

August 4, 2008

UPCOMING MEETINGS / EVENTS

Tuesday, August 19

- Department Picnic, Happy Hollow Park (4 - 8 p.m.)

Thursday, August 21

- New Faculty Orientation, West Faculty Lounge, PMU (8:30 a.m. - 4 p.m.)

Monday, August 25

- EAS Primary Committee, CIVL 3201 (11:30 a.m.)

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

OUR RECENT PUBLICATIONS

Darmody, R., C. Thorn, M. Seppälä, S. Campbell, Y.K. Li, and J. Harbor, 2008: Age and weathering status of granite tors in Arctic Finland (~68 N.) *Geomorphology*, **94**, 10-23.

Li, Y.K., D. Fabel, A. Stroeven, and J. Harbor, 2008: Unraveling complex exposure-burial histories of bedrock surfaces under ice sheets by integrating cosmogenic nuclide concentrations with climate proxy records. *Geomorphology*, **99**, 139-149.

WORKSHOPS ATTENDED

Prof. Qianlai Zhuang co-chaired a breakout session on, "What are the key scientific questions and research goals related to quantifying anthropogenic emissions of CO₂, including fossil fuel emissions, emissions due to land cover and land use change (LCLUC), and other anthropogenic disturbances (e.g. man made fires) that can be addressed by an active CO₂ instrument?" This was held at the NASA Active Sensing of CO₂ Emissions over Nights, Days, and Seasons (ASCENDS) Workshop at the University of Michigan, Ann Arbor, Michigan, July 23-25.

On July 29, Terry West met in Bloomington, Indiana with the Executive Committee of ISMR, the Indiana Society of Mining and Reclamation, to plan the annual technical meeting to be held in December, 2008. Two workshops, followed by an all-day technical session, will be held December 1 and 2 in Jasper, Indiana. Typically about 200 coal mine specialists attend this conference. In the past, several EAS graduate students have also presented poster papers at this conference.

RECENT PRESENTATIONS

Angel Acosta-Colon gave a presentation entitled, "Effect of a Sub-porosity on Wave Propagation across a Fracture" at San Francisco 2008, the 42nd US Rock Mechanics Symposium and 2nd U.S.-Canada Rock Mechanics Symposium, held in San Francisco, June 29-July 2, 2008. His work also appears as a paper in the proceedings from this conference (paper number 08-330).

Prof. Cushman gave an invited lecture entitled, "Renormalizing the Chaotic Dynamics of Motile Particles in Fractal Porous Media" at the Sigma Phi 2008 Conference on Statistical Physics, Crete, Greece, held 14-18 July 2008.

Lucy Flesch gave an invited talk at the CIG meeting in Davis, California on July 11th entitled, "The role of mantle tractions and the crust."

Laura J. Pyrak-Nolte gave a presentation entitled, "Tracking fluid fronts in carbonate rocks" at ExxonMobil Upstream Research Corporation in Houston, Texas on July 17, 2008.

Laura J. Pyrak-Nolte gave an invited presentation at the 8th International Workshop on the Application of Geophysics to Rock Engineering, June 29, 2008, San Francisco U.S.A. The presentation included work by graduate students Weiwei Li and Christopher Petrovitch. The presentation was entitled, "The effect of fabric-controlled layering on compressional and shear wave propagation in carbonate rock" and appears in the proceedings from the workshop.

Jeff Trapp presented: "Climate statistics of convective precipitating storms from a telescoping modeling approach," at the 4th PAN-GCSS Meeting on Advances in Modeling and Observing Clouds and Convection, held June 2-6, 2008, in Toulouse, France.

Terry West gave a PowerPoint presentation on July 7 for the noon meeting of the Purdue University Retirees Association (PURA). The topic was "The Alaska Pipeline and Drilling in ANWR, the Arctic

National Wildlife Refuge". Approximately 50 people were in attendance at the monthly meeting held at the MCL Restaurant.

Prof. Qianlai Zhuang gave an invited talk entitled, "Modeling CO₂ and CH₄ emissions in the Arctic", to Northern Eurasia Earth Science Partnership Initiative (NEESPI) Science Team meeting in Helsinki, Finland, June 2-6.

