

January 10, 2011

THE HEAD'S PERSPECTIVE

Happy New Year!

Welcome back to campus for the Spring 2011 semester, and Happy New Year to EAS students, staff, faculty and alumni! I hope that you had a happy holiday season and semester break and that the new semester and new year will be exciting, productive and enjoyable for you. The year 2010 was a record breaking year for EAS in many ways, and so it is exciting to imagine what we will achieve in 2011!

Later this month a large number of EAS faculty and students will be attending the American Meteorological Society annual meeting in Seattle. EAS will be hosting an alumni and friends reception at the AMS meeting from 6:30 to 8:30pm on Tuesday, January 25. The reception will be in the Greenwood Room of the Seattle Sheraton Hotel. This is one of several alumni, student and faculty events we hold each year in association with professional conferences – other upcoming events include the Association of American Geographers meeting in Seattle in April, the Society of Exploration Geophysicists meeting in San Antonio in September, the Geological Society of America meeting in Minneapolis in October, and the American Geophysical Union meeting in San Francisco in December. These are great opportunities to network, learn and renew friendships, so I hope you can attend at least one of these events.

The first part of the spring semester is an important period for the recruitment of new graduate and undergraduate students. Potential new students will be visiting the department as part of their process of deciding which university is the best fit for their interests and career aspirations. If you are asked to meet with potential new students, please take some time to help them learn about what EAS has to offer and the possibilities here. We are very excited about the group of students who have expressed an interest in EAS and their potential to enhance and benefit from what EAS has to offer.

Finally, please be sure to highlight the EAS weekly seminar on your calendar (Thursdays, 3pm reception in CIVL 2201, 3:30pm lecture). This is a great opportunity to meet your EAS colleagues and fellow students, to learn more about the cutting edge of many different areas of EAS research, and to meet with outside experts. Some of the speakers this semester will be candidates in our current search for an additional faculty member in planetary sciences, so this is a great opportunity to help select and recruit an exceptional new member of our community.

UPCOMING MEETINGS

Thursday, January 13

- EAS Leadership Committee, CIVL 2201 (9 a.m.)
-

OUR RECENT PUBLICATIONS

Herold, N., M. Huber, D.R. Greenwood, R.D. Müller, and M. Seton, 2011: Early to Middle Miocene monsoon climate in Australia. *Geology*, **39**, 3-6.
[DOI: 10.1130/G31208.1](https://doi.org/10.1130/G31208.1) / [PDF](#)

Story, S., B.B. Bowen, K.C. Benison, and D.G. Schulze, 2010: Authigenic phyllosilicates in modern acid saline lake sediments and implications for Mars. *Journal of Geophysical Research - Planets*, **115**, E12012, doi:10.1020/2010JE003687.

RECENT PRESENTATIONS

Jennifer Haase gave an invited lecture at University of Illinois at Urbana-Champaign entitled, "The Use of Airborne GPS Radio Occultation to Investigate Tropical Cyclone Development" on December 8.

Sonia Lasher-Trapp attended the ICE-T field campaign steering committee meeting on 5-6 January at the National Center for Atmospheric Research in Boulder, Colorado, and made a presentation entitled, "Lessons Learned from RICO."

Several of our faculty and students presented at the AGU Fall Meeting 13-17 December. Click [here](#) to see the list of presentations.

EAS ALUMNUS NAMED FELLOW OF THE AGU



James W. Hurrell (MS '86; PhD '90) was named Fellow of the AGU "For his excellence in research, outreach, and educational activities; his leadership; and his rich service record." Hurrell was honored at the American Geophysical Union Fall Meeting held in San Francisco 13-17 December 2010. In 2004, he was also named the Earth and Atmospheric Sciences Outstanding Alumnus, and the College of Science Distinguished Alumnus in 2006. Dayton Vincent was Hurrell's advisor.

