NEW PEOPLE IN EAS

Nievita Bueno Watts
Postdoctoral Research Associate

After working with elementary and high school students who had learning challenges for many years, I earned a BS in Geology from the University of Arizona, and both an MS in Geoscience, and PhD in Science Education from Arizona State University. I seek to broaden educational pathways for students who are traditionally underrepresented in the Earth sciences. I am particularly concerned that indigenous people, who in many cases are already seeing the effects of global climate change, have traditionally had very little voice in discussions surrounding this topic. My dissertation focused on the barriers and supports affecting Native American and Alaska Native students as they obtained degrees in Earth science. I am also interested in increasing the visibility of Earth science in our national parks, and have assessed visitor cognition of deep time at the Trail of Time in Grand Canyon National Park, and visitor perceptions of landscape formation at Petrified Forest National Park.

Bianca Maibauer
Graduate Student

Bianca is a new graduate student at Purdue University in the Earth and Atmospheric Sciences Department, studying towards a M.S. degree with Dr. Gabe Bowen. She received a B.S. in Geological Sciences from the University of Florida, along with a minor in Geography and Climatology. While studying at Florida, she completed an undergraduate research project on seasonal and storm related sedimentology and coastal morphology at Cape Canaveral, Florida. She is currently working on paleoclimate reconstructions based on analysis of organic and carbonate sediments in the Bighorn Basin, Wyoming during the Paleocene-Eocene Thermal Maximum. She is especially interested in the use of stable isotopes as proxies in climate and ecological reconstructions.

UPCOMING MEETINGS

Friday, September 9
- Atmospheric Science Tea, CIVL 2201 (9:30 a.m.)

Monday, September 12
- Primary Committee, CIVL 3201 (11:30 a.m.)

TODAY!!! WELCOME BACK PICNIC TODAY!!!

Please join us today from 4:00 to 6:30 p.m. on the Civil Engineering Patio for a welcome back picnic. Dinner will be provided. Please bring a dessert to share.

EAS SEMINAR

Thursday, September 8, at 3:30 p.m. in CIVL 1252: "Arctic Climate Change Impacts, and Going to the Dump." Paul Shepson, Department of Chemistry, Purdue University

Refreshments at 3 p.m. in CIVL 2201

For more information, see the EAS online calendar.

THESIS DEFENSE

Friday, September 9, at 2 p.m. in CIVL 2201: "Land surface feedbacks on the post-landfall tropical cyclone characteristics using the Hurricane Weather Research and Forecasting (HWRF) Modeling System." MS final exam for Monica Laureano; Advisor: Dev Niyogi

RECENT PRESENTATIONS

Roughly 150 attended Jeff Trapp’s "Science on Tap" presentation, "Understanding, Predicting and Responding to Tornadoes," which was held at the Lafayette Brewing Company on August 25th.

"Science on Tap" is a program that seeks to facilitate discussion between scientists at Purdue and the general public in an effort to promote scientific literacy and raise awareness of the work being done at Purdue.

Jennifer Haase gave an invited seminar at Georgia Institute of Technology entitled, "The Pre-depression Investigation of Cloud Systems in the Topics (PREDICT)" on August 26, 2011.
Ki-Hong Min gave an invited talk on August 26th to Korea Meteorological Administration, and on August 30th at Kyungpook National University titled: "Sensitivity Study of Purdue Regional Model with the Land Information System."

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**CHANGES PLANNED FOR TRAVEL FORM 17 AND INTERNATIONAL EVACUATION AND MEDICAL INSURANCE PROGRAM**

It was announced that effective October 1, the cost of the International Evacuation and Medical Insurance Program ($38.60/month) will be centrally funded for faculty and staff and no longer directly charged to the account designated on the Form 17 (Request for Authority to Travel on University Business).

For travel occurring on or after October 1, the dollar amount listed for faculty and staff in the Form 17's Section 14, Box J is "$0."

Please note that the funding processes have not changed for undergraduate and graduate students, who are still required to list a cost of $32 for each month of travel.

Only the funding process for faculty and staff coverage is changing. The required completion of the Form 17 and its approval prior to travel are not affected. The mandatory registration for international coverage for all travel abroad remains the same. Completed and approved Travel Form 17s for international travel will still be faxed to Risk Management by the EAS business office.

