

August 2, 2010

UPCOMING MEETINGS / EVENTS

Tuesday, August 17

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

Wednesday, August 18

- EAS Faculty Retreat, Holiday Inn Select (8 a.m.)

Monday, August 23

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

Monday, August 30

- EAS Faculty Meeting, CIVL 3201 (11:30 a.m.)

OUR RECENT PUBLICATIONS

Nowack, R.L., W.P. Chen, T.L. Tseng, 2010: Application of Gaussian beam migration to multi-scale imaging of the lithosphere beneath the Hi-CLIMB array in Tibet. *Bull. Seism. Soc. Am.*, **100**, 1743-1754.

Angel R. Torres-Valcarcel, PhD Candidate, authored an article in the newspaper, *El Nuevo Día*, entitled "Which Green Puerto Rico?" on July 17, 2010.

RECENT PRESENTATIONS

Wen-Yih Sun presented an invited paper, "Instability in Leapfrog and Forward-Backward Schemes" at *The 22nd International Conference on Parallel CFD 2010*, May 17-21, Kau-Hsing, Taiwan.

Wen-Yih Sun offered an intensive course "Computational Geofluid Dynamics and Modeling" at the Department of Atmospheric Sciences, National Central University, Taiwan, May-June of 2010.

Wen-Yih Sun (with K. Yang) presented an invited paper, "Numerical Simulation of Dust Storm in Asia" at the *Internal Seven Seas Workshop* at Chung-Li, Taiwan, June 15-18, 2010.

Gilbert Rochon recently gave a presentation on the topic, "Combining Heterogeneous Data for Improved Identification & Sustainable Mitigation of Infectious Disease Vector Habitat & for Assessment of Vulnerability to Vector-Borne Diseases" in Cairo at the US-Egypt Workshop on Space Technology & Geo-Information for Sustainable Development, June 14-17. His co-authors included EAS Post Doc, Souleymane Fall, as well as Larry Biehl (Purdue

Terrestrial Observatory) and grad students from ABE, Electrical Engineering & Civil Engineering.

Gilbert Rochon completed a month-long Fulbright Senior Specialist assignment at Mae Fah Luang University in Chiang Rai, Thailand, providing MultiSpec image analysis software training (June 28-29 & July 13-14) and giving a keynote address for the International Conference on Disaster Risks and Climate Change, July 10-12, 2010 on "Earth Observing Satellites for Environmental Monitoring & Assessment." His co-authors for both the training and keynote address included Larry Biehl, Souleymane Fall, EAS Post Doc, and Purdue Grad students from Civil Engineering, Electrical Engineering, ABE, Aero Astro, and Political Science.

Jim Ogg gave an invited talk to the Elderhostel Group meeting on campus. The talk on June 15 on "Oil -- How our dependence began" was a whirlwind tour from whale depletion to how flappers caused the first gasoline crisis to the politics driving America's development of Middle East fields.

On July 3-10, 2010, Prof. Qianlai Zhuang was invited to present a lecture to the International Conference and Early Career Scientists School on Environmental Observations, Modeling and Information Systems ENVIROMIS-2010, Tomsk, Russia. His lecture is entitled, "The Role of Climate Change and Human Activities in Changes of Land Cover and Land use and Greenhouse Gas Emissions in Northern Eurasia."

Sonia Lasher-Trapp gave an oral presentation at the National Centre for Atmospheric Science (NCAS) Atmospheric Science Conference held in Manchester, England on July 6 entitled, "Entrainment in Maritime vs. Continental Small Cumuli."

Mariya Petrenko attended a Junior Faculty Forum on Biomass Burning, held in Boulder, Colorado on July 13-15, 2010. She presented a talk entitled "Spatial and temporal resolution of satellite-based biomass burning emission inventories for the global aerosol model (GOCART)". The joint article summarizing the main highlights of the forum will be submitted to *BAMS*.

On July 23, 2010, Prof. Qianlai Zhuang presented a seminar entitled, "Uncertainty and Sensitivity Study of Terrestrial Ecosystem Model and Its Adjoint Form" at The MIT Joint Program on the Science and Policy of Global Change, MIT, Cambridge, MA.

Gilbert Rochon gave a presentation on Advances in Spatial Data Infrastructure, Acquisition, Analysis, Archiving & Dissemination at the IEEE International Geoscience & Remote Symposium (IGARSS) in Honolulu, Hawaii, July 25-30.

Julianne Bell, Brenda Beitler Bowen, Brigitte Martini. (2010). Spectroscopy of sulfates, clays, and iron oxides in the Jurassic Navajo Sandstone. 2010 IEEE International Geoscience and Remote Sensing Symposium, Honolulu, HI, July 25-30.

Jim Ogg ("Visiting Professor" at Nanjing Institute of Geology and Paleontology; Chinese Academy of Sciences, for one month): Invited presentation and three-hour workshop on "Earth History visualization - the *TimeScale Creator* system and datapacks" at International Symposium on Quantitative Stratigraphy and Paleobiology (Nanjing, China, 20-27 July 2010).

WINDIANA 2010 CONFERENCE

Terry West attended the WIndiana 2010 Conference in Indianapolis at the Convention Center on July 21 and 22, 2010. This third annual conference on wind power in Indiana was attended by several hundred participants with numerous vendors displaying their products and services. Lt. Governor Becky Skillman was the luncheon speaker on July 21. The conference concluded with an interesting field trip to the Meadow Lake Wind farm in Benton and White Counties, just to the north of Lafayette, hosted by Horizon Wind Energy Company. At this location, a total of 303 turbine towers are either in operation or are under construction in four phases of construction. Total cost is about \$1 billion and the completed wind farm will generate over 500 megawatts of power. This is enough to power about 150,000 average homes. Currently only 2% of the energy used in Indiana is provided by renewable resources (wind), with coal at 93% and natural gas at 4%. For Indiana to reach the objective of 20% renewable energy, proposed by some neighboring states, ten times more of this power source would be required. (That's a lot of windmills!)

EAS LIBRARY'S NEWEST BOOKS

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

EEGS INVITATION

The Environmental and Engineering Geophysical Society (EEGS) invites you to submit your proposal for a session(s) at the 24th Annual Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP) being held in historic Charleston, South Carolina, **April 10-14, 2011**. [Read more...](#)

HHMI POSTDOC EDUCATION OPPORTUNITY

A Howard Hughes Medical Institute Undergraduate Science Education Award to Purdue University is providing a limited number of positions for postdocs to gain scholarship and experience in teaching. The competition is open to postdocs with positions in the College of Agriculture, College of Science or College of Engineering. Applicants should have research and teaching interests in the life sciences. [Read more...](#)

JUST WALK IN 2010

Join friends, family and neighbors in a challenge to see who can record 660,000 steps by September 25, 2010 walking the number of steps required to walk from South Bend to Evansville. [Read more...](#)

BMV CARLOAD DAY – INDIANA STATE FAIR

Monday, August 16, is BMV Carload Day at the Indiana State Fair. Up to 10 people will be admitted to the fairgrounds for only \$15 for the entire group. The family friendly atmosphere, great food and endless activities will make for a special day. To get this special rate, all you have to do is print the coupon at myBMV.com. The coupon is accepted at all drive-in and walk gates.



FUNDING OPPORTUNITY

NOAA FY 2011 Climate Program Office <http://www.cpo.noaa.gov/opportunities>. Deadline: September 10. The NOAA Climate Program Office (CPO) supports research that is conducted in regions across the United States, at national and international scales, and globally. The CPO also provides strategic guidance and oversight for the agency's climate science and services programs. In this connection, the CPO is helping lead the development of a proposed NOAA Climate Service; details about the proposed Service can be found at (<http://www.noaa.gov/climate.html>).

TENURE-TRACK ASSISTANT PROFESSOR IN PETROLOGY

The Department of Geological Sciences at California State University, Northridge is seeking to fill a tenure-track appointment at the Assistant Professor rank in Petrology beginning in the academic year 2011-2012. [Read more...](#)

POSTDOCTORAL, RESEARCH AND VISITING RESEARCH SCIENTIST POSITIONS ATMOSPHERIC AND OCEANIC SCIENCES PRINCETON UNIVERSITY/GFDL

In collaboration with NOAA's Geophysical Fluid Dynamics Laboratory (GFDL), the Atmospheric and Oceanic Sciences Program at Princeton University solicits applications to its Postdoctoral Research and Visiting Scientist Program. [Read more...](#)

A NOTE FROM OUR ACADEMIC COUNSELOR EAS Summer Candidates

Congratulations to the following students:

Emily L. Cornett, Atmospheric Science

Drew T. Perry, Geology & Geophysics

Summer Commencement is Saturday, August 7, 2010 at 9:30 a.m. in the Elliott Hall of Music. A live webcast will be available here: [mms://video.dis.purdue.edu/graduation](https://video.dis.purdue.edu/graduation).

Nancy



HAPPY BIRTHDAY!!!

Kevin Gurney – August 9

Lucy Flesch – August 12

Terry West – August 15



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>.



EAS Department Picnic

**FAMILIES
WELCOME!**



August 17th

TUESDAY

4:00-7:00p

**Join the EAS faculty,
staff, and grad
students in welcoming
the new grad students
and kicking off the
new school year.**

**Catch a ride to and from the picnic on
the BOILERMAKER SPECIAL!!
Specific times and pick-up locations
will be announced
as the date gets closer**

Happy Hollow Park

**Shelter #4– follow road and go
across small wooden bridge to the
end of the road.**

***For more information email Dee
gillesp@purdue.edu***

**Catered meal
provided by Parret's**

**Bring your favorite
DESSERT to share!
Don't forget to bring
your Frisbees &
outdoor games!**

**(Please, no alcohol
per park regulations)**