TRAVEL

Mileage Rate Change for Travel on or after January 1, 2011

Effective for travel on or after January 1, 2011, the privately owned vehicle mileage rate will change from 50 cents per mile to 51 cents per mile. Visit: <http://www.purdue.edu/travel/Transportation/Car/privatecar.html#currentrate>.

As always, this mileage rate is subject to the 'Drive Vs Fly' policy found at: <http://www.purdue.edu/travel/Transportation/Car/privatecar.html#drivevsfly>.

Mileage Rate for State Travel

The mileage rate for employees traveling on Sponsored Program Grant funds from the State of Indiana will continue to be paid at 40 cents per mile. Visit: <http://www.purdue.edu/travel/Transportation/statefundedtravel.html#mileage>.

2011 CUTTING EDGE WORKSHOP SERIES

On the Cutting Edge, a professional development program for current and future geoscience faculty, is sponsored by the National Association for Geoscience Teachers and supported by grants from the CCLI program of the Division of Undergraduate Education of the National Science Foundation.

For information on the workshops click [here](#).

FROM OUR EAS LIBRARY

Newest Books

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

Spring 2011 Reserve Materials

The EAS Library would like to put all the books that you will need for courses being taught this semester on Reserve. In the past, the only courses that we put books on reserve for were 300 level classes and above but we are now putting 100 and 200 level classes on reserve as well. **The course textbooks are automatically put on reserve.** Please let me know as soon as possible if there are any other books that you would like for me to put on reserve. The new form online that you can use is at: <http://www.lib.purdue.edu/eas/coursereserve.html>. Please fill out as much information as possible and submit. If you have any questions feel free to call Terry Wade at 4-3264 or stop in at the EAS Library.

2011 GRADUATE STUDENT RESEARCH AWARDS COMPETITION

Call for Nominations

The Purdue University Chapter of Sigma Xi, the scientific research society, is conducting a **Graduate Student Research Awards Competition** in the format of a scientific poster session with a first prize of **\$200**, provided by Sigma Xi and The Graduate School. [Read more...](#)

A NOTE FROM OUR ACADEMIC COUNSELOR Spring Schedules

Monday, **January 17** – Martin Luther King, Jr. Day – No Classes.

ADD

You can ADD in myPurdue now through **January 17**; you can find your current PIN in myPurdue, Academic Tab, Registration Tools. From **January 18 - February 7** you need advisor and instructor signatures and paperwork to add.

DROP

You can DROP a class with no signatures from now through **January 24**. From **January 25 - February 7** you need my signature and to submit the completed form to Room 45 Hovde. From **February 8 - March 21** you need paperwork, my signature, and the instructor's if myPurdue lists you as a sophomore or above.

Interns for Indiana 2011

Interns for Indiana and Interns for Entrepreneurs applications will be available soon. Student and company applications will be accepted **February 7 - March 13**, 2011. See <http://discoverypark.itap.purdue.edu/learningcenter/ifi/>.

RESEARCH

Summer Research in Geoscience and Engineering (SURGE)

SURGE provides undergraduate scholars (from Stanford and other U.S. institutions) with a mentored research experience in a Stanford research group or laboratory. This fully funded (transportation, housing, meals, stipend), eight-week, summer residential program combines a rigorous research assignment with a comprehensive training and mentoring program which focuses on preparing students for graduate school, and therefore targets rising undergraduate juniors and seniors with a minimum GPA of a 3.00. American citizens, U.S. permanent residents, or international students enrolled in U.S. undergraduate institutions are

eligible to apply. The application is now available **and will close February 1, 2011**. Visit their website to learn more about the 6 research areas and their commitment to diversity: <http://oma.stanford.edu/surge.html>.

Butler Undergraduate Research

The Butler University Undergraduate Research Conference at Butler University is on **April 15, 2011**. Submission deadline is Friday, **February 18, 2011**. <http://www.butler.edu/undergrad-research-conference/>. This conference invites presentations of undergraduate research across a broad spectrum of disciplines, and students who submit an abstract will need to indicate the discipline most appropriate for their presentation: Earth and Environmental Sciences.

