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

Devon Orme
University of Nevada, Las Vegas

Thursday, October 5, 2017
3:30 PM
HAMP 1252
SPECIAL TALK
Outstanding Alumni Awardee—David Leary
“Frontier Oil and Gas Exploration: Dogma and Discovery”

Friday, October 6, 2017
11:00 AM
HAMP 2201

PROFESSOR HARSHVARDHAN ATTENDS LUNCH WITH PURDUE ALUMNI AT NASA GODDARD SPACE FLIGHT CENTER

Left to Right: Mike Bosilovich, Jiun-Dar Chem, Harshvardhan, Ricardo Cullather, Kevin Vermeesch

Professor Harshvardhan gave lectures at the NASA Langley Research Center on September 7th, at Hampton University (a premier HBCU) on September 13th, and NASA Goddard Space Flight on September 19th.

STUDENT NEWS

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. awareded 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

PAID POSITION—EXCITING OPPORTUNITY FOR AN EAPS UNDERGRAD STUDENT

MAGIC-DML is an international collaboration aiming to reconstruct the glacial history of the Dronning Maud Land sector of the East Antarctic Ice Sheet. You can find out more about the project at http://www.magicdml.com/about

Social Media outreach is an important component of their project – they are active on facebook, twitter, Instagram, and through our web page. This social media presence has been built by a team including one science student and one communications student working together. Their current students have completed their work, and so they are looking to recruit new members to this team. They are hoping that the

http://www.eaps.purdue.edu/
science student will be an EAPS major who is interested in learning more about the research and helping to communicate this.

This is a paid position (at $10/hour) with around 5hrs work per week. The hours are very flexible. In the role you will work together with a communication intern - likely a Communications major. Tasks include (but are not limited to) gathering material for blogs and social media updates, writing and editing blog entries and social media content, developing the website material and maintaining a strong presence of MAGIC-DML on social media. The ideal candidate will also bring ideas for new ways in which we can engage with the public about our research.

If you would like to apply for the position please email Jon Harbor (jharbor@purdue.edu) with a resume (including the courses you have taken here at Purdue), an example blog post, and a short account of why you think outreach is important. You can see some of our published blogs at http://www.magicdml.com/ for ideas.

Applications will be accepted starting now, and until the position is filled. So, if you are interested, apply ASAP!

17TH ANNUAL AMS STUDENT CONFERENCE
JANUARY 6-7, 2018 IN AUSTIN, TEXAS

The 2018 AMS Student Conference: Reframing the Conversation: How Communication Fuels our Profession, to be held 6-7 January 2018 in Austin, Texas in association with the 98th AMS Annual Meeting.

Important eligibility requirement: You must be an active 2018 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, (3) a writing workshop, and (4) 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 2017 at a rate of $50. Starting on 16 December, late registration will be available for $75. To register online, please go to https://www.ametsoc.org/meet/atreg/ and select the option corresponding to the 17th Annual AMS Student Conference. On-site registration ($75) may be available if space permits. Attendees must register separately for the 98th AMS Annual Meeting.

Submit an Abstract:

Due by: 2 October 2017

They encourage active AMS student members to submit abstracts about a wide range of topics. All accepted abstracts will be scheduled as poster presentations for the Student Conference Poster Session during the evening of Sunday, 7 January 2018. 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 2018 Student Conference Poster Competition.

They 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. Guidelines for the AMS Student Conference Poster Session and Poster Competition are available here: https://goo.gl/dFXr7C. Please submit your abstract online by 2 October 2017 (refer to the 17th Annual AMS Student Conference web page) and ensure you have applied for or renewed your AMS student membership prior to submitting your abstract.
Authors of accepted presentations will be notified via e-mail by mid-November 2017.

To submit an abstract free of charge, visit [https://ams.confex.com/ams/98Annual/oasys.epl](https://ams.confex.com/ams/98Annual/oasys.epl) and click on “17th Annual Student Conference” by [2 October 2017](https://ams.confex.com/ams/98Annual/oasys.epl).

**Sponsors and Organizers**

The 17th 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:

- Aryeh Drager, Colorado State University (e-mail: aryeh.drager@colostate.edu)
- Stacey Hitchcock, Colorado State University (e-mail: stacey.hitchcock@colostate.edu)
- Erik Nielsen, Colorado State University (e-mail: erik.nielsen@colostate.edu)

**OIL COMPANY INTERVIEW DATES:**

**Chevron – OCTOBER 19**

Chevron will be on campus to interview MS and PhD students for internships and full time positions on October 19th. Application deadline is Sunday, October 8. No late applications will be accepted. See attached flyer for additional details on how to apply.

On the night of **Wednesday, October 18th**, Chevron will host an info session beginning at 5:50pm in Room 2201/HAMP. Food/Refreshments will be provided. All students are welcome to attend.

More information about the EDC Student of the Year Award Contest will be forthcoming. For more information, contact Kong at 765-496-9474 or at kongn@purdue.edu.

