

March 2, 2009

THE HEAD'S PERSPECTIVE

More on the 2009 EAS Grad Expo

Last week's Grad Expo was very successful! We received several very positive comments about the experience from our prospective graduate students who visited the department for the 2+ days. The talks and posters by our current graduate students were very professional and highlighted many of the research projects in the department. The photos below show some of the Expo participants during the poster session.



Thanks again to the EAS graduate students who made oral or poster presentations at the Expo, and to all students, staff and faculty who helped organize and participated in the Expo. Special thanks to Courtney Creamer for her leadership in organizing the event, and to Michelle Gutenkunst of Chevron and Jay Kalbas of ExxonMobil who participated in the Expo and spent time with our graduate students and the prospective students. We also appreciate the financial support for the event from Chevron, ExxonMobil and Shell.

UPCOMING MEETINGS

Monday, March 2

- Graduate Committee, CIVL 2201 (10:30 a.m.)
- EAS Faculty Meeting, CIVL 3201 (11:30 a.m.)

Wednesday, March 4

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

Friday, March 6

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

EAS SEMINAR

Thursday, March 5, at 3:30 p.m. in CIVL 1252:

"Historical Perspective of Single and Multiple Scattering of Atmospheric Radiation." Ping Yang, Texas A&M University

Refreshments at 3 p.m. in CIVL 2201

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

OUR RECENT PUBLICATIONS

Acosta-Colon, A., L. J. Pyrak-Nolte, and D. D. Nolte, 2009: Laboratory-scale study of field of view and the seismic interpretation of fracture specific stiffness. *Geophysical Prospecting*, **57**, 209-224.

Joekar Niasar, V., S. M. Hassanizadeh, L. J. Pyrak-Nolte, and C. Berentsen, 2009: Simulating drainage and imbibition experiments in a high-porosity micromodel using an unstructured pore network model. *Water Resource Research*, **45**, W02430, doi:10.1029/2007WR006641.

RECENT PRESENTATIONS

Prof. Laura Pyrak-Nolte gave an invited presentation entitled, "Fractures & Fracture Networks: Linking Hydraulic & Seismic Properties" at ExxonMobile Corporate Strategic Research in Annandale, New Jersey on February 19, 2009.

VISITORS TO THE ROCK PHYSICS GROUP

Dr. Niranjana Banik, a Principal Geophysicist Schlumberger-West Geco who graduated with a Ph.D. from Purdue University, visited Professor Pyrak-Nolte's Rock Physics Group (graduate students Angel Acosta-Colon, Christopher Petrovitch, Weiwei Li and Yihong Liu) and also spoke with Professors Maarten de Hoop and Robert Nowack on February 23, 2009.

Dr. Meigen Zhang is visiting the Rock Physics Group for six months. Dr. Zhang is from the Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing, China. He studies forward modelling and inversion of seismic wavefields in anisotropic media.

ISMR PLANNING BEGINS FOR THE NEXT INDIANA COAL MINING WORKSHOP

Terry West attended a quarterly planning session for the Indiana Society of Mining and Reclamation (ISMR) on Tuesday, February 24, in Jasonville, Indiana, at the Indiana Division of Reclamation Headquarters. Dr. West is a member of the Executive Committee for ISMR and is appointed as the University representative on the Committee by the Director of the Indiana Department of Natural Resources (IDNR). ISMR holds an annual mining workshop in December with evaluation and planning meetings held quarterly prior to that Workshop. Linda Sylvester, former M.S. graduate student, presented a poster paper at the Workshop in December, 2008.

CONGRATULATIONS!

D. Sarah Stamps won first prize in the Sigma Xi Graduate Student Poster Competition Physical Sciences category.

A NOTE FROM OUR ACADEMIC COUNSELOR 2009 Undergraduate Research and Poster Symposium

April 21, 2009, PMU Ballrooms. Showcase your research or find out how to get into research. All students are invited. Registration deadline: **March 27*** (Abstracts due at time of registration). To register and find out more, go online to www.science.purdue.edu/urps.

*March 20 if you want your abstract considered for an award.

