

January 17, 2012

EAS FACULTY MEMBER RECEIVES 2012 DREAM AWARD

Please join us in congratulating **Ken Ridgway** for being selected for the **2012 Dream Award**. Established in 2004, this award is given annually to an individual or organization within the Purdue community to honor contributions that embody Martin Luther King Jr.'s vision of service to others and that further the university's commitment to diversity. Ken will be the first Native American recipient of this award and will be recognized for his contributions in EAS and campus-wide programs including the Tecumseh Project, Sloan Indigenous Graduate Program, the Native American Educational & Cultural Center, and the American Indian Science and Engineering Society.

The award is part of the Martin Luther King, Jr.'s campus-wide celebration. The award presentation is Wednesday, January 18th at 7 pm in Loeb Playhouse, Stewart Center. The award presentation will coincide with the Dr. Martin Luther King Jr. Commemorative Address featuring Bernice Johnson Reagon, noted Civil Rights movement participants and member of The Freedom Singers.

Upcoming MEETINGS

Every Tuesday

- EAS Gold Mine Committee, CIVL 2173 (Noon)

Wednesday, January 18

- Undergraduate Committee, CIVL 2201 (9:00 am)

Thursday, January 19

- EAS Graduate Student Association, CIVL 2201 (Noon)

Tuesday, January 24

- EAS Rock Display Comm., CIVL 2201 (3:30pm)

Friday, January 27

- EAS Executive Committee, CIVL 2173 (8:30am)

Monday, January 30

- EAS Faculty Meeting, CIVL 3201 (11:30 am)
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Upcoming EAS SEMINAR

Thursday, January 19, 2012, 3:30 pm, CIVL 1252
"Using Earthquakes as Large Rock Squeezing Experiments." Andy Freed, EAS, Purdue University

Refreshments at 3:00 p.m. in CIVL 2201

Upcoming EAS EVENTS

EAS Alumni and Friends Reception will be held on Tuesday, January 24, 2012 in association with the annual AMS meeting. The event is 6:30 – 8:30pm at the Hilton New Orleans Riverside in the Chequers room. If you are in the area, please join us!

EAS GRAD EXPO will be held on February 3 – 4, 2012. For more information or to volunteers, please contact Mallie Toth (toth2@purdue.edu).

RECENT EAS PRESENTATIONS

Angel Torres Valcarcel, EAS PhD Candidate, gave a talk entitled *Environmental Sustainability, Ecological Footprint and the Sustainable Schools Program* to Elementary School teachers from Aguada Puerto Rico on January 10, 2012

Jay Melosh, EAS Distinguished Professor, presented *The cometary revolution: How recent spacecraft missions are revising our vision of the solar system* on Tuesday, January 12, 2012, Department of Physics, Purdue University

ALUMNI NOTES

If you missed the 2011 AGU Fall Meeting public speaker astronaut **Dr. Andrew Feustel** in San Francisco, you can watch his presentation at: <http://www.youtube.com/watch?v=6UwsVWUfQYo>

AEG MEETING

Terry West and five EAS graduate and undergraduate students attended the North Central Section of the Association of Environmental and Engineering Geologists (AEG) meeting in Chicago on January 11, 2012. The meeting was attended by professional geologists and civil engineers. Dr.

Charles Dowding, Civil Engineering professor at Northwestern University was the banquet speaker and presented on the rock carving of the Chief Crazy Horse statue in the Black Hills of South Dakota. The finished product will be nearly 700 feet tall, greater than the Washington Monument and many times larger than Mount Rushmore. The students attended the meeting at a well-subsidized price as guests of AEG.

SCIENCE DIVERSITY OFFICE CLOTHING DRIVE

The Science Diversity Office is holding a Clothing Drive as part of the Martin Luther King Celebration. A collection box will be available in the EAS Main Office (CIVL 2169) from January 17th - 31st.

The clothing will be donated to *It's My Closet* at Jefferson High School in Lafayette. All clothing in any size will be accepted but clothing that can be worn to proms is especially appreciated. Students from the Women in Science Programs will deliver the clothes and volunteer at *It's My Closet* as a service learning project. You can find out more about *It's My Closet* at: www.lsc.k12.in.us/page361.aspx. If you would like a receipt for your donation, please contact Terri Donald at tdonald@purdue.edu.