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**NEW WEBSITE LETS FACULTY RESEARCHERS TRACK AND EXAMINE CLUSTER USE IN DETAIL**

A new website allows faculty researchers to track and examine their use of Purdue's community cluster supercomputers in detail. The resource should assist faculty in planning a lab's workflow and future computational needs and in generating data, charts and graphs for grant proposals and reports to funding agencies. The site is available at: [www.rcac.purdue.edu](http://www.rcac.purdue.edu). Click User Info and Usage Reporting.

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**AGU CHAPMAN CONFERENCE**

The deadline for the receipt of abstracts and applications for travel support for the AGU Chapman Conference on Remote Sensing of the Terrestrial Water Cycle (19 – 22 February 2012) is **27 October 2011**. [Read more...](#)

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**PURDUE FORECAST GAME: NEXT GENERATION**

The Purdue Forecast Game is being updated and returns this week! Forecasters will test their prognostication-ability at two locations (Indianapolis and Billings, MT), predicting maximum and minimum temperatures, wind speed and direction, and probability of precipitation over the next two days. The forecast entry page and scoring will be updated this year. Students in Synoptic Lab III (EAS 433) will participate as part of their course, but all other students, faculty, staff, and alumni are also invited to compete! The contest begins on Wednesday (September 7). Please contact Prof. Baldwin ([baldwin@purdue.edu](mailto:baldwin@purdue.edu)) if you are interested or have any questions.

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**PROPER CHEMICAL DISPOSAL**

Recently, Building Services personnel found a mercury hydrometer inside the CIVL dumpsters near the loading dock. Luckily the hydrometer did not break and has since been removed from the dumpster for proper disposal. This particular hydrometer had at least 0.5 lb of mercury in it and would have created a very serious situation if it had broken. At a minimum, the entire dumpster would have needed to be sorted and anything found to be contaminated would have either required decontamination or more likely, disposal as mercury contaminated debris (at a cost of approximately $6/pound).

This is a good reminder that **ALL** chemical waste should be submitted on a Hazardous Materials Pickup Request Form and submitted to REM for pickup (for more information see [http://www.purdue.edu/rem](http://www.purdue.edu/rem)). If you have questions, contact Adam Krajicek, Hazardous Materials Manager, Radiological & Environmental Management (REM) at 496-3072 or [arkrajicek@purdue.edu](mailto:arkrajicek@purdue.edu).

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**UPCOMING OUTREACH OPPORTUNITIES**

Why help out in outreach activities? You need a stress break, it looks great on a resume, it's your chance to give back, Steve! (come on… he is crazy but a ton of fun), it is your chance to represent your department, very important people appreciate your efforts, it's just plain fun! [Read more...](#)
**THE FULBRIGHT SCHOLAR AND HUMPHREY FELLOWSHIP PROGRAM DEADLINES**
The Fulbright Scholar Program and Humphrey Fellowship Program are administered by the Institute of International Education’s Department of Scholar and Professional Programs, which includes the Council for International Exchange of Scholars and Humphrey divisions. Deadlines approaching… Read more…

**FELLOWSHIPS**
The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at participating federal laboratories and affiliated institutions. Read more…

**NEW FORD FELLOWSHIP PROGRAMS FOR 2012**
Starting September 1, 2011, applications are being accepted for the 2012 Ford Diversity Fellowships Program for Achieving Excellence in College and University Teaching. Read more…

**SHELL ENERGY DAY ON CAMPUS FEATURING EAS FACULTY AND ALUMNI**
Includes career session and free lunch for students – EAS students encouraged to attend
On September 22, 2011 in the Dean’s Auditorium in Pfendler Hall, Purdue is hosting Shell Energy Day. This event brings to campus Shell Oil Company recruiters and scientists to engage our students and faculty about meaningful topics of interest to Shell and Purdue. This year three topics (7:30 am to noon) will be discussed including Offshore Oil Containment, Technical and Commercial Challenges of Ultra-deepwater Exploration, and Natural Gas and the Logistics of Changing Infrastructures. Additionally, students will have an opportunity to attend a career session (noon to 1 pm including lunch) and present a poster (1:00-3:30 pm) in the afternoon. Registration (free) is required for both faculty and students. Information about the meeting and registration is available at the following web site: http://www.purdue.edu/discoverypark/environment/events/view.php?id=629

**CHESAPEAKE ENERGY CORPORATION INTERVIEWS**
Mark Lester, Chesapeake Energy Corporation, will be conducting interviews of EAS geosciences students interested in a career in oil and gas … and specifically with Chesapeake Energy Corporation on Wednesday, September 21 (alternate times may be available). He would like to interview those students who are interested in full-time positions as well as summer internships.

