

The Summer Monthly News

June 7, 2010

TEACHING HONOR ROLL

Many of our faculty colleagues have made the department's [Teaching Honor Roll](#) for the 2010 Spring semester (based on student evaluation instructor ratings) as noted below. Congratulations!

Service Courses (=> 4.0)

| | | |
|---------------------|------------------|-----|
| Eric Riggs | EAS 100* | 4.5 |
| Jerry Krockover | EAS 102 (sec. 5) | 4.1 |
| Brenda Bowen | EAS 104 | 4.2 |
| Gabe Bowen | EAS 106* | 4.2 |
| Andy Freed | EAS 106* | 4.5 |
| William Zinsmeister | EAS 375 | 4.0 |

Undergraduate/Graduate Courses (=> 4.5)

| | | |
|---------------------|------------------------------|-----|
| Ernie Agee | EAS 117 | 4.6 |
| Yuch-Ning Shieh | EAS 244 | 4.6 |
| William Zinsmeister | EAS 319 | 4.5 |
| Darryl Granger | EAS 390 | 4.9 |
| Elizabeth McNie | EAS 391 (Carbon, Climate...) | 4.7 |
| Mike Baldwin | EAS 391 (Meteor. Internship) | 5.0 |
| Mike Baldwin | EAS 434 | 4.6 |
| Ken Ridgway | EAS 590 | 5.0 |
| John Cushman | EAS 591 (Polar Cont...) | 4.8 |
| Ken Ridgway | EAS 591* (Argentinean...) | 4.8 |
| Jay Melosh | EAS 591 (Frontiers...) | 4.8 |
| Gabe Bowen | EAS 591* (Biogeochem, Sem) | 4.8 |
| Tim Filley | EAS 591* (Biogeochem. Sem) | 4.8 |
| Phil Smith | EAS 591 (Extratropical...) | 4.5 |
| Qianlai Zhuang | EAS 591 (Modeling Ecosys...) | 5.0 |
| Eric Calais | EAS 591 (Kinematics...) | 5.0 |
| Terry West | EAS 591 (Adv. Engr. Geology) | 4.5 |

*Course was co-taught

The following TAs have made the [Teaching Honor Roll](#) for the 2010 Spring semester by achieving a score of 4.5 or higher as rated by their students. Congratulations!

| | | |
|-----------------------|------------------|-----|
| Nahyr Rovira-Figueroa | EAS 102 (sec. 2) | 4.6 |
| Bridget Miller | EAS 102 (sec. 4) | 4.6 |
| Erica Erlanger | EAS 111 (sec. 2) | 4.7 |
| Erica Erlanger | EAS 111 (sec. 3) | 4.7 |

| | | |
|-----------------------|-------------------|-----|
| Russell Balliet | EAS 111 (sec. 4) | 4.6 |
| Melissa McMullen | EAS 111 (sec. 8) | 4.6 |
| Patrick Brennan | EAS 111 (sec. 9) | 4.8 |
| Patrick Brennan | EAS 111 (sec. 10) | 4.7 |
| Laura Bennati Rassion | EAS 118 lab | 4.6 |
| Kimberly Hoogewind | EAS 230 (sec. 2) | 4.7 |
| Heather Houlton | EAS 312 (sec. 5) | 4.8 |
| Olivia Kellner | EAS 312 (sec. 6) | 4.9 |
| Dan Arthur | EAS 432 lab | 4.8 |

2010 EAS AWARDS BANQUET PHOTOS

The photos from the 2010 EAS Awards Banquet are now on our web site (<http://www.purdue.edu/eas/>) under News → Highlights OR click [here](#).

OUR RECENT PUBLICATIONS

Arthur, D. K., S. Lasher-Trapp, A. Abdel-Haleem, N. Klosterman, and D. S. Ebert, 2010: A New Three-Dimensional Visualization System for Combining Aircraft and Radar Data and Its Application to RICO Observations. *J. Atmos. and Ocean. Tech.*, 27, 811-828.

