportunity to see all the elements of the global Earth system – atmosphere, ocean, land surface, ice, biosphere – and how they interact with each other. The ability to characterize both natural processes and those caused by humans, as well as the ability to study processes on a range of time scales from days to decades, helps scientists characterize and understand earth system variability and its causes and effects, as well as allowing for improvements in predictive capability. With this information, Earth system scientists can work with partners in other federal and international agencies, academia, industry, and the non-profit sector to help anticipate and respond to both naturally-occurring and human-induced changes in the Earth system. In this talk, a review of how satellite-derived information, together with complementary data from aircraft and surface based measurements, used in the context of Earth system models, are advancing our knowledge of the Earth and how the resulting information is being used will be presented.
Upcoming CE Projects

2131/2135 Lab Remodel:
- Tentative Start Date = 12/18/17
- Tentative End Date = 6/15/18

Basement/Ground Floor Renovation:
Areas affected by Phase (1): B146 / B150 / B157 / B289
- Movers for Phase (1) = 10/24/017
- Tentative Construction Start Date Phase (1) = 11/6/17
- Tentative Construction End Date Phase (1) = 2/16/18

Areas affected by Phase (2): G146 / G157 / G159 / G277 / Courtyard
- Tentative Date - Movers for Phase (2) = 2/19/18
- Tentative Construction Start Date Phase (2) = 2/26/18
- Tentative Construction End Date Phase (2) = 6/22/18
2018 College of Science Graduate Student International Travel Awards

Deadline: December 1, 2018
For travel between January 1, 2018 and June 30, 2018
~ 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
University of Oklahoma Post-Doctoral Research Associate

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Post-Doctoral Research Associate position for its collaborative research as a Cooperative Institute with the National Oceanic and Atmospheric Administration (NOAA) Office of Oceanic and Atmospheric Research (OAR) National Severe Storms Laboratory (NSSL) in Norman, Oklahoma. The Post-Doc will contribute to NSSL’s Warn-on-Forecast (WoF) and Verification of the Origins of Rotation in Tornadoes Experiment – Southeast (V-SE) programs.

Background:
The vision of the WoF program is to develop a probabilistic storm-scale, ensemble-based forecast system with the goal of increase warning lead times for threats related to severe and hazardous convective weather, e.g., tornadoes, large hail, damaging winds, and flash floods. Prediction of severe storms can be particularly challenging in the SE U.S.; this is one motivation for the V-SE program. The low-CAPE, high-shear regime common in the SE promotes smaller storm updrafts that are poorly resolved in current models. Coarse model resolution also limits forecasts of fine-scale planetary boundary layer (PBL) processes important to storm initiation and evolution. This motivates exploration of the impact of finer model resolution on storm prediction in the SE U.S. Toward that end, scientists at the Earth System Research Laboratory Global Systems Division (GSD) are developing a scale-aware PBL scheme to better leverage finer model grids.

Responsibilities:
The incumbent will use EnKF data assimilation to generate analyses and probabilistic short-range forecasts of convective events; collaborate with NOAA Storm Prediction Center forecasters to evaluate the impact of reducing model grid spacing from 3 km to 1 km; collaborate with GSD scientists to evaluate the impact of scale-aware PBL physics; publish the results in peer-reviewed literature; and present at conferences.

Required Qualifications:
1. A Ph.D. (or be in the final stages of dissertation completion before applying) in meteorology, atmospheric science or related area.
2. Research experience with storm-scale numerical weather prediction and ensemble data assimilation.
3. Experience with Linux/Unix, programming (e.g., Fortran, C, C++), and scripting (e.g. Python, NCL).
4. Excellent oral and written communication skills (including papers published in or submitted to refereed journals) and the ability to work both independently and cooperatively with others.

The beginning salary range will be $54,000-$57,000 per year (depending on qualifications) with University of Oklahoma benefits. Information on benefits may be found at http://hr.ou.edu/Employees/New-Employees-at-OU/OU-Benefits-Overview. Start date for the position will be as soon as the candidate can begin work. The position will remain open until filled.