**DISCOVERY PARK CONFERENCE ON CONVERGENCE AND THE FUTURE OF RESEARCH**

October 6, 2017
1:00-6:00 PM

Please visit: [https://goo.gl/JGf7BA](https://goo.gl/JGf7BA)

See attached flyer for more details.
REMINDER: REPORTABLE OUTSIDE ACTIVITIES AND CONFLICT OF INTEREST REPORT

Faculty and staff are reminded that they are required to report outside activities and financial conflicts of interest in accordance with University policy. The policies on Conflicts of Commitment and Reportable Outside Activities (III.B.1) and Individual Financial Conflicts of Interest (III.B.2) are available on the University Policies website. All exempt faculty and staff, whether part-time or full-time, are required to report and obtain approval before they engage in any Reportable Outside Activities. In some situations, members of the clerical and service staff must also report outside activities. At the beginning of each fiscal year, employees also must report all activities in which they continue to participate, even if previous approval was granted. If an individual completed a form for activities in the 2016-17 fiscal year, that information will prepopulate the 2017-18 disclosure form and may be revised as necessary. For more information, please visit: http://www.purdue.edu/newsroom/purdutoday/releases/2017/Q3/reminder-reportable-outside-activities-and-conflict-of-interest-report.html

HAPPY BIRTHDAY!

Lisa Welp Oct 1
Emie Agee Oct 2
Phil Smith Oct 2
Wen-Yih Sun Oct 4
Wen-Wen Tung Oct 8

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/
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<th>Institution</th>
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<td>Ki-Hong Min</td>
<td>Kyungpook National University</td>
<td>Room 2201/HAMP</td>
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<td><strong>Tuesday, 4:00PM</strong></td>
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<td>Aug. 24</td>
<td>Roland Stull</td>
<td>University of British Columbia</td>
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<td>Tim Cronin</td>
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<td>Amir Allan</td>
<td>University of Utah</td>
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<td>Sept. 21</td>
<td>Ed Harvey, U.S. National Park Service, Water Resources Division</td>
<td>Held in WALC, Room 2087</td>
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<td>Sept. 28</td>
<td>Shad O’Neel</td>
<td>USGS</td>
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<td>Oct. 5</td>
<td>Devon Orme</td>
<td>University of Nevada, Las Vegas</td>
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<td>Oct. 12</td>
<td>Cliff Johnston</td>
<td>Purdue University</td>
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<td>Oct. 19</td>
<td>Chanh Kieu</td>
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<td>Oct. 24</td>
<td>Zhou Lyu, PhD candidate</td>
<td>Advisor: Zhuang</td>
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<td>Oct. 26</td>
<td>Julie Castillo-Rogetz</td>
<td>Jet Propulsion Laboratory, NASA</td>
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<td>Oct. 31</td>
<td>Tong Yu, PhD candidate</td>
<td>Advisor: Zhuang</td>
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<td>Scott Collis</td>
<td>Argonne National Laboratory</td>
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<td>Jack Kaye</td>
<td>Earth Science Division, NASA</td>
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<td>Xiangdong Zhang</td>
<td>University of Alaska, Fairbanks</td>
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<td>Nov. 30</td>
<td>Rossella Guerrieri</td>
<td>CREAF, Univ. Autònoma de Barcelona</td>
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<td>Dec. 7</td>
<td>Sarah Feakins</td>
<td>University of Southern California</td>
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Forearc Basin Record of Continental Collision in Southern Tibet

Devon Orme
University of Nevada, Las Vegas

The Xigaze forearc basin in southern Tibet, one of the largest and best-preserved forearc basins on Earth, records upper-plate processes active prior to and following the inter-continental collision between India and Asia. This talk addresses the Late Cretaceous to Miocene history of the Xigaze forearc by reconstructing the sedimentary environments of the southern margin of Asia prior to collision and determining the subsequent thermal history of the basin following cessation of deposition. The timing of initial collision between Asia and India is no later than 58 Ma based on the similarity of the U-Pb detrital zircon age spectra and sandstone compositions between the Xigaze forearc and strata deposited atop the passive margin of India at that time. Thermochronologic results determine the maximum burial temperature of the basin following the onset of collision to ~140-200 °C, which corresponds to depths attainable by sedimentation in the forearc region by a Paleogene foreland basin succession. In addition, the thermochronologic dataset indicates rapid exhumation of the Xigaze forearc from ~ 21 Ma to 15 Ma. The timing of exhumation appears to be regionally extensive, affecting all the lithotectonic units of the India-Asia collision zone, and coincides with movement along a north-vergent thrust system. Thrusting, coupled with enhanced erosion possibly related to the paleo-Yarlung River, likely drove Early Miocene cooling of the India-Asia collision zone.
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

Apply online: sandia.gov/careers
Click on “View all Jobs”
Search “Truman Fellowship” or Job ID: 657429

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

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

Equal opportunity employer/Disability/Vet/GLBT  07/2017
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