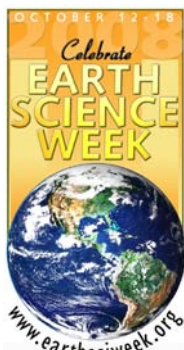


October 13, 2008

## THE HEAD'S PERSPECTIVE

### Earth Science Week, October 12-18, 2008



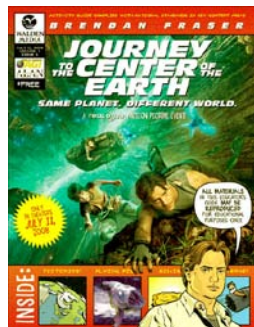
This is Earth Science week, coordinated by the American Geological Institute and sponsored by a large number of geoscience societies and organizations. Earth Science Week (ESW) is an opportunity to focus attention on the Earth sciences and make connections to students, K-12 teachers and the public. This year has a special connection to the International Year of

Planet Earth (<http://yearofplanetearth.org/index.html>). Materials, teaching lessons and other useful information for education and outreach are available at the ESW website: <http://www.earthsciweek.org/>.

Activities are designed for use throughout the year and include an activity calendar, curriculum materials and the *Journey to the Center of the Earth* Educator Guide ([http://www.earthsciweek.org/J3D\\_web\\_150dpi.pdf](http://www.earthsciweek.org/J3D_web_150dpi.pdf), see cover page above). An excerpt from the AGI website explaining more about ESW is provided below. I encourage you to take advantage of some of the ESW materials and to participate in ESW as an education and outreach initiative to students, teachers and the public.

"AGI is pleased to announce the theme of Earth Science Week 2008: "No Child Left Inside." Being held October 12-18, Earth Science Week 2008 will encourage young people to learn about the geosciences by getting away from the television, off the computer, and out of doors.

"AGI hosts Earth Science Week in cooperation with sponsors as a service to the public and the geoscience community. Each year, local groups, educators, and interested individuals organize celebratory events. Earth Science Week offers opportunities to discover the Earth sciences and engage in responsible stewardship of the Earth. The program is supported by the U.S. Geological Survey, NASA, the National Park Service, the AAPG Foundation, and other geoscience groups."



## UPCOMING MEETINGS

### Wednesday, October 15

- EAS Leadership Team, CIVL 2173 (9 a.m.)

### Friday, October 17

- ATMS Tea, CIVL 2201 (2:30 p.m.)

## EAS SEMINAR

### Thursday, October 16, at 3:30 p.m. in CIVL 1252:

"Climate vs. Farming: 100-Year Changes in Water and Carbon Fluxes from Watersheds of the Mississippi." Peter Raymond, Yale University

Refreshments at 3 p.m. in CIVL 2201

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

## RECENT PRESENTATIONS

Gilbert Rochon presented a keynote address on Wednesday, October 8, at the plenary session of the National Spatial Data Infrastructure (NSDI Korea 2008) Conference at the KINTEX Conference Center at Gyeonggi-Do Province, Korea. His talk was entitled, "Spatial Data Infrastructures (SDI): Origins, Current Status & Future Prospects-National, Regional and Global." The session was also greeted by South Korea's Prime Minister and the Minister of Transport and Land Use.

For a list of presentations given at the 2008 GSA Meeting in Houston, Texas, see the last four pages of this newsletter.

## Employment Planning for International Students

### Thursday, October 16, 4:30 – 5:30 p.m., Phys 112.

This workshop will present an overview of work authorization requirements and application processes for international graduate students seeking work in the U.S. These include CPT and OPT for off-campus work before graduation, and OPT, J-1 Visa, and H-1B Visa for work after graduation. Information on the new rules for OPT extension will also be presented.



**PGSG**

Purdue Graduate Student Government

## WINTER 2008 GRADUATION FAIR

Wednesday, October 22

Thursday, October 23

8 a.m. – 4 p.m.

Dick and Sandy Dauch Alumni Center

Each candidate will have the opportunity to indicate participation in the ceremony, request extra tickets, rent a cap and gown, etc. Please bring your student identification card with you.

### THANK YOU!

Many thanks to Brenda Bowen, Eric Riggs, Yuch-Ning Shieh, Juli Bell, Andrew Cyr, Juan Herrera and Stacy Story for assisting at our GSA student recruiting booth at the Houston meeting.



We met numerous prospective students that will hopefully attend Purdue for their next degree!

### A NOTE FROM OUR ACADEMIC COUNSELOR

#### Research and Fulbright Opportunities in Australia

**Friday, October 17** from 1:30-2:30 p.m. in PMU 118. Representatives from the Australian-American Fulbright Commission will be on campus Friday, October 17, to present information about research and Fulbright Opportunities in Australia, including the new Fulbright CSIRO Postgraduate Scholarship. The presentation is open to the entire Purdue community (undergraduates, graduate students, faculty and staff). See [Study in Australia](#) or [Australian-American Fulbright Commission](#).

