

November 9, 2009

## UPCOMING MEETINGS

### Friday, November 13

- EAS Executive Committee, CIVL 2173 (1:30 p.m.)
- ATMS Tea, CIVL 2201 (2:30 p.m.)

### Monday, November 16

- EAS Faculty Meeting, CIVL 3201 (11:45 a.m.)

## EAS SEMINAR

**Thursday, November 12, at 3:30 p.m. in CIVL 1252:** "Are We All Martians? The Meteoritic Exchange of Life between Planets." Prof. Jay Melosh, EAS, Purdue University

*Refreshments at 3 p.m. in CIVL 2201*

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

## OUR RECENT PUBLICATIONS

Braile, Lawrence W., 2009: Seismic Monitoring, *Geological Monitoring*, R. Young, and L. Norby, Eds., Geological Society of America, 229-244.

## RECENT PRESENTATIONS

["H and O Isotope Ratios of Heterotroph Tissues as Paleoclimatic and Paleoecological Proxies"](#) by Bowen, Fox-Dobbs, Nielson, Wassenaar, Cerling, and Ehleringer, 2009 GSA Annual Meeting, 18-21 October, Portland, Oregon

["Forensic Applications of Stable Isotopes in Human Hair"](#) by Cerling, Bowen, G., Chesson, Ehleringer, Errkila, Podlesak, Thompson, Remien, and Valenzuela, 2009 GSA Annual Meeting, 18-21 October, Portland, Oregon

## PANEL PARTICIPATION

Sonia Lasher-Trapp participated in the NSF Observing Facilities Assessment Panel (OFAP) meeting on 3-4 November at the National Center for Atmospheric Research in Boulder, Colorado.

## AWARD PRESENTATION

Terry West served as the Citationist for a major award presented to Dr. Syed Hasan during the Engineering Geology luncheon at the Geological Society of America meeting held recently in Portland Oregon. The 2009 Meritorious Service Award was presented for outstanding service to the environmental and engineering geology profession. Dr. Hasan is a Professor and former Department Chair for the Department of Geosciences at the University of Missouri, Kansas City where he has been on the faculty for 28 years. He is a GSA Fellow and Past Chair of the Engineering Geology Division of GSA. He received his Ph.D. in Environmental and Engineering Geology from Purdue University in 1978 and is the author of the textbook, "Geology and Hazardous Waste Management," 1996 which was given the Claire B. Holdrege award as the best publication in applied geology in 1998 by the Association of Environmental and Engineering Geologists (AEG). He was the recipient of the Outstanding Alumnus Award from the EAS Department in April 2005, where he gave a well-received presentation on Medical Geology. Terry West served as his major professor during his Ph.D. studies.



(Left-to-Right) Dr. Abdul Shakoor (also a Purdue Ph.D. who chaired the awards ceremony), Terry West and Dr. Syed Hasan displaying the plaque for the Meritorious Service Award.

## FROM OUR BUSINESS OFFICE

This is a reminder that your 2010 open enrollment benefit packet should have been delivered to your mailboxes. You **MUST** make some sort of change since all the insurance plans have new names and providers this year. If you did not receive a packet please let me know and I will contact staff benefits. If you need assistance in picking a new plan, you may contact staff benefits at 494-2222 or attend one of the information sessions being held below.

### 2010 Open Enrollment Walk-In Sessions with Staff Benefits, CIGNA, and Medco:

Date	Time	Room	Location
Tues, Nov 10	8:30 a.m.-4:30 p.m.	STEW 318	Stewart
Wed, Nov 11	11:00 a.m.-6:00 p.m.	ONEP 136	Ross
Thurs, Nov 12	8:30 a.m.-4:30 p.m.	STEW 318	Stewart
Fri, Nov 13	8:00 a.m.-11:30 a.m.	FREH 2-2	Freehafer

Open enrollment closes on **November 13, 2009!**

### Recent Proposals (August 2009 – October 2009)

- Baldwin, Michael E.: Reanalysis of NEXRAD-era Data for the Study of Convective-Scale Precipitation Systems. U.S. DOE – \$790,145
- Bowen, Brenda B.: Training Students to Analyze Spatial and Temporal Heterogeneities in Reservoir and Seal Petrology, Mineralogy, and Geochemistry: Implications for CO<sub>2</sub>. U.S. DOE – \$299,920
- Bowen, Brenda B.: Exploring Evidence of Late Stage Aqueous Activity in Marwrth Vallis and other Phyllosilicate-bearing Terrains. Space Science Institute – \$113,517
- Bowen, Gabriel J.: Collaborative Research: Bighorn Basin Coring Project (BBCP)-Targeted Continental Drilling of Paleogene Hyperthermals. NSF – \$144,755
- Calais, Eric: GPS measurements for seismic hazard in Haiti. Observatoire National pour l'Environnement – \$10,000
- Campbell, Wayne W.; Bowen, Gabriel J.; Fleet, James C.; Rosen, Arthur D.; Sands, Laura P.; Talavage, Thomas M.: Dietary protein intake and skeletal muscle adaptations in older humans. NIH – \$2,506,451
- Filley, Timothy R.: Responses of Soil Organic Matter in Northeastern Forests to Warming and Nitrogen Addition. Ohio State University – \$31,250

