

February 16, 2009

UPCOMING MEETINGS

Wednesday, February 18

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

Friday, February 20

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

Monday, February 23

- Graduate Committee, CIVL 2201 (10:30 a.m.)
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EAS SEMINAR

Thursday, February 19, at 3:30 p.m. in FRNY G124: "High Resolution Numerical Weather Prediction: From WRF to Global Cloud-Resolving Models." Joseph Klemp, National Center for Atmospheric Research

Refreshments at 3 p.m. in CIVL 2201

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

OUR RECENT PUBLICATIONS

Hollis, C. J., L. Handley, E. M. Crouch, H. E. G. Morgans, J. A. Baker, J. Creech, K. S. Collins, S. J. Gibbs, M. Huber, S. Schouten, J. C. Zachos, and R. D. Pancost, 2009: Tropical sea temperatures in the high-latitude South Pacific during the Eocene. *Geology*, **37**, 99–102; doi: 10.1130/G25200A.1.

Huber, M., 2009: Snakes tell torrid tale. *Nature*, **457**, 669-671.

Rao, G. S., B. Engel, D. Ebert, B. Fossum, M. Huber, C. Jafvert, S. Kumar, V. Merwade, D. Niyogi, L. Oliver, S. Prabhakar, G. Rochon, C. Song, and L. Zhao, 2009: A vision of cyberinfrastructure for end-to-end environmental explorations (C4E4). *J. Hydrologic Engrg.* **14** (1), 53-64.

RECENT PRESENTATIONS

The following presentations were made at the annual meeting of the Hoosier Association of Science Teachers in Indianapolis Indiana:

Gerald H. Krockover, Sally Louk, Loran Carleton Parker. Standards Based Integrated Science Instruction Inquiry Workshop for Teachers. February 4, 2009.

Gerald H. Krockover, Sally Louk, Bill Bayley. Standards Based Inquiry in the Middle Level Classroom. February 5, 2009.

Shepardson, D.P., D. Niyogi, S. Choi, U. Charusombat, T. Leuenberger, D. Burch, and M. Koschmann, 2009: Activities for Conceptualizing Climate and Climate Change. HASTI Annual Convention, Indianapolis, Indiana

CONGRATULATIONS!

Professor Dev Niyogi has been funded for an NSF CAREER Award. His funded proposal is titled, "CAREER: Assessing the Role of Land Surface Processes on the Climatic Changes in the Heavy Rain and Convection over the Indian Monsoon Region". This five-year grant will support important research related to the Indian Monsoon. The CAREER grant is also a very competitive and prestigious award from the NSF. Congratulations Dev!

NEW APPOINTMENT

Eric Calais has been appointed by the AGU president as the new Editor-in-Chief for Geophysical Research Letters.

NSF PANEL SERVICE

On February 9-11, Professor Qianlai Zhuang served on the NSF Graduate Research Fellowship Program panel in the field of Ecology in Washington DC. This is his 4th year serving on this panel.

WELCOME!

Zhongfang Liu joined the department on February 1 as a postdoc on the Isotope Networks Portal project. He has a PhD in physical geography from the Institute of Tibetan Plateau Research of the Chinese Academy of Sciences where he worked on understanding climatic factors controlling stable isotope variation in rain water, snow, and ice cores across the Tibetan Plateau. He will be working with Gabe Bowen's group and collaborators at Purdue on fusion of stable isotope data from monitoring networks with isotope-enabled GCM output and applications of stable water isotopes to understanding atmospheric moisture transport.

TRAVEL REMINDER

You **MUST** complete a Form 17 if you are going to be traveling. This is still needed even if your expenses are being covered by an outside source. There have been several trips where no Form 17 has been turned in and this is critical, especially if you are traveling to a country with a travel warning.

GRADUATE EXPOSITION AND RECRUITMENT WEEKEND

On Friday, February 20th through Saturday February 21st, prospective graduate students will be visiting Purdue's campus and our department. On Friday, there will be a social meet-and-greet on the second floor of the Lafayette Brewing Company beginning at 7:30 p.m. Please feel free to come, buy a drink, and meet some prospective grads. On Saturday the Graduate Research Expo will kick off at 8:30 a.m. in CIVL 1252 with oral presentations by our current EAS grads until 11 a.m. A poster session on the third floor will be followed by a third oral session. The events should wrap up around 2 p.m. Please attend to support your fellow graduate students and to meet prospective students! For more details, check out the expo website at www.purdue.edu/eas/expo.

AMBASSADORIAL SCHOLARSHIP

The Rotary International service club is offering an Ambassadorial Scholarship for the academic year 2010-2011 for a year of study abroad in countries that have active Rotary International programs. The scholarship pays up to \$25,000 and is open to undergraduate and graduate students alike.

To apply students must be a semester 4 or above at the present time and American citizens. The program is offered through the Lafayette Rotary Club where Terry West chairs the selection committee. Preference is given to, but not restricted to, students studying in a country whose language is other than English. If interested please contact Professor West at 494-3296 or trwest@purdue.edu for further information and an application packet.

A NOTE FROM OUR ACADEMIC COUNSELOR

National Weather Service Visit February 23

The NWS will be on campus on **February 23** for its annual recruitment event. The directors (MICs) of a number of the offices around the region will be present. This is an opportunity to learn how to obtain an internship and other important career related information. The presentation will be at 4

p.m. in **CIVL 2108**. Pizza, etc., follows the presentation in **CIVL 2201**.

Purdue Engineering Student Council Intern Expo

Monday, **March 2**, 2009. 9 a.m. – 4 p.m. Location: Purdue Union Ballrooms

Expo is PESC's (Purdue Engineering Student Council) Spring Job Fair held in the Purdue Memorial Union ballrooms. Expo is a smaller job fair than Industrial Roundtable with approximately 85 companies attending each year. Companies will be looking for interns, full-times, and co-ops from all engineering or related majors. The job fair will take place on a Monday with interviews following on Tuesday and Wednesday. A guidebook with company information and a table layout will be provided to the students before the job fair. An online search will also be open for students prior to the fair: <http://pesc.student-orgs.purdue.edu/>.

Resume Help

The CCO will host Resume Blitzes on Wednesday, February 18, and Thursday, February 19, from 9 a.m. to 4 p.m. in STEW 194. All students welcome.

FAFSA Deadline

To receive priority consideration for federal, state and university-controlled financial aid, all current and newly admitted Purdue students must file their Free Application for Federal Student Aid, or FAFSA, by **March 1**. The FAFSA can be filed online at <http://www.fafsa.ed.gov>, and students and parents should sign the form electronically with a personal identification number issued by the Department of Education.

NSF Summer Research

Precision Digital Geologic Mapping on the Maine Coast Using Traditional Field Methods, Sea-Kayaks, GPS, Total Stations, Aerial Imagery & GIS, May 23 – July 18, 2009. This is an eight-week research internship position in digital outcrop surface mapping, geologic interpretation, structural analysis, tectonic modeling, database construction and spatial analysis in GIS for junior-level undergraduates.

The NSF-REU Site program at the University of Southern Maine for summer 2010 is an opportunity for nine undergraduate students to learn precision digital survey techniques as applied to geologic mapping in coastal Maine while working on a research project for presentation at a professional meeting. Digital survey data and available aerial imagery will be compiled for database construction

and spatial analysis in a geographic information system (GIS) as a base for geologic interpretation, structural analysis and tectonic modeling. Results will be reported in student abstracts and posters at the Northeast Section Geological Society of America (NEGSA) meeting (spring 2010, Baltimore, Maryland). Students receive a stipend of \$2400 in addition to travel reimbursement and support to attend the NEGSA meeting to present their work and 6 credits for their field experience (*GEY360/GEO360 - Field Mapping in the Island Environment: Data Collection to GIS*). When not camping in the field, dormitory accommodations are provided at the USM's Gorham Campus. See the USM-REU website at <http://www.usm.maine.edu/gis/reu.html> for more information and an application form.

Eligibility - Application Procedure - Deadline

This program is designed for undergraduate students who have completed their junior year in a geoscience major, geography major with a geology minor, or other applicable degree program.

Background coursework in geology and/or geography, prior field experience and established GIS computer skills are highly recommended. Training is provided in all areas. Submit: 1) the completed application form; 2) a copy of your college transcript, and; 3) a letter of recommendation from your faculty mentor to: Dr. Mark Swanson, Department of Geosciences, University of Southern Maine, Gorham, ME 04038. Send questions to m.swanson@usm.maine.edu or call 207-780-5024. Completed applications for these positions must be in hand by Monday, March 23, 2009. Applicants will be notified via e-mail by Friday, March 27, 2009.

Facebook Forum

For students who are on Facebook, check out the page: "Purdue College of Science -- Student Forum."

Nancy

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>.





NWS College Road Tour



FEBRUARY 23rd, 2009
4:00 PM Civil Engineering Building, Room 2108

Personnel from regional National Weather Service offices will be here to talk about:

- **Student Opportunities in the National Weather Service**
- **How to Make Your Resume Shine**
- **How to Prepare for an Interview**
- **Case Studies**
- **Weather Jeopardy!**
- **AND MORE!**

Dress appropriately- you could meet your future employer!

All meteorology students are strongly encouraged to attend this event. Whether you know you want to work for the National Weather Service or you are just interested in learning more about careers in meteorology, this will be an evening of opportunity, weather, and fun!

Following the presentations, we will move to Room 2201 for free pizza and subs, and an opportunity for students to visit and network with these professionals!