FACULTY TEACHING WORKSHOPS

On the Cutting Edge will offer a workshop from July 15-19, 2012 at the University of Tennessee, Knoxville on **Teaching Structural Geology, Geophysics, and Tectonics in the 21st Century**. As with all *Cutting Edge* workshops, this workshop will bring together faculty who teach undergraduate courses in structural geology, geophysics, and/or tectonics in a collaborative effort to showcase and share effective strategies and to consider how to teach these disciplines more effectively. The focus of the workshop will be on teaching the grand challenges/leading edge ideas/frontiers in these three disciplines and on integration across these disciplines in undergraduate courses for majors. You can find the full workshop description and online application at <http://serc.carleton.edu/NAGTWorkshops/structure/SGT2012/index.html>. Application deadline is 02/15/12. For more *On the Cutting Edge* workshops and events see <http://serc.carleton.edu/NAGTWorkshops/workshops.html>

CENTRAL INDIANA SEVERE WX SYMPOSIUM

The 2012 Central Indiana Severe Weather Symposium is a biennial weather information session for spotters and weather enthusiasts, providing interesting and informative speakers on severe weather related topics. Confirmed speakers include The Weather Channel's Mike Bettes, nationally-known tornado damage expert Tim Marshall, Fox 59's Brian Wilkes, and meteorologists from NWS Indianapolis and Northern Indiana. CISWS will be held on Saturday, March 10th, 8:30am - 4:00pm, with registration and breakfast beginning at 7:15am. Discounted student registration is available. For complete information, including pre-registration:

http://www.crh.noaa.gov/news/display_cmsstory.php?wfo=ind&storyid=40755&source=0

PURDUE UNDERGRAD RESEARCH SYMPOSIUM

The 10th annual Undergraduate Research Poster Symposium will take place on Tuesday, April 10th in the PMU Ballrooms. This event showcases Purdue undergraduate research. Students are asked to write an abstract and create a poster presentation to illustrate their research. Last year there were over 140 posters representing 6 colleges across campus.

Students – registration deadline is March 20, 2012.
Faculty and Staff – Judges are needed.

Complete information at:

http://www.science.purdue.edu/index.php?option=com_content&view=article&id=415&Itemid=113

JOB/INTERNSHIP ANNOUNCEMENTS

Job Opening: Physical Scientist (Atmospheric Modeling) - U.S. Environmental Protection Agency, Office of Research and Development, Atmospheric Modeling and Analysis Division (AMAD). The U.S. Environmental Protection Agency invites applications for a GS-12/13 position of Physical Scientist (Atmospheric Modeling) located in Research Triangle Park, NC. For more information go to <http://www.usajobs.gov/> Refer to vacancy announcement RTP-ORD-DE-2012-0005.

The University Corporation for Atmospheric Research (UCAR) is currently seeking Mapping Interns to participate in the Okeanos Explorer Program for the 2012 field season. This internship is open to undergraduate and graduate students as well as those who have recently graduated. For more information and to apply go to:

<http://www.joss.ucar.edu/forms/okeanos-2012-intern>

FELLOWSHIPS and SCHOLARSHIPS

The **Evolving Earth Foundation** has launched its 2012 student research grant program in the earth sciences. A total of ten grants are available annually, up to \$3000 per grant. Undergraduate students, graduate students, and post-doctoral researchers at accredited U.S. colleges and universities or research institutions are eligible and encouraged to apply. The deadline for application is March 1st, 2012. Please visit the Evolving Earth Foundation web site at <http://www.evolveearth.org> for full grant program details.

AGU Congressional Science Fellowship program places highly qualified, accomplished scientists, engineers, and other professionals in the offices of either an individual Member of Congress or on a committee for a one-year assignment. The AGU Fellow will have the opportunity to make significant contributions to public policy during their time working with Congress. Past Fellows have been directly involved in water policy, climate research, energy conservation, and a range of other issues that are of high priority to society. For more information go to: http://www.agu.org/sci_pol/cong_fellowship

THE WRITING LAB AT PURDUE

The Writing Lab at Purdue services are free to Purdue University students. The focus of their work is on one-to-one tutorials with students on any assigned writing project. They also offer conversation groups for English as a Second Language students and work-shops on a variety of topics. They have plenty of study space and computers for student use, along with an in-lab library with hundreds of books on writing skills and grammar. Hours of Operations: Monday – Thursday from 9am – 6pm and Fridays from 9am – 1pm in 266 Heavilon Hall. Drop-in Locations: Hicks on Monday from 7 - 10pm, Latino Cultural Center on Tuesdays from 6 – 9pm, and Meredith on Wednesday from 7-10pm. See <http://owl.english.purdue.edu> for complete information.