### Undergraduate Registration and myPurdue

October 13 – Registrar will post priority time to enter classes in myPurdue at your myPurdue login.

October 20 – Schedule of classes posted with CRN's needed to add spring classes.

Unless otherwise notified, your priority registration (time you can add classes) will be within these dates:

Senior	November 3 – November 6
Junior	November 10 – November 13
Sophomore	November 17 – November 20
Freshman	November 24 – December 2

When your priority time(s) end(s), you will be locked out of registration until the Open Time (**December 4 at 8 a.m.**) when everyone can go back into the system to add, drop, etc.

Meeting with advisor before the times posted above: priceless.

Nancy

### HAPPY BIRTHDAY!!!

Carolyn Laffoon – October 13

Dev Niyogi – October 18

Darrell Leap – October 19



### ABOUT THIS NEWSLETTER:

This weekly newsletter is the place to look to keep up with departmental happenings, announcements (seminars, student group events, scholarship and award deadlines, departmental committees), job and grant opportunities, and anything else you need to know about the department. It should cut down on the glut of email and other forms of separate announcements – **if it is in the newsletter, we assume you know about it** and no other reminders are needed. Past issues will be available on our departmental web site ([www.purdue.edu/eas/](http://www.purdue.edu/eas/)). Material for inclusion in the newsletter should be submitted to Gina Richey ([grichey@purdue.edu](mailto:grichey@purdue.edu)) by **Friday noon** of each week for inclusion in the Monday newsletter.

For answers to common technology questions and the latest updates from the EAS Technology Support staff, please visit <http://www.purdue.edu/eas/resources/it>.

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>.



**FACULTY AND STUDENT PRESENTATIONS AT THE  
2008 GSA MEETING IN HOUSTON, TEXAS**

**EAS FACULTY AND STUDENTS ARE SHOWN IN GREEN (BOLD)**

**Sunday, 5 October 2008**

**118-2** Distributed Connectivity Between a Large Lake System and Terrestrial Hydroclimate

*Sunday, 5 October 2008: 8:15 AM*

*George R. Brown Convention Center, 320F*

**Gabriel Bowen, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

*Paul Henne, Department of Environmental Sciences, ETH Zurich, Zurich, Switzerland*

**Casey Kennedy, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

**140-8** Increasing Native American Student Participation in the Geosciences: The GEMscholars Project

*Sunday, 5 October 2008: 10:20 AM*

*George R. Brown Convention Center, 310CF*

*Suzanne M. Zurn-Birkhimer, Women in Engineering, Purdue University, West Lafayette, IN*

**Timothy R. Filley, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

*Timothy J. Kroeger, Center for Environmental, Earth & Space Studies, Bemidji State University, Bemidji, MN*

**Monday, 6 October 2008**

**POSTERS**

**583-17** Glomalin and Soil Structure Following Woody Plant Invasion of Grasslands.

*Monday, 6 October 2008*

*George R. Brown Convention Center, Exhibit Hall E*

*Martha Ariza, Ecosystem Science and Management, Texas A&M University, College Station, TX*

*Jamie Applewhite, Soil and Crop Sciences, Texas A&M University, College Station, TX*

*Charles T. Hallmark, Soil and Crop Sciences, Texas A&M University, College Station, TX*

*Ilsa B. Kantola, Ecosystem Science and Management, Texas A&M University, College Station, TX*

*Darrin Moore, Ecosystem Science and Management, Texas A&M University, College Station, TX*

*David A. Zuberer, Soil and Crop Sciences, Texas A&M University, College Station, TX*

**Timothy Filley, Dept. of Earth and Atmospheric Science, Purdue University, West Lafayette, IN**

*Thomas W. Boutton, Ecosystem Science and Management, Texas A&M University, College Station, TX*

**197-4** A NEW Architectural Element for Modelling the Neogene FLUVIAL Basins Impacted by Volcanism In Central Colombia (SOUTH AMERICA)

*Monday, 6 October 2008*

*George R. Brown Convention Center, Exhibit Hall E*

**Juan S. Herrera, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

*Carlos A. Borrero, Geology Dept, Caldas University, Manizales, Colombia*

*Sergio A. Lopez, Geology, University of EAFIT, Medellin, Colombia*

**199-4** The Cretaceous Astronomical Time Scale

*Monday, 6 October 2008*

*George R. Brown Convention Center, Exhibit Hall E*

*Robert Locklair, Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD*

*Linda A. Hinnov, Morton K. Blaustein Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD*

**James G. Ogg, Earth and Atmospheric Sciences, Purdue Univ, West Lafayette, IN**

## **PAPERS**

**191-5** The Roles of Worldview, Realpolitik and Motivation in Studying the Earth Sciences: Perspectives Drawn from Working as a Geoscientist and Educator on Native American Reservations

*Monday, 6 October 2008: 9:05 AM*

*George R. Brown Convention Center, 342CF*

***Eric M. Riggs, Dept. of Earth and Atmospheric Sciences and CRESME, Purdue University, W Lafayette, IN***

**192-8** Groundwater Supply and Construction Problems Related to a Bedrock High in Glacial Terrain, West Lafayette, Tippecanoe County, Indiana

*Monday, 6 October 2008: 9:55 AM*

*George R. Brown Convention Center, 330B*

***Terry R. West, Earth & Atmospheric Sciences, Purdue University, West Lafayette, IN***

***Linda Sylvester, Earth & Atmospheric Sciences, Purdue University, West Lafayette, IN***

**178-9** Abandonment of Unaweep Canyon ~1 Ma and the Effects of Transient Knickpoint Migration, Western Colorado

*Monday, 6 October 2008: 10:45 AM*

*George R. Brown Convention Center, 350DEF*

*Andres Aslan, Department of Physical and Environmental Sciences, Mesa State College, Grand Junction, CO*

*William Hood, Grand Junction, CO*

*Karl Karlstrom, Department of Earth and Planetary Sciences, University of New Mexico, Albuquerque, NM*

*Eric Kirby, Department of Geoscience, Penn State Univ, University Park, PA*

***Darryl Granger, Earth & Atmospheric Science, Purdue Univ, West Lafayette, IN***

*Charles Betton, Grand Junction, CO*

*Andrew Darling, Physical and Environmental Sciences, Mesa State College, Grand Junction, CO*

*Mary Benage, Physical and Environmental Sciences, Mesa State College, Grand Junction, CO*

*Shane D. Schoepfer, Geological Sciences, Brown University, Providence, RI*

**209-6** Pacific Spreading Rates during Middle Jurassic through Early Cretaceous: Astronomical Cycle-Derived Durations of M-Sequence Polarity Chrons

*Monday, 6 October 2008: 3:20 PM*

*George R. Brown Convention Center, 361DE*

*Slah Boulila, CNRS - UMR 7072 Tectonique, case 117, Université Pierre & Marie Curie, Paris, France*

***James G. Ogg, Department of Earth and Atmospheric Sciences, Purdue University, W Lafayette, IN***

***Piotr A. Przybylski, Department of Earth and Atmospheric Sciences, Purdue University, W Laf, IN***

*Bruno Galbrun, CNRS - UMR 7072 Tectonique, case 117, Université Pierre & Marie Curie, Paris, France*

*Linda A. Hinnov, Morton K. Blaustein Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD*

**209-8** Absolute Age of the Cretaceous-Paleogene Boundary at the Precessional Scale

*Monday, 6 October 2008: 3:50 PM*

*George R. Brown Convention Center, 361DE*

*Linda A. Hinnov, Morton K. Blaustein Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD*

*Robert Locklair, Morton K. Blaustein Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD*

***James G. Ogg, Earth and Atmospheric Sciences, Purdue Univ, West Lafayette, IN***

*Emilia Huret, Morton K. Blaustein Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD*

**204-12** Joint Analysis of GPS and Shear-Wave Splitting Data to Understand Large-Scale Continental Deformation in Central Asia

*Monday, 6 October 2008: 4:45 PM*

*George R. Brown Convention Center, 332AD*

***Lucy M. Flesch, Department of Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN***

*Paul G. Silver, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, DC*

**Tuesday, 7 October 2008**

**POSTER**

**251-9** A Comparison Between the Interseismic and Long-Term Strain Rate Fields in Western North America

*Tuesday, 7 October 2008*

*George R. Brown Convention Center, Exhibit Hall E*

*William E. Holt, Geosciences, Stony Brook University, Stony Brook, NY*

*Elliot C. Klein, Geosciences, Stony Brook University, Stony Brook, NY*

**Lucy M. Flesch, Department of Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

**PAPERS**

**244-2** Objective Measures of Student Navigation Correlate with Field-Based Geologic Problem Solving

*Tuesday, 7 October 2008: 8:15 AM*

*George R. Brown Convention Center, 350DEF*

**Russell N. Balliet, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

**Eric M. Riggs, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

**238-4** Sulfur, Sulfates, and Fossils In Acid Saline Deposits In Western Australia and Chile: Clues for Understanding Mars

*Tuesday, 7 October 2008: 9:00 AM*

*George R. Brown Convention Center, 310BE*

*Kathleen C. Benison, Department of Geology, Central Michigan University, Mt. Pleasant, MI*