AEG NEWS

Terry West met with the Executive Council (officers of the organization) of the Association of Environmental and Engineering Geologists (AEG) in Denver, Colorado on July 10-13, 2008. Subjects included: 1. selection of a new CPA to perform the annual audit and 2. selection of a new meeting manager to oversee the annual meeting and special meeting activities. Review of budget aspects for the Association and for the annual meeting in September in New Orleans were also accomplished.

ALYESKA PIPELINE PROJECT MEETING

Terry West visited Anchorage and Valdez, Alaska July 13-17 regarding the 800 mile long Alyeska Pipeline Project with its marine terminal located in Valdez. Involved was a follow up on the field study performed two years ago on rock slope stability for the terminal area. Two former graduate students worked with him that summer, Spencer Fairfax, M.S., and Kyu Ho Cho, Ph.D.

ITAP NEWS

Software updates for EAS Linux machines

In preparation for the upcoming semester, the EAS Technology Support staff have updated the software packages installed in /opt on EAS Linux machines. The packages are currently available for testing and will be installed on Thursday, August 14. See the table at <http://www.purdue.edu/eas/resources/it/updates/20080722-01.html> for more information. Users are encouraged to test the new builds and report any problems to eas-itap@purdue.edu.

Additionally, in order to better reflect the package name, the NCARG/NCL directory will be changed from /opt/ncarg to /opt/ncl on the date specified above. The software itself will not be updated, since we already have the most recent version installed.

Hypocenter updates and configuration changes

- Last year, the EAS Technology Support staff changed how file shares are advertised by hypocenter. All group shares map to

[http://hypocenter.eas.purdue.edu/group/\[groupname\]](http://hypocenter.eas.purdue.edu/group/[groupname])

(using 'group' in place of 'project-a', 'project-b', etc) and individual file spaces map to

[http://hypocenter.eas.purdue.edu/user/\[username\]](http://hypocenter.eas.purdue.edu/user/[username])

(using 'user' instead of 'eas-a', 'eas-b', etc).

During this time, both the old method and the new method have been available. As of 10 a.m. on Tuesday, August 5, the old method will no longer be available. Windows and Mac users who still use the old method will need to change to the new method. See <http://www.purdue.edu/eas/resources/it/updates/20080703-06.html> for a chart describing the conversion. If you have further questions, please e-mail eas-itap@purdue.edu.

- On Thursday, August 14, the following unused print queues will be removed from hypocenter: civl2270lbw1, civl2285lco1, civl4267test, color3, east3, geomorph, mainoffice, sonia, suite. Some of these queues are for printers that no longer exist and others are just alternate names for active printers. No currently active printers are being removed. If you have any questions, please contact eas-itap@purdue.edu.
- The EAS Technology Support staff will be performing routine security patching to hypocenter on Tuesday, August 19. From 6 a.m. until 8 a.m., all services provided by hypocenter will be unavailable. This includes file sharing and network printing.

Office 2007 upgrade scheduled

The OnePurdue Team has approved the use of Microsoft Office 2007 in conjunction with SAP and related tools. As a result, EAS Technology Support plans to upgrade departmental Windows machines from version 2003 to version 2007 this summer. Office 2007 provides a greatly changed interface, so ITaP is offering training classes for those who wish to familiarize themselves with the new version. If you are interested, we recommend you register at <http://www.itap.purdue.edu/training/courselisting.cfm?ID=120> as soon as possible.

EAS plans to update all Windows machines the morning of Tuesday, August 5. Anyone who wishes to receive the upgrade ahead of this date may do so

by sending a request (please include your computer name, e.g., 1397-EAS-001) to eas-itap@purdue.edu.

If you believe the planned August 5 upgrade date will cause significant difficulty in your area, please contact eas-itap@purdue.edu to determine if another date should be selected.

BP ACCEPTING APPLICATIONS

BP is interviewing on campus starting in early September. Applications for these interviews are due by **August 26th**.

Apply NOW for 2009 Internship or Full-Time Positions at BP

Application Portal: www.bp.com/uscollegcareers
Tutorial & Tips: www.bpthereandbeyond.com

We review applications as they are received and will be in touch to advise you of your status **within 10 business days**. Interview dates are in early September so the time to apply is now!



HAPPY BIRTHDAY!!!

Kevin Gurney – August 9
Lucy Flesch – August 12
Terry West – August 15



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/). 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 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>.