How to Prepare an Effective Poster Presentation with Dr. Sonny Ramaswamy

How to Prepare an Effective Poster Presentation – Dr. Sonny Ramaswamy – presentation on creating an effective research poster for displaying undergraduate research. If you are planning to participate in the Purdue Undergraduate Poster Symposium, this presentation is very timely. It is Thursday, **March 5th**, 2009 from 4 p.m. – 5 pm in PFEN 241 (Dean's Auditorium).

Team Up & Boiler Up

This is a free workshop to learn about teambuilding and experiential education, how to apply it in this or many other team settings, and is a first step for those interested in working as a Boiler Challenge Facilitator (BCF); however, it is not required to take this workshop to become a BCF staff member. This will be held Friday and Saturday, March 27th and 28th (5 p.m. – 9 p.m. and 8 a.m. – 5 p.m. respectively). Contact Becky at rknepp@purdue.edu for registration by **March 20th**.

Nancy

HAPPY BIRTHDAY!!!

Barbara Cooper – March 8



TEACHING HONOR ROLL

Once again, many of our faculty colleagues have made the department's Teaching Honor Roll for the 2008 Fall semester (based on student evaluations; overall instructor rating) as noted below. Congratulations!

Service Courses (=> 4.0)

Larry Braile	EAS 100	4.2
Jerry Krockover	EAS 102 (two sections)	4.4
Jim Ogg	EAS 104	4.1
Andy Freed	EAS 106	4.7
Andy Freed	EAS 106H	5.0
Noah Diffenbaugh	EAS 106	4.0
Noah Diffenbaugh	EAS 106H	4.7
Tim Filley	EAS 109	4.2
Eric Riggs	EAS 111	4.3
Lucy Flesch	EAS 116	4.4
Ernie Agee	EAS 138	4.2
Jim Ogg	EAS 151	4.3
Phil Smith	EAS 225	4.3
William Zinsmeister	EAS 391	4.0

Undergraduate/Graduate Courses (=> 4.5)

Darryl Granger	EAS 391 (Earth Surface Processes)	4.5
Mike Baldwin	EAS 391 (Team Weather Forecasting)	5.0
Phil Smith	EAS 423 (Atmospheric Dynamics II)	4.7
Matt Huber	EAS 591 (Gr. Training Climate Model)	4.6
Jeff Trapp	EAS 591 (Mesoscale Conv Proc in Atmosphere)	5.0
Gabe Bowen	EAS 591* (Biogeochemistry)	5.0
Tim Filley	EAS 591* (Biogeochemistry)	5.0
Greg Michalski	EAS 591* (Biogeochemistry)	5.0
Brenda Beitler Bowen	EAS 591 (Geological Remote Sensing)	5.0
Eric Calais	EAS 591 (Kinetic Lithos Deformation)	5.0
Alex Gluhovsky	EAS 591 (Statistics of Extremes)	5.0
Kevin Gurney	EAS 591 (Advanced Topics in EAS)	5.0
Noah Diffenbaugh	EAS 591 (Topics in Climate Change)	4.6
Kevin Gurney	EAS 591 (Principles of Ecosystems Ecology)	4.9
Greg Michalski	EAS 591 (Stable Isotope Foren & Biogeochem)	4.7
Harshvardhan	EAS 630 (Remote Sensing)	4.7

*Course was co-taught

The following TAs have made the Teaching Honor Roll for 2008 Fall semester by achieving a score of 4.5 or higher as rated by their students. Congratulations!

Nahyr Rovira-Figueroa	EAS 102 lab 1
Nick Fischietto	EAS 102 lab 3
Loran Parker	EAS 102 lab 4
Aaron Goldner	EAS 109 labs 2 & 5
Nathan Hitchens	EAS 109 lab 3
Courtney Creamer	EAS 109 lab 6
John Witmer	EAS 111 lab 9
Christie Lindemann	EAS 312 labs 2 & 4
Heather Houlton	EAS 312 lab 6
Eric Robinson	EAS 431 lab
Jacob Carley	EAS 433 lab
Kelly Ross	EAS 535 lab

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>.