Student Presenters will need to know the following:

- Your email and mailing address
- If you have co-presenters and you are the first or primary investigator, you'll need the names and email addresses of your co-presenters
- The name and email address of your faculty sponsor
- Your preference for presentation format (Paper or Poster Session) and what, if any, video/audio equipment you need (VCR, slide projection, PC Presenter-PowerPoint)
- The title of your presentation and a brief (250 word maximum) abstract of your presentation
- Registration payment information. You will have the option of credit card, personal check or cash. Also, if your university is paying your registration, you'll be able to indicate that as well. Please check with your faculty sponsor or department chair to find out.

The conference organizers ask that you not submit an abstract unless you are certain that you are available to attend the conference on Friday, April 15, 2011. **Registration Fee:** The \$40.00 registration fee includes a URC 2011 T-shirt, lunch, and a continental breakfast.

2011 University of Evansville, Math, Engineering, & Science Undergraduate Research Conference (MESCON)

The University of Evansville is holding the Math, Engineering, and Science Conference (MESCON) on Saturday, **March 26, 2011**. Undergraduate students in science, math, and engineering (including computer science) are invited to present the results of their research at the seventh annual MESCON at the University of Evansville. See <http://csserver.evansville.edu/mescon/> for further information.

Prizes: Over \$1,000 in prize money to be awarded for best papers/presentations and for best poster.

Registration Fee: \$20.00 Includes a continental breakfast, lunch, and a copy of the publication of proceedings.

Important Dates:

Abstract Deadline: January 28, 2011

Acceptance Notification: February 11, 2011

Paper Deadline: March 4, 2011

Conference: March 26, 2011

For questions or more information contact: Dr. Cris Hochwender. Email: ch81@evansville.edu. Telephone: 812-488-2005. To submit abstracts and papers go the Conference Management Site and follow the links. For various reasons, login usernames from 2010 were not retained, so everyone will need to create a new account before submitting an abstract. The system is set up to receive abstract submissions first. Every paper must have its abstract submitted first. Once the abstract has been approved, then the system will allow a paper to upload. You will receive email from the Conference Director when your abstract has been approved.

2011 Summer Research Experience for Undergrads (C2B2/NSF REU)

The Colorado Center for Biorefining and Biofuels (C2B2) is a cooperative research and educational center devoted to the conversion of biomass to fuels and other products, is part of the Colorado Renewable Energy Collaboratory, and is supported by state, institutional, and industry funds. C2B2's partner institutions include:

- University of Colorado (CU)
- Colorado State University (CSU)
- Colorado School of Mines (CSM)
- National Renewable Energy Laboratory (NREL)

Financial Provisions:

- \$4300 Stipend
- \$550 Travel Allowance
- \$1,900 Housing/Food Allowance

Eligibility Information:

- Students from all academic fields, interested in researching bioenergy.
- Applications from underrepresented students are strongly encouraged.
- U.S. citizens, permanent residents, and international students are eligible to receive funding.

- Undergraduate applicants must be enrolled in a degree-seeking program at the time of participation.

Visit http://c2b2web.org/7JobsUnd_REU.php for application requirements. **Completed applications must be received as of February 20, 2011 at 11:59 PM.** Questions? E-mail C2B2@colorado.edu <<mailto:C2B2@colorado.edu>> or call 303.735.2503.

Nancy

HAPPY BIRTHDAY!!!
Matt Huber – January 10



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/info_tech/index.php.

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>.