A NOTE FROM OUR ACADEMIC COUNSELOR

Money for Service Learning Projects

Funds are available to provide grants to students or student organizations for work on community service learning projects. The program, sponsored by the Office of Engagement, has the goal to expand the community involvement of Purdue students in partnership with communities, nonprofit agencies,

schools, and governmental bodies. Information can be found online at www.purdue.edu/engagement/service/sgpcs.shtml. Applications are due for the fall semester projects on or before **Feb. 9**. Inquiries can be directed to Denise Hilton in the Purdue Office of Engagement at 49-40899 or d3@purdue.edu.

Moving Ahead with Your Career

Students wanting to learn more about internships and job searching can attend **Internships in Your Backyard** on **January 18**, 4:30-5:30 PM in University 103. Guest speaker Courtney Sampson-Arango, program coordinator for Indiana INTERNnet, will be answering questions and sharing tips on how to find and secure internships. This event is sponsored by the CCO and Indiana INTERNnet .

Looking to learn how to write a winning résumé? Attend a Resume Workshop on **January 19** from 4:30-5:30 PM in University 103.

You can prepare for upcoming job fairs by attending the Job Fair Workshop on Monday, **January 23** from 4:30-5:30 PM in University 103.

Keck Geology Consortium Student Research Opportunities:

Each year the Keck Geology Consortium has undergraduate research opportunities for approximately 51 undergraduate students in a wide variety of geological / environmental science sub-disciplines and locations. The program includes 4 weeks of summer research, continuing research during the academic year, attendance at the annual Keck Geology Consortium Symposium, and a publication in the annual Keck Geology Consortium proceedings volume. Students receive a \$1,500 stipend and typically all travel and living expenses are provided for. Opportunities and details can be found here: <http://keckgeology.org/students>. Deadline for summer programs is February 3, 2012.

Summer Opportunity for Undergraduates:

Stanford University Summer Undergraduate Research in Geoscience and Engineering program (SURGE) provides scholars with a research experience in a School of Earth Sciences laboratory or research group. SURGE also prepares scholars for the process of applying to graduate school, and introduces scholars to career opportunities in the geosciences. SURGE will provide a rich experience of cultural, racial/ethnic, and socioeconomic diversity for a select group of students from Stanford and

other U.S. Institutions. Program dates are from June 24 through August 18, 2012.

<http://oma.stanford.edu/surge.html> Applications are due February 5, 2012.

2012 Lunar & Planetary Science Academy

Summer Internship: The 2012 Lunar and Planetary Science Academy (LPSA) Summer Internship at Goddard Space Flight Center is now accepting student applications at <https://academyapp.com/>. New and exciting research tasks are offered for next summer. Please note that the deadline for completing the online application is January 23, 2012 at 5 pm EST. For general information about the LPSA internship, see <http://science.gsfc.nasa.gov/690/LPSA>

Undergraduate Planetary Science Research

Conference - As part of the NASA SMD Year of the Solar System (YSS), an Undergraduate Planetary Science Research Conference is being hosted in conjunction with the Lunar and Planetary Science Conference (LPSC). Undergraduate students currently conducting research in planetary sciences, astrobiology, and lunar sciences are eligible. To apply, please go to https://www.lpi.usra.edu/meeting_portal/iofi/index.cfm?mtg=yssurc2012/. Applications are due by close of business February 10, 2012. Some travel support will be available to students who qualify. Priority will be given to students of diverse backgrounds. Students are encouraged to attend LPSC and the travel support includes registration for and participation in LPSC. For additional information, please contact Dr. Emily CoBabe-Ammann at ecobabe@spaceeducation.org.

Science Magazine is working to engage young scientists by asking them to submit responses to questions that affect their lives. The current question is: *What is your definition of a successful scientist? How has this definition changed between your mentor's generation and your own?* To submit your answer, please go to <http://www.surveymonkey.com/s/NextGen2ot>. Submission deadline is 17 February, and the best responses will be published in the 6 April issue of Science.

HAPPY BIRTHDAY!!!

Harshvardhan – January 1
Qianlai Zhuang – January 2
Matt Huber – January 10
John Cushman – January 19
Alex Kubacki – January 28
Tom Tharp – January 28



IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter will now be 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 EAS website at www.purdue.edu/eas/ and **Click on News** to access active links as needed. Material for inclusion in the newsletter should be submitted to Suzanne Zurn-Birkhimer (zurnbirk@purdue.edu) by **Friday noon** 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 EAS Technology Support staff, please visit http://www.purdue.edu/eas/info_tech/index.php.

Also, as an additional resource for information about departmental events, seminars, deadlines, etc., see our departmental calendar at <http://calendar.science.purdue.edu/eas/seminars>.