**Brenda Beitler Bowen, Department of Earth and Atmospheric Sciences, Purdue Univ, W Lafayette, IN**

**244-5** Novelty Space as a Factor in Field-Based Geoscience Education for Native American Students

*Tuesday, 7 October 2008: 9:05 AM*

*George R. Brown Convention Center, 350DEF*

**Eric M. Riggs, Dept. of Earth and Atmospheric Sciences and CRESME, Purdue Univ, W Lafayette, IN**

**Juan S. Herrera, Dept. of Earth and Atmospheric Sciences and CRESME, Purdue Univ, W Lafayette, IN**

*Rebekka Darner, Biological Sciences Program, University of Florida, Gainesville, FL*

*Joe T. Elkins, Department of Earth Sciences, University of Northern Colorado, Greeley, CO*

**231-7** Timing and Correlation of Early Paleocene Asian Land Mammal Ages: New Results from the Nanxiong Basin, Gaungdong Province, China

*Tuesday, 7 October 2008: 9:15 AM*

*George R. Brown Convention Center, 351CF*

*William C. Clyde, Department of Earth Sciences, University of New Hampshire, Durham, NH*

*Suyin Ting, Museum of Natural Science, Louisiana State University, Baton Rouge, LA*

*Kathryn E. Snell, Dept. of Earth and Planetary Sciences, University of California Santa Cruz, Santa Cruz, CA*

*Paul L. Koch, Dept. of Earth and Planetary Sciences, University of California Santa Cruz, Santa Cruz, CA*

**Gabriel J. Bowen, Department of Earth and Atmospheric Sciences, Purdue University, W Lafayette, IN**

*Li Qian, Instit of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing 100044,*

*Yuanqing Wang, Instit of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing*

*Yongsheng Tong, Instit of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing*

**265-5** Spectral Properties of Chemical Sediments in Modern Acid Saline Lakes and Implications for Mars

*Tuesday, 7 October 2008: 2:30 PM*

*George R. Brown Convention Center, 330A*

**Brenda Beitler Bowen, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

**Julianne Bell, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

*Kathleen Benison, Geology, Central Michigan University, Mt. Pleasant, MI*

**Stacy Story, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

**263-7** Insights on Lithospheric Delamination from the Sierra Nevada Earthscope Project (SNEP)

*Tuesday, 7 October 2008: 3:50 PM*

*George R. Brown Convention Center, General Assembly Theater Hall A*

*George Zandt, Department of Geosciences, University of Arizona, Tucson, AZ*

**Hersh Gilbert, Department of Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

*Craig Jones, Dept. of Geological Sciences, University of Colorado - Boulder, Boulder, CO*

*Thomas J. Owens, Department of Geological Sciences, University of South Carolina, Columbia, S*

## **Wednesday, 8 October 2008**

**283-4** Comparing the Spatial Variability of Cosmogenic  $^{10}\text{Be}$  Erosion Rates and Channel Steepness to Quaternary Uplift Rates in Northern and Southern Italy

*Wednesday, 8 October 2008: 8:50 AM*

*George R. Brown Convention Center, 332AD*

**Andrew J. Cyr, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

*Valerio Olivetti, Dipartimento di Scienze Geologiche, Università Roma Tre, Roma, Italy*

**Darryl E. Granger, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

*Paola Molin, Dipartimento di Scienze Geologiche, Università Roma Tre, Roma, Italy*

*Claudio Faccenna, Dipartimento di Scienze Geologiche, Università Roma Tre, Roma, Italy*

**290-14** Evaluating Structural Diagenesis with Imaging Spectroscopy: Examples from the Jurassic Navajo Sandstone

*Wednesday, 8 October 2008: 11:35 AM*

*George R. Brown Convention Center, 320ABC*

**Julianne Bell, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

**Brenda Beitler Bowen, Earth and Atmospheric Sciences, Purdue University, West Lafayette, IN**

**320-4** Active Tectonics of An Onshore-Offshore Fold-Thrust Belt Undergoing Intense Mass Redistribution by Erosion and Deposition: Initial Results from the ST. Elias Erosion and Tectonics Project (STEEP)

*Wednesday, 8 October 2008: 2:35 PM*

*George R. Brown Convention Center, 332CF*

*Terry L. Pavlis, Geological Sciences, University of Texas at El Paso, El Paso, TX*

*James B. Chapman, Geological Sciences, University of Texas, El Paso, El Paso, TX*

*Aaron L. Berger, Blacksburg, VA*

*James A. Spotila, Geological Sciences, Virginia Polytechnic Institute and State Univ, Blacksburg, VA*

*Eva Enkelmann, Bethlehem, PA*

*Ronald L. Bruhn, Geology and Geophysics, Univ of Utah, Salt Lake City, UT*

**Kenneth Ridgway, Department of Earth and Atmospheric Sciences, Purdue University, W Lafayette, IN**

*Lindsay A. Worthington, Austin, TX*

*Sean Gulick, The Institute for Geophysics, The Univ of Texas at Austin, Austin, TX*