- Gilbert, Hersh J.: Supplement: Collaborative Research: Structure of the Nazca Slab and Sierras Pampeanas. NSF – \$19,530
- Gurney, Kevin R.: Charlotte Kendra Castillo 09/10 Faculty for the Future. Schlumberger Foundation – \$29,087
- Trapp, Robert J.: Collaborative Research: Multi-scale and Multi-platform Study of Tornadoes, Supercell Thunderstorms, and their Parent Environments in VORTEX2. NSF – \$6,033
- Trapp, Robert J.; Baldwin, Michael E.: Analysis and Trends of Hazardous Convective Weather from High-Resolution Dynamical Downscaling. NOAA – \$310,049
- Tung, Wen-wen: Multiscale diagnosis and modeling for the Madden-Julian Oscillation in the CMIP5 multimodel framework. U.S. DOE – \$752,072
- Pijanowski, Bryan C.; Hook, Tomas O.; Niyogi, Devdutta S.; Prokopy, Linda S.: Great Lakes Climate Change Action Network Discovery and Outreach (Great Lakes CCAN-DO): A Trans-disciplinary Decision Support Framework for Uncertai. U.S. Dept of Commerce – \$3,486,152
- Woodson, William R.; McCann, Maureen C.; Moon, Sidney M.; Riggs, Eric M.; Weaver, Gabriela C.: A Sustainable Energy Concepts Professional Dev. Model for Rural Schools & its Extension to a Systemic Approach for Integrating STEM Research & Edu. NSF – \$1,250,000

### Recent Awards (August 2009 – October 2009)

- Calais, Eric: CBTH project. University of Texas at Austin – \$10,000
- Flesch, Lucy M.; Calais, Eric; Cushman, John H.: CMG Research: The Application of Polar Field Theories to Large-Scale Continental Deformation. NSF – \$510,996
- Gibson, Kevin D.; Ridgway, Kenneth D.; Lewis, Dwight E.; Ravenold, Kerry N.; Smith, M.J.T.; Zollner, Patrick A.; Zurn-Birkhimer, Suzanne M.: Tecumseh Project: Purdue Program for Native Americans - A Proposal for a Partnership between Purdue University and the Sloan Foundation. Sloan, Alfred P. Foundation – \$84,831
- Gurney, Kevin R.: Charlotte Kendra Castillo 09/10 Faculty for the Future. Schlumberger Foundation – \$29,287
- Harbor, Jonathan M.; Bryan, Lynn A.: The Indiana Interdisciplinary GK-12: Bringing Authentic Problem Solving In Stem to Rural Middle Schools. NSF – \$74,202

Huber, Matthew: Collaborative Research: The Role of Deep-Ocean Circulation in Greenhouse Climates: Integrating Numerical Simulations with Proxy Data of Water Mass Com. NSF – \$55,663

Michalski, Greg M.: A New Regional Paleo-Precipitation Proxy: Oxygen Isotopes in Desert Nitrate. NSF – \$335,000

Michalski, Greg M.: Collaborative Research: Impacts of Urbanization on Nitrogen Biogeochemistry in Xeric Ecosystems. NSF – \$289,031

Michalski, Greg M.: Development of New Instrumentation: Laser Decomposition Isotope Interface (LADII)-Total Isotope Analysis of Nanomolar Amounts of Sulfate and Nitrate. NSF – \$83,171

Michalski, Greg M.: Using Oxygen Isotope to Constrain Ozone Sources and Sinks. NSF – \$202,918

Ridgway, Kenneth D.: Collaborative Research: Sedimentary Basin Response to Paleocene-Eocene Spreading Ridge Subduction in South-Central Alaska. NSF – \$130,044

Riggs, Eric M.: Sharing the Land: Fostering Further Success in Building Tribal Earth Science Expertise: TRACK 2. NSF – \$785,985

Riggs, Eric M.; Haghighi, Kamyar; Sadowski, Mary A.; Sahley, Christie L.; Staver, John R.: Purdue Robert Noyce Scholars: Excellence in Preparation of Rural High School STEM Teachers. NSF – \$149,047

Trapp, Robert J.: Collaborative Research: Multi-scale and Multi-platform Study of Tornadoes, Supercell Thunderstorms, and their Parent Environments in VORTEX2. NSF – \$6,033

Zhuang, Qianlai: Collaborative Research: Impacts of Climate Seasonality on Carbon Accumulation and Methane Emissions of Alaskan Ecosystems during the Holocene Thermal. NSF – \$202,918

## EAS TECHNOLOGY SUPPORT NEWS

### Welcome our new IT Assistants

We just hired two IT Assistants, Spencer Nassau and Daniel Kaczmark, to replace Kate's position and prepare for Dave's leaving at the end of semester. They are both Purdue undergraduate students. Spencer is from Computer and Information Technology and Daniel is from Computer Information Technology & Manufacturing Engineering, with a minor major in Computer Science. We are lucky to have both of them coming with technical backgrounds and work experience. Please join us to welcome them and support them.

## A NOTE FROM OUR ACADEMIC COUNSELOR Congress-Bundestag Youth Exchange for Young Professionals

CBYX is currently accepting applications from students and recent graduates who are interested in living, studying, and interning in Germany on a full year funded scholarship. CBYX is sponsored by the US and German governments for applicants (ages 18-24) in all career fields and does not require any German language knowledge. Applicants in business, technical, engineering, scientific, agricultural and vocational backgrounds are especially encouraged to apply. Application deadline is Tuesday, **December 1**, 2009 for program beginning in July 2009. For more information and to apply online, visit [www.CBYX.info](http://www.CBYX.info). Contact: [cbyx@cdsintl.org](mailto:cbyx@cdsintl.org) or (212) 497-3522.

### Spring Courses Registration Update

Seniors were able to add classes last week in myPurdue. Juniors: November 9-14; Sophomores: November 16-21; Freshmen: November 23-25 and again November 30-January 18. Registration is open to all beginning December 2 through January 18, 2010.

Nancy

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### HAPPY BIRTHDAY!!!

Tim Filley – November 10  
Jerry Krockover – November 12  
Ken Ridgway – November 12