This position is a full-time, one-year appointment and is funded by a partnership between NOAA and the University of Oklahoma through CIMMS. The appointment may be extended for one additional year subject to satisfactory performance and funding availability.

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: WoF V-SE 07-17
Assistant Professor of Earth Surface Processes

The Department of Geography at the University of Wisconsin-Madison is recruiting a tenure-track Assistant Professor (tenure-track) with research interests in earth surface processes, including geomorphology, fluvial processes, hydrology, eco-hydrology, and watershed modeling.

The position will begin August 2018. A Ph.D. in Geography, Geosciences, Earth Science, Environmental Science, Ecology or an allied science is required by the time of appointment. The successful applicant will be expected to develop and maintain a vibrant research program in earth system geography, advise students in the department’s graduate programs, and contribute to the undergraduate and graduate curricula. The faculty member will be expected to develop a high-enrollment undergraduate course and contribute to our graduate and professional programs through teaching of an upper-level quantitative skills course in spatial analysis, remote sensing, or process-based modeling. We welcome candidates who can contribute to an inclusive environment, bring new perspectives on mentoring and educating students from diverse backgrounds, implement novel approaches to research, and who value collegiality and collaboration.

The Department of Geography is an interdisciplinary and collaborative community of scholars engaged with the humanities, social sciences, data sciences, natural, and physical sciences and is housed within the College of Liberal Arts and Sciences. For more information on Geography at UW-Madison, see http://www.geography.wisc.edu For additional information, please contact Jacqueline Wild, Department Administrator at wild2@wisc.edu or 608-262-2139.

To apply, visit jobs.wisc.edu. Search for position 92504 and apply on line or go to: http://jobs.hr.wisc.edu/cw/en-us/job/496553/assistant-professor-of-geography

Review of applications will begin January 9, 2018, and continue until the position is filled. Applications must be submitted electronically at LINK and include: 1) a letter of interest, 2) a curriculum vitae, 3) a statement of research interests, 4) a teaching statement, 5) no more than three examples of publications, 6) and the names and contact information of three references. Please submit all material in PDF format. UW-Madison is an equal opportunity/affirmative action employer.

We promote excellence through diversity and encourage all qualified individuals to apply.

A criminal background check will be conducted prior to hiring.

NOTE: Please indicate in writing if you request that your identity be kept confidential. If you do not indicate your preference to remain confidential, the University may be required to disclose your identity and/or application materials. The identity of finalists and successful candidates will be revealed upon request. See Wis. Stat. sec. 19.36(7).
CIMMS Research Scientist

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Research Scientist position for projects funded by the National Oceanic and Atmospheric Administration (NOAA) Office of Oceanic and Atmospheric Research (OAR) National Severe Storms Laboratory (NSSL). The Research Scientist will participate in NSSL’s Multifunction Phased Array Radar (MPAR) program and related Spectrum Efficient National Surveillance Radar (SENSR) research.

Background:

NOAA and other agencies are developing concepts and performing risk reduction for a next-generation Multifunction Phased Array Radar. MPAR could subsume current national operational radar functions including surveillance for civil aviation, airport wind shear detection, severe weather observation and warning, quantitative precipitation monitoring and air-domain security. MPAR will exploit highly digital, active electronically scanned array technology to perform these missions. Critical challenges include maintaining the high data quality provided by the current operational weather radars (WSR-88D), developing efficient scanning strategies and achieving accurate dual-polarization observations in spite of inherent biases associated with array radars. The incumbent in this position will focus on developing and validating technical approaches in these areas through a combination of analysis, simulation and field measurement.

Responsibilities:

The incumbent will develop and assess techniques that exploit MPAR’s digital array architecture for calibration, data quality compensation and effective, multi-mission scanning. As appropriate, he/she will exploit test assets at NSSL, OU or industry facilities to perform measurements and quantitative analysis of these techniques. Assets available for this research include scaled (~1000 element) active arrays with both planar and cylindrical geometries, a future “Advanced Technology Demonstrator” – a large-scale polarimetric planar array radar, fixed and mobile conventional polarimetric weather radars, and a growing corpus of analysis, simulation and modeling software. It is expected that the incumbent will contribute to the development and effective utilization of these assets in addressing key meteorological phased array radar research challenges. He/she will publish results of their research in peer-reviewed literatures and present at conferences.

Required Qualifications:

1. A Ph.D. degree (or be in the final stages of dissertation completion before applying) in electrical and computer engineering, observational atmospheric science or related area.
2. Research experience with weather radar system development, signal and data processing techniques and observational studies.
3. Experience with Linux/Unix operating systems. Strong software design and programming (Matlab, C, C++, Java) skills and scripting (Python) familiarity.
4. Excellent oral and written communication skills (including papers published in, or submitted to refereed journals).
5. An ability to work both independently and cooperatively with others.
The beginning salary will be based on qualifications and experience, with benefits provided through the University of Oklahoma (https://hr.ou.edu/ Employees/New-Employees-at-OU/OU-Benefits-Overview). The start date for the position is negotiable.

This position is a full-time appointment funded by grants from NOAA. The appointment is contingent on passing a Department of Commerce/NOAA background check. The appointee will serve a customary probationary period during the first year.

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

    Tracy Reinke, Executive Director, Finance and Operations
    University of Oklahoma CIMMS
    120 David L. Boren Blvd., Suite 2100
    Norman, OK 73072-7304
    treinke@ou.edu
    ATTN: SENSR Research Scientist October 2017
JOIN US FOR A SOCIAL HOUR

co-hosted by

DISCOVERY PARK & THE COLLEGE OF SCIENCE

NINE IRISH BROTHERS
119 Howard Avenue, West Lafayette

♦ FREE HORS D’OEUVRES ♦

November 13, 2017
4:30-6:30 p.m.

Network your idea.
Find areas to collaborate.
Human Tissue Research, Consent and Justice: What the case of Henrietta Lacks can still teach us today

Dr. Sandra Shapshay
Assoc. Prof. of Philosophy, Indiana University-Bloomington
Director of the Political and Civic Engagement Program,
Affiliate Faculty, IU Center for Bioethics

The Immortal Life of Henrietta Lacks sparked broad policy change in the U.S. regarding consent procedures for human tissue research. In 2015, the Department of Health and Human Services proposed a rule change to give patients much greater control over the use of their biospecimens in research. Yet this effort failed due to backlash from the scientific community. In this talk, Dr. Shapshay addresses some of the major arguments against such regulatory changes. For instance, Chadwick & Berg stress a duty to participate in research for the benefit of others; Knoppers & Chadwick further criticize the emphasis on individualism and autonomy over the value of solidarity in contemporary research ethics and policy. Her aim is to counter these arguments, to support the proposed regulatory changes in the U.S. regarding tissue research, and to highlight important lessons we have yet to fully appreciate from the case of Henrietta Lacks.
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 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:

• Ph.D. awarded within the past three years at the time of application or completed Ph.D. requirements by commencement of appointment; with strong academic achievement and evidence of exceptional technical accomplishment, leadership, and ability to team effectively

• Candidates must be seeking their first national laboratory appointment (no previous postdoctoral appointments at a national laboratory)

• 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

VISION

On behalf of our nation, we anticipate and solve the most challenging problems that threaten security in the 21st century.

MISSION

The synergy and interdependence between our nuclear deterrence mission and broader national security missions forge a robust capability base and empower us to solve complex national security problems.

VALUES

Sandia’s five core values inform our daily decisions, shape our performance, and enable us to achieve success as one lab.

• We serve the nation
• We team to deliver with excellence
• We respect each other
• We act with integrity
• We live safe and healthy lives

Apply online:
sandia.gov/careers

Click on “View all Jobs”
Search “Truman Fellowship”
or Job ID: 657429
Seeking Applicants!

We are now accepting applications for the 2018 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 Fall 2018
- Evidence of strong academic achievement, exceptional 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 relevant 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 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 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