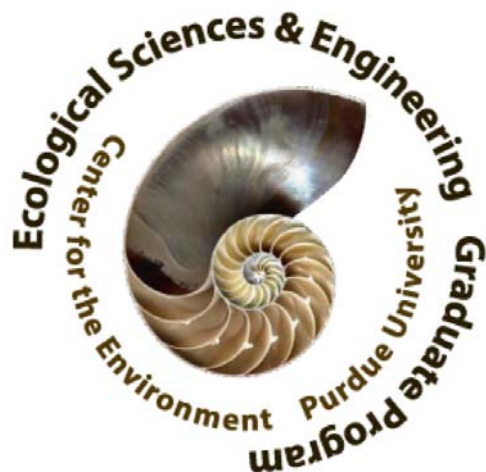


November 12, 2007

THE HEAD'S PERSPECTIVE



Ecological Sciences and Engineering Symposium, November 9, 2007

The first annual Ecological Sciences and Engineering (ESE) Symposium was held last Friday in the Stewart Center. ESE is an interdisciplinary graduate program coordinated by the Center for the Environment

(<http://www.purdue.edu/DP/environment/>). The symposium

(<http://www.purdue.edu/DP/ese/symposium/index.html>) was sponsored by the Center for the Environment (C4E), Discovery Park, the Office of the Vice President for Research, the Clean Manufacturing Technology Institute, and several Purdue academic departments including EAS. The program included 5 invited speakers and a poster session. Three EAS graduate students, Cristina Carbajo, Linda Sylvester, and Denise Weinkauff were members of the EAS Symposium Student Committee who helped organize and run the very successful symposium. Congratulations and thanks to Cristina, Linda and Denise! The symposium also included a poster session featuring several poster presentations by EAS students, researchers and faculty. Planning for the 2008 ESE Symposium is now beginning. Friday's symposium was a great start and we look forward to the next ESE symposium in 2008!

UPCOMING MEETINGS

Thursday, November 15

- President's Forum, PMU, South Ballroom (8 a.m.)

SEMINAR ANNOUNCEMENTS

Thursday, November 15, at 3:30 p.m. in CIVL 1252: "Correlation Distances in Atmospheric Measurements." William Cooper, NCAR

Refreshments at 3 p.m. in CIVL 2201

For more information, see the EAS online [calendar](#).

OUR RECENT PUBLICATIONS

Ting S.-Y., J. Meng, L. Qian, Y.-Q. Wang, Y.-S. Tong, J.A. Schiebout, P.L. Koch, W.C. Clyde, and **G.J. Bowen**, 2007: *Ganungulatum xincunliense*, an artiodactyl-like mammal (Ungulata, Mammalia) from the Paleocene, Chijiang Basin, Jiangxi, China. *Vertebrata Palasiatica*, 45, 278-286.

RECENT PRESENTATIONS

Presentations at the GSA national meeting (10/28-10-31, Denver):

[GEOSPATIAL DATA PRODUCTS AS A TRANSFORMATIONAL RESOURCE FOR STABLE ISOTOPE SCIENCE](#): Bowen, Gabriel, West, Jason, Zhao, Lan, and Miller, Chris (poster).

[PALEOCENE TO EOCENE CLIMATE CHANGE IN CENTRAL UTAH: CHEMO- AND LITHOSTRATIGRAPHY OF THE FLAGSTAFF FORMATION, CENTRAL UTAH](#): Bowen, Gabriel and Bowen, Brenda B. (talk).

[TOWARD THE RECONSTRUCTION OF THE PALEOHYDROLOGY OF THE GREAT SALT LAKE, UTAH, USING STABLE ISOTOPE RATIOS OF BRINE SHRIMP CHITIN](#): Nielson, Kristine and Bowen, Gabriel (talk).

Pablo A. Llerandi-Román, Grand Valley State University and Gerald H. Krockover presented "Addressing the geoenvironmental and sociocultural contexts in constructivist field-based geoscience teacher education" at the recent annual GSA meeting in Denver.