Those interested in full-time positions must be in Graduate School with an anticipated completion of their MS or PhD between now and December 2012. Those interested in a summer 2012 internship must be in their senior year of a geosciences program or already in a graduate program with an anticipated completion date after December 2012. An exception would be someone not completing until December 2012 that would be interested in a summer 2012 internship.

As Mark would like a copy of your resume prior to the interview, please e-mail your resume to Kathy Kincade (kkincade@purdue.edu) by 5 p.m. on Friday, September 16. A sign-up sheet is located in CIVL 2169D.

**CHEVRON INTERVIEWS**
September 28-30
On September 28-30, Cathy Thibault and Michelle Gutenkunst will be in the department interviewing MS and PhD students interested in an Earth Science career with Chevron. If you are interested in an interview, send your current resume/CV, cover letter, and unofficial undergraduate and graduate transcripts to thic@Chevron.com by Friday, September 16.

In addition, on Wednesday, September 28th at 5 p.m. in CIVL 2201, Cathy and Michelle will present an Earth Science Careers Information Session to all interested students. After the presentation, Chevron will take the graduate students out for dinner.

**NATIONAL SCIENCE FOUNDATION’S “EAST ASIA & PACIFIC SUMMER INSTITUTES” (EAPSI) FOR US GRADUATE STUDENTS PURSUING SCIENCE AND ENGINEERING**
The goals of the EAPSI program are to provide students with firsthand research experiences in Australia, China, Japan, Korea, New Zealand, Singapore or Taiwan; an introduction to the science, science policy, and scientific infrastructure of the respective location; and an orientation to the society, culture and language. The primary goals of EAPSI are to introduce students to East Asia and Pacific science and engineering in the context of a research setting, and to help students initiate scientific relationships that will better enable future collaboration with foreign counterparts.
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284
There are scores of host universities, some which you will recognize as Purdue partners. The direct link follows for convenience.
http://www.nsf.gov/od/oise/eapsi-host-lists-all.jsp
The application deadline is November 9.

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**PUMA COOKOUT**
The PUMA Back to School Cookout will be held on the Civil Engineering brick patio at 6 p.m. on Thursday, September 8th. It is a great way for undergraduates to interact with professors and grad students in a less formal environment. All are welcome!

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**A NOTE FROM OUR ACADEMIC COUNSELOR**

**TEACH Grant Website**
A federal Teacher Education Assistance for College and Higher Education (TEACH) Grant program is available for specific Purdue University West Lafayette undergraduate and graduate students. The website has been updated by DFA: http://www.purdue.edu/dfa/fast/teachgrant.php.

**Grants Available to Students for Service Projects**
Funds are available to provide grants to students or student organizations for work on community service learning projects. The program, sponsored by the vice provost for engagement, has the goal to expand the community involvement of Purdue students in partnership with communities, nonprofit agencies, schools, and governmental bodies. A copy of the application and guidelines for the Student Grant Program for Community Service/Service Learning Projects can be found online at www.purdue.edu/engagement/service/sgpcs.shtml. Applications are due for the fall semester projects on or before September 15. Inquiries can be directed to Jenna Wargo in the Purdue Office of Engagement at 49-40899 or jwargo@purdue.edu.

**Career Fairs and Workshops**
You can find a list of workshops, career fairs and related events, and other useful information on the CCO website: https://www.cco.purdue.edu/. September is a month with many opportunities.

**Job Fairs**
- **Industrial Roundtable (Engineering Fair)** - Tuesday, September 13 and Wednesday, September 14, 2011. The fair is 2 days with over 300 companies attending; interviews and seminars also scheduled that week and before. There will be online and booklet information on the companies and location. See http://www.purdueesc.org/ for details.