Bowen, Gabriel J. (2010) Isoscapes: Spatial Pattern in Isotopic Biogeochemistry. *Annu. Rev. Earth Planet. Sci.* 38:161–87.

Chen, W. P., M. Martin, T. L. Tseng, R. L. Nowack, S. H. Hung and B. S. Huang (2010) Shear-wave birefringence and current configuration of converging lithosphere under Tibet, *Earth and Planetary Science Letters*, 295, 297-304.

Lu, Xiaoliang and Qianlai Zhuang (2010), Evaluating climate impacts on carbon balance of the terrestrial ecosystems in the Midwest of the United States with a process-based ecosystem model, *Mitigation and Adaptation Strategies for Global Change*, 15, 5, 467-487, 10.1007/s11027-010-9228-z.

Sherwood, S.C. and M. Huber (2010) An adaptability limit to climate change due to heat stress, *PNAS*, doi: 10.1073/pnas.0913352107.

RECENT PRESENTATIONS

Paytsar Muradyan attended the European Geosciences Union (EGU) general assembly that was held in Vienna, Austria, from May 2-7, and gave an oral presentation titled, "Observations with the GISMOS Airborne Radio Occultation System."

Jeff Trapp gave an invited seminar entitled, "Exploring possible connections between local convective storms and anthropogenic climate change" on May 25 at the School of Earth, Atmospheric, and Environmental Sciences, University of Manchester, UK

Terry West attended the 31st Annual Indiana Water Resources Association Conference on May 26-28, 2010 held at Purdue University. He gave an oral presentation on a groundwater problem in Tippecanoe County entitled, "Bedrock High in Glacial Terrain Yields Groundwater and Construction Problems." Around 120 water resources professionals were in attendance at the conference.

GSA FELLOWS

Many, many congratulations to Ken Ridgway, Jim Ogg and John Cushman who have each recently been named a Fellow of the Geological Society of America. The department is extremely proud to have three of its senior faculty members recognized with this prestigious designation which is reserved for members who have made distinguished contributions to the geosciences.

All newly elected Fellows (and their nominators) will be announced formally in the July issue of *GSA Today* and will also be recognized at the Presidential Address at the GSA Annual Meeting in Denver, Saturday, 30 October.

EARTHSCOPE

From May 24 to May 27, EarthScope, an NSF-funded Large Instrumentation Facility, conducted a Transportable Array Siting Workshop in the Department of Earth and Atmospheric Sciences at Purdue. Professors and students from a number of universities attended in order to learn more about locating and permitting of new locations for USArray seismic stations. This workshop included several presentations about collecting, processing, and analyzing seismic data recorded by USArray including an overview presentation of recent USArray observations by Assistant Professor Hersh Gilbert.

The USArray is a seismic array of over 400 seismometers that is designed to better understand the evolution of the North American continent. The array began sampling the southwestern part of the United States in 2004 and has migrated to the north and east. The participants in this workshop will identify about 130 sites along a north-south swath that stretches from Michigan's Upper Peninsula and Wisconsin, through Illinois, western Kentucky, and western Tennessee, and continues southward to Mississippi and Alabama. EarthScope held the workshop at Purdue in order to take advantage of the USArray backbone station SFIN, which is located about 8 miles west of campus.

Along with staff from IRIS, the Incorporated Research Institutions in Seismology, from Washington D.C. the universities represented at the workshop included Michigan Technological University, University of Wisconsin-Madison, Northwestern University, University of Memphis, Millsaps College, Auburn University, and the University of Alabama.

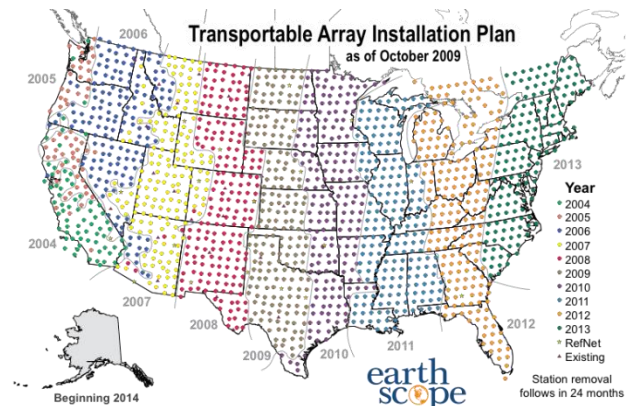


Figure 1: Map of USArray Transportable Array seismic station deployment and installation plan (http://www.usarray.org/files/images/maps/Install_plan_Oct2009-incl_date.jpg).



Figure 2: Workshop participants on Purdue campus practicing surveying techniques that will be used to site USArray station locations.

NEWLY RELEASED BOOK BY TERRY WEST

Terry West's textbook has been newly released by Waveland Press, Inc. and is available as a review copy for course adoptions. *Geology Applied to Engineering* is now available under a new format in a hard cover addition. Published initially in 1995 this new hard cover addition replaces the soft cover issue presented most recently by Prentice Hall Book Company

EAS TECHNOLOGY SUPPORT NEWS RCAC Community Cluster 2010

RCAC is now accepting orders for this year's community cluster, which ITaP's Rosen Center plans to build in July and put into production in August. The cluster will be called Rossmann for Michael Rossmann, Purdue's Hanley Distinguished Professor of Biological Sciences.

Additional information may be found at:

<http://www.rcac.purdue.edu/userinfo/resources/rossmann/>.

To see available hardware options and to order, visit: www.rcac.purdue.edu/order/.

(Prices will remain the same for six months.)

FALL "WELCOME" PICNIC AT HAPPY HOLLOW PARK

Tuesday, August 17
4:00-7:00p Shelter 4

Mark your calendar now!!!
The Boilermaker Special train will provide transportation to and from campus as well as offer rides at the Park!



BOILERCAST LECTURE CAPABILITIES IN CLASSROOMS

Any classroom that has an ITaP instructor computer is enabled to do BoilerCast audio-recording and video from the ITaP computer. Please note – there is a request form to be completed available in the [article](#).

There are six rooms which have the equipment that can also capture things like content from a laptop or document camera. These rooms are CL50 224, EE 129, WTHR 200, ME 161, LILY 1105, and LYNN 1136.

SUSTAINING NEW SYNERGIES INITIATIVE UPDATES

Included in this SNS update:

- Strategic Sourcing
- Compensation & Benefits
- Energy
- Information Technology
- Organizational Excellence (Administrative Review)

[Read more...](#)

PURDUE WL GEARS UP TO GO SMOKE-FREE JULY 1

Purdue's West Lafayette campus is taking another step toward creating a healthier environment by going smoke free except in limited areas beginning July 1. [Read more...](#)

OPERATOR SERVICES OFFICE ADJUSTING HOURS

The Purdue Operator Services Office will change its hours of operation effective June 21. It will be open 7:30 a.m. – 5:30 p.m. Monday-Friday and closed Saturdays, Sundays and all University holidays. [Read more...](#)

EAS LIBRARY'S NEWEST BOOKS

Click [here](#) to see a list of new books in the EAS library in the last four weeks.

JOB OPPORTUNITY

If you or someone you know may be interested in working with the US Department of Interior's Bureau of Indian Affairs as a Mining Engineer or Geologist then please view/pass on this information. There are two advertisements for one-position that will be filled from either the Public or Status Candidate as a Mining Engineer or Geologist. [Read more...](#)

POST DOC POSITION EARTH & ATMOSPHERIC SCIENCES CORNELL UNIVERSITY

The Northeast Regional Climate Center and the New York State Water Resources Institute in the Department of Earth and Atmospheric Sciences at Cornell University is inviting applications for a postdoctoral position to conduct analyses in the area of the energy-water nexus. [Read more...](#)

FUNDING OPPORTUNITIES

DoD Basic Research Challenge (BRC) Program
<http://www.grants.gov/search/search.do;jsessionid=GqP9Lhyc9QMTGJkBTgyQypWmLyQNGWqJgY8RW20IP2vKspK6XQhL!1936084288?oppld=53862&mode=VIEW> Deadlines: White Papers – June 3; Proposals – July 19. The Office of Naval Research (ONR) is interested in receiving proposals for the BRC Program, which supports basic science and/or engineering research within academia and industry. The program is focused on stimulating new, high-risk basic research projects.

NSF Earth Sciences: Instrumentation and Facilities (EAR/IF)
<http://www.nsf.gov/pubs/2010/nsf10561/nsf10561.htm>
Deadlines: July 19 (all proposal categories). The Instrumentation and Facilities Program in the Division of Earth Sciences (EAR/IF) supports meritorious requests for infrastructure that promotes research and education in areas supported by the Division.

ORISE FELLOWSHIP

An applied research project, administered by the Oak Ridge Institute for Science and Education, Department of Energy, is available at the Technical Support Center (TSC) of the Office of Water, Office of Ground Water and Drinking Water, U.S. Environmental Protection Agency, in Cincinnati, Ohio. [Read more...](#)

STUDENT PRESENTATION SCHOLARSHIPS POSSIBLE

The *2010 Chemical and Biological Science and Technology Conference - Accelerating Science for the Warfighter and Beyond* will be held in Orlando, Florida on November 15-19, 2010.

There are 30 scholarships available for graduate and undergraduate students giving presentations. Papers (abstracts) are due before July 18, 2010.

For more information, please go to http://cbdstconf2010.sainc.com/general_information/default.aspx.

A NOTE FROM OUR ACADEMIC COUNSELOR

Teaching Fellows

Two EAS alums are part of this year's Woodrow Wilson Teaching Fellows. They are **Dane H. Brown**, MS in EAS, 2009 and **Jenafer M. Wolf**, BS in Synoptic Meteorology and Atmospheric Chemistry, 2007. This program is to encourage exceptionally able candidates to seek long-term careers teaching science, technology, engineering and math (STEM) in high-need classrooms in rural schools in Indiana. Click [here](#) for the general release about all of the fellows. Congratulations to all!

Non-Submitted Grades

If there are any pending NS (not submitted) grades from Spring 2010, they will revert to Incomplete (I) grades on June 11.

Virtual Job Fair

Purdue students and alums are invited to attend the CCO's virtual career job fair **June 23-24**. You must be registered with an uploaded resume. <http://www.purdue.careereco.net>. Explore jobs, register to win a NANO, and chat live with recruiters at specific times. Companies will continue to register until the day of the event.

June Dates

June 14 – Module II Summer Session Begins

June 21 – First Day of Summer and STAR.

Nancy

HAPPY BIRTHDAY!!!

Hersh Gilbert – June 16

Jennifer Haase – June 18

Jay Melosh – June 23



Graduate Student International Travel Awards

Deadline: June 15, 2010

~ two or three awards ranging from \$600 to \$800
for international travel*~

Prerequisites:

- must be a full-time PhD student
- must be making an oral or poster presentation at an international conference

Priority will be given to:

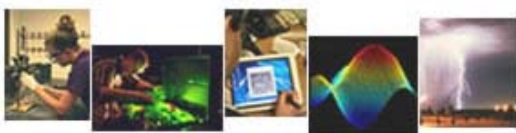
- travel to make an oral presentation at a conference
- attendance at an interdisciplinary conference
- students who have passed their prelims

To apply, please send electronically as one file**:

- CV (2 page limit)
- brief summary of research (1 page limit)
- brief statement of purpose for attending conference specifying whether your presentation is oral or poster
- provide web link to conference
- with a letter of support from research advisor as a separate electronic document

*for travel between August 1 2010 and December 31 2010

**send to dmize@purdue.edu



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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/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>.