From October 28-31, 2007, Terry West attended the annual meeting of the Geological Society of America in Denver, Colorado. At the meeting he attended meetings of the Engineering Geology Division (EGD) Management Board and of the GSA Affiliated and Allied Societies, where he represented AEG, and attended the EGD Business and Awards luncheon. There he gave the citation for the 2008 Jahns lecturer, Dr. John Clague of Simon Fraser University, British Columbia, Canada. He also presented an oral paper, coauthored with former EAS student, Spencer Fairfax, entitled, "Forensic Study of Road Construction across an Organic Deposit, Lindberg Road Expansion, West Lafayette, Indiana."

Hersh Gilbert gave a talk on November 2 at the University of New Mexico in the Department of Earth and Planetary Sciences colloquium series. The title of the talk was "Lithospheric Foundering in Continental Deformation."

Kevin Gurney presented, "In search of the Missing Sink" at Indiana University on November 8th.

Poster presentations given by Prof. Zhuang, et al.:

Tang, J., and Q. Zhuang, "Quantifying the Uncertainty of Carbon Dynamics in Boreal Forests with High-performance Computing," Computing Research Institute poster session, Purdue University, October 25, 2007.

Tang, J., and Q. Zhuang, "A Global Sensitivity Analysis and Bayesian Inference Framework to Improve the Parameter Estimation and Prediction of Process-Based Terrestrial Ecosystem Models," Purdue Ecological Sciences and Engineering Symposium, Purdue University, November 9, 2007.

Lu, X., Q. Zhuang, Y. Hu, and J. Tang, "Modeling Responses of Net Primary Productivity to Climatic Changes in Indiana During the 20th Century," Purdue Ecological Sciences and Engineering Symposium, Purdue University, November 9, 2007.

Prof. Cushman gave three invited talks over the past week:

"Preasymptotic Dispersion" at the UMG meeting in Puerto Vallarta, Mexico

"A Universal Field Equation for Dispersive Processes" at the North American Meeting on Porous Media in Puerto Vallarta, Mexico

"Fractional Field Equations and the CTRW" at the Stochastic Transport and Emergent Scaling in Earth-Surface Processes workshop in Lake Tahoe, Nevada

PGI FIELD TRIP

On Saturday, October 13, 2007, Terry West led a field trip on Applied Geology Aspects of Tippecanoe County for the Professional Geologists of Indiana (PGI). It was their 8th Annual "All Universities Roaming Field Trip", a university sponsored trip for this geological organization located in Indianapolis. An EAS graduate, Matt Dagon of PGI, helped to organize the field trip.

Terry West, assisted by several EAS students (Cristina Carbajo, Linda Sylvester, Denise Weinkauff and Kessler Krieg), along with Steve Smith, EAS Outreach Coordinator, and Tom Clifton of the PRIME Lab, prepared a 44-page field trip guide that was distributed to the participants. Material for the field trip guide was also contributed by Bob Kriebel of the Lafayette Journal and Courier newspaper and Elizabeth Solberg, former Director of the Lafayette Railroad Relocation project.

LAPTOP SECURITY CHECKUPS

With many people preparing to leave for upcoming conferences, now is a good time to discuss laptop security checkups. It is critically important to the security of your data and your identity to have a secure laptop, and even more so when you will be connecting to an unknown network (such as in an airport or hotel).

On Thursday, November 29, the EAS IT staff will hold a laptop security day. Owners of University laptops are asked to bring them in to receive a checkup. The checkup will consist of a quick check to make sure the operating system and anti-virus are being regularly updated. Any laptops which have not been scanned as part of the University-wide Social Security Number scanning project will be scanned. You will then be asked to leave your laptop plugged in for four hours to receive the latest OS and application patches.

There will be open hours in CIVL 4252 from 9 a.m. until noon on Thursday, November 29. We ask that you come during these times so that you will have enough time to leave your laptop plugged in before you leave for the day. As always, if you have any questions, please contact eas-itap@purdue.edu.

GIS DAY 2007

Purdue Libraries is hosting a GIS Day 2007 celebration on Wednesday, November 14, from 11 a.m.–1:30 p.m. in the Purdue Memorial Union East Faculty Lounge. A poster session illustrating various uses of GIS will begin at 11 a.m., followed by (~12:15 p.m.) a series of presentations about GIS-driven or GIS-related projects happening at Purdue already. This event is free and open to the public. For more details, please see <http://www4.lib.purdue.edu/gis/gisday/>.

NOTES FROM FORMER STUDENTS

This is Brooke Myer (a.k.a. Brooke Halvorson). I graduated from Purdue with my BS in Synoptic Meteorology in 2004 and with my MS in 2006. I am currently living in the Philadelphia area working for the Pennsylvania Department of Environmental Protection as an Air Quality Specialist. I am enjoying the east coast but I know my heart belongs in the Midwest ... I truly miss Purdue and hope to return for a short visit in the near future.

Thanks for keeping me in touch with Departmental news, I love hearing how well everyone is doing. Give everyone a "hello" from me.

Brooke Myer

My name is Basilio Lopez, Jr., nickname Buzz (BS '90). I have been in the greater Boston area for 3-1/2 years. I work full-time at Weather International Services (www.wsi.com) in Andover, Massachusetts. I work in the media/programming department, where I have been part of on-air and technical support for several media clients, including Bloomberg and FOX. I have also provided part-time support to the local CBS affiliate, WBZ (www.wbztv.com), in Boston through this past summer and fall. Prior to this, I had lived in West Lafayette, working at WLF1-18 as the morning Meteorologist. In late September, I married my partner of 2-1/2 years, and we live in Lowell, Massachusetts.

Thank you for your time - GO BOILERS!

Basilio Lopez, Jr. "Buzz"
BS 90

A NOTE FROM OUR ACADEMIC COUNSELOR Scholarship

HONEYWELL is offering the Innovators Scholarship Program. This program was created in 2006 and consists of a summer internship, and upon completion, the student will receive \$10,000 to put toward their last year in school. This year they are

looking to expand the program to 40 – 50 Innovators Scholars. NOTE: North America interns will work in North America locations only.

They are currently collecting applications for the 2008 Innovators Scholarship Program, which is open to all undergraduate juniors and masters students (majoring in engineering, technology or **science**) with at least one semester of study remaining after summer 2008.

The application deadline is **December 1, 2007**. They must have all materials by this date. For more information and to apply, visit: www.honeywell.com/careers/innovators_program.html.

Will You Be Pursuing a PhD Program and Seeking a Fellowship?

The Madison and Lila Self Graduate Fellowship is available at the University of Kansas for individuals who intend to pursue a doctorate in **physical sciences**, mathematics, engineering, business, economics, or biological and pharmaceutical sciences. This highly selective four-year fellowship offers a \$24,000 annual stipend, covers full tuition and fees, and provides a unique professional development program. The total value of the four-year fellowship exceeds \$135,000.

They are looking for U.S. citizens who have a vision, the ability to set and achieve goals, leadership potential, and a strong work ethic. Self Fellows demonstrate initiative and a passion for achievement and lifelong learning.

Self Fellows participate in a development program that provides general education and training in communication, management, and leadership, complementing the specialized education and training provided in their Ph.D. programs.

Each January, KU departments submit Self Fellow nominations. More than 100 fellows have benefited from the program since it began in 1991. A detailed description of the fellowship can be found at <http://www.ku.edu/~selfpro>.

Nancy

HAPPY BIRTHDAY!!!

Jerry Krockover – November 12

Ken Ridgway – November 12





NSF Fellowship Callout for STEM Ph.D. Students

November 12, 2007
BRNG 1245
4:00—5:00pm

January 9, 2008
BRNG 1245
4:30—5:30pm

The Discovery Learning Center in Discovery Park offers a unique opportunity for doctoral students in the STEM disciplines (Science, Technology, Engineering, and Mathematics) to apply for a one-year fellowship funded by the National Science Foundation and Purdue University. Fellows serve as “visiting scientists” in a program designed to instill the excitement of learning science into middle school classrooms. Teamed with 6th, 7th, and 8th grade science and math teachers, a diverse group of fellows will develop and teach interdisciplinary, inquiry-based lessons geared toward science of everyday life.



NSF requires applicants be U.S. citizens. STEM Education students are ineligible.

Benefits of Participation:

- \$30,000 stipend with tuition and most fees paid
- Excellent training in communications and community outreach
- Opportunity to make a difference for science education

DISCOVERY
LEARNING CENTER

For more information,
please contact:
Amy Childress
childres@purdue.edu

Application available online at <http://www.purdue.edu/dp/gk12>

Application Deadline: January 22, 2008