**Purdue Graduate Student Fall Career Fair**
Tuesday, September 13, 2011, 12:00 pm - 4:00 pm in STEW 302-306. This is open to all graduate students; more details here: http://web.ics.purdue.edu/~pgsg/jobfair/students/.

**Events to Help with Job Searching**
- **Job Fair Workshop**, Wednesday, September 7, 4:30 - 5:30 pm in REC 122
- **Interviewing Workshop**, Thursday, September 8, 4:30 - 5:30 pm in REC 122
- **CCO Resume Blitz**: Thursday, September 8, 10:00 am - 4:00 pm in STEW 190 and 194
- Friday, September 9, 10:00 am - 4:00 pm in STEW 190 and 194
- Monday, September 12, 10:00 am - 4:00 pm in STEW 190 and 194

**Purdue Astronomy Club**
September 7 & 8, 8-9 pm are the callouts in PHYS 203. No math or physics is required. There will be free pizza and views of the Moon through the telescopes.

**Global Internships**
AIESEC is an international non-profit organization that strives for cultural understanding by means of international exchange. Paid internships in 107 countries are available for students and graduates. Learn more about AIESEC at http://web.ics.purdue.edu/~aiesec/

**INFO Sessions in BRNG 1260:**
- Tuesday 9/6 6:00pm
- Wednesday 9/7 6:00pm
- Thursday 9/8 6:00pm
- Friday 9/9 6:00pm

**Fall Schedules**
To drop a course from September 6-19 requires just advisor and student signatures with paperwork to Hovde. Course recorded with W for Withdraw on the transcript.

To drop a course from September 20 - October 26 (the last day for anyone to drop a fall class): Students with freshman classification need only advisor’s signature; all others need instructor and advisor signatures. All drops require paperwork, and the Withdraw is recorded on the transcript.

Nancy
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 Gina Richey (grichey@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.
EAS Faculty, Staff & Grad Students
WELCOME BACK PICNIC

September 6, 2011
Tuesday
4:00-6:30 pm
Civil Engineering Patio

Picnic dinner will be provided...
PLEASE BRING A DESSERT TO SHARE!

Families are Welcome!!!

Bring your outdoor games!!
Welcome Everyone (New & Returning) to The EAS Department!!!

Howdy all!

Now that classes have gotten underway, it is certainly time for PUGS to get kicked off as well! For those of you that don't already know (or haven't looked at our logo above), PUGS stands for “Purdue University Geological Society.” We had an extraordinary first year as a new organization this past year, with over 45 members and having been able to take several trips, for example: Topo-Map Challenge at Turkey Run S.P., Chicago Field Museum Visit, and a Caving Trip in Tennessee. With thanks to Steve Smith (our EAS outreach coordinator) PUGS was able to pull off successfully our 1st Annual Geology Day hosted here at Purdue.

Our new and returning officers are looking to further improve upon our success with some fantastic new trips, events, social activities, and more (all of which will be mentioned in the department weekly newsletter while bringing back some of our popular events, such as: Game Nights, “Professor Chats”, and Geocaching. Our purpose as a society is to further establish a sense of community throughout the entire EAS department while also providing assistance and mentorship to newer individuals in our department. That being said, it doesn't take solely being a geology major to be a part of PUGS. We are open to everyone on campus (Faculty & Staff included) who is interested in further learning about the geological sciences in a very relaxed and fun atmosphere.

We invite everyone to our upcoming callout on: Tuesday, Sept 13th @ 7:00pm in CIVL 2201

Here is to a great 2011-2012 academic year here at Purdue University!!! And of course: Boiler UP!!!!!!!

~ Zach Umperovitch (Founder and Current Vice President)

More information for each event will be made available through weekly emails, our display case located on the 3rd floor, and announced at regularly scheduled meetings

For questions regarding PUGS, please email: John Shufflebarger (President) (jshuffle@purdue.edu)
To join PUGS, please email: Zach Umperovitch (Vice President) (zumperov@purdue.edu)
To donate to PUGS, please email: Tyler Chisholm (Treasurer) (tschisho@purdue.edu)
The English Department is pleased to announce the

2011 Leonora Woodman
Memorial Lecture Series

“Rachel Carson and the Environmental Humanities”
Rob Nixon
Rachel Carson Professor of English
University of Wisconsin-Madison

Thursday, September 15
4:30 p.m.
Krannert Auditorium

Professor Nixon received his Ph.D. from Columbia University and is the author of London Calling. V. S. Naipaul, Postcolonial Mandarin (Oxford); Homelands, Harlem and Hollywood. South African Culture and the World Beyond (Routledge); Dreambirds: the Natural History of a Fantasy (Picador); and Slow Violence and the Environmentalism of the Poor (Harvard). He teaches environmental studies, postcolonial studies, creative nonfiction, African literature, world literature, and twentieth century British literature, and is affiliated with the Nelson Institute of Environmental Studies, the Center for Cultures and Histories of the Environment, African Studies, and the Creative Writing Program.

Professor Nixon is a frequent contributor to the New York Times; his writing has also appeared in publications such as The New Yorker, Atlantic Monthly, London Review of Books, Times Literary Supplement, Village Voice, The Nation, The Guardian, Outside, Chronicle of Higher Education, The Independent, and Slate. His writing on postcolonial studies, environmental studies, and South African literature and culture has been widely anthologized and has appeared in PMLA, Critical Inquiry, Modern Fiction Studies, Social Text, South Atlantic Quarterly, Ariel, Black Renaissance/Renaissance Noire among other venues.

Dreambirds was selected as a Notable Book of 2000 by the New York Times Book Review and as one of the ten best books of the year by Esquire. It was also serialized as Book of the Week on BBC Radio Four and received starred reviews from Publisher's Weekly, Library Journal, and Choice. Nixon's book London Calling was named by Choice as one of the best academic books of the year.

Professor Nixon has been the recipient of a Guggenheim Fellowship, a Fulbright-Hays Fellowship, a MacArthur Foundation Peace and Security Fellowship, and a National Endowment for Humanities Fellowship. He is currently a Senior Fellow at the University of Wisconsin Institute for the Humanities.

Sponsored by the Department of English, College of Liberal Arts. For more information contact Professor Robert Marzec at (765) 494-3759 or rmarzec@purdue.edu
Register Now!

Volunteer to sample four of 250 stream sites on tributaries draining to the Wabash River and Wildcat Creek.

Sampling occurs on September 16th from 3 - 5 p.m. - arrive as early as 2:30 p.m. or anytime within our sampling window.

No training needed or equipment required.

To volunteer visit [http://tiny.cc/WabashBlitzFall2011](http://tiny.cc/WabashBlitzFall2011) or contact Sara Peel at speel@lafayette.in.gov or (765) 337-9100.
Position No.00050087: Tenure-track Assistant Professor in Structure/Tectonics or Resource Geology

The Roy M. Huffington Department of Earth Sciences at SMU invites applicants to fill a position in one of two areas: structural geology/tectonics or resource geology. The successful candidate will be expected to develop a research program that competes for external research funding and that complements and extends programs of the department. Teaching responsibilities include courses at the undergraduate and graduate levels.

For structural geology/tectonics, candidates should have expertise and a successful record of research in areas which may include the application of continuum mechanics processes applied to lithospheric and asthenospheric processes, kinematics of deformation, temporal and spatial aspects of orogenesis and lithospheric evolution of planetary bodies.

For resource geology, candidates should have expertise and successful research records in the quantitative and field-based studies of renewable and/or non-renewable resources, including their genesis, discovery, characterization, or development of natural resources.

To insure full consideration applications must be received by October 1, 2011, but will continue to be accepted until the position is filled. Applications can be submitted electronically or in writing to Professor John Walther, Search Committee Chair, Department of Earth Sciences, Southern Methodist University, PO Box 0395, Dallas TX 75275 or to sschwob@smu.edu. They should include curriculum vitae, a statement of research and teaching interests and contact information for three referees. SMU will not discriminate on the basis of race, color, religion, national origin, sex, age, disability, or veteran status. SMU is also committed to the principle of nondiscrimination on the basis of sexual orientation. Hiring is contingent upon satisfactory completion of a background check. A PhD is required at the time of appointment. The start date is August 1, 2012.