AMS Annual Meeting, Seattle
PURDUE UNIVERSITY

EAS ALUMNI, STUDENTS and FRIENDS RECEPTION

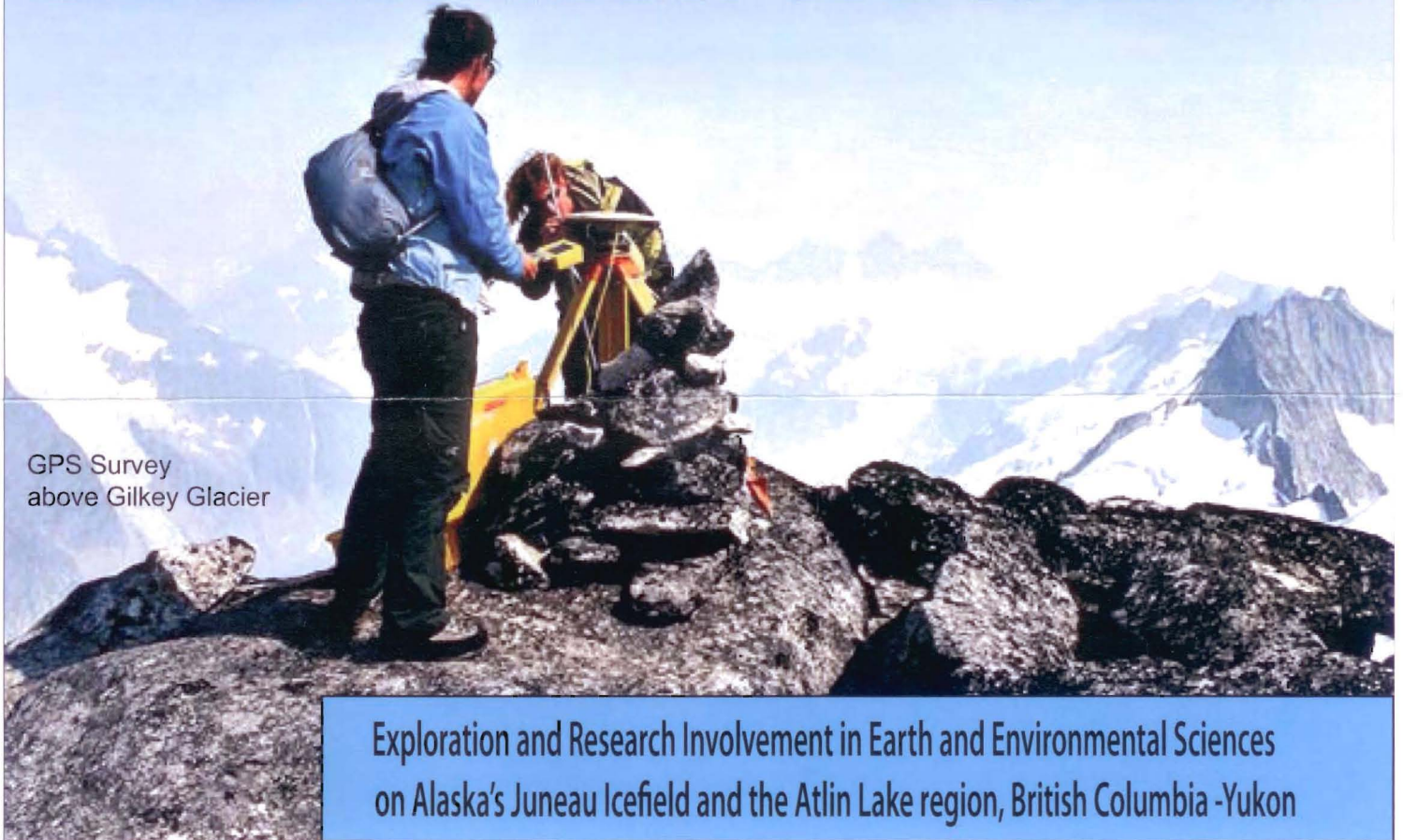
Tuesday, January 25, 2011
Seattle Sheraton, 1400 6th Avenue
Greenwood Room
6:30-8:30pm



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ALASKAN GEOSCIENCES EXPEDITIONARY EXPERIENCE



GPS Survey
above Gilkey Glacier

Exploration and Research Involvement in Earth and Environmental Sciences
on Alaska's Juneau Icefield and the Atlin Lake region, British Columbia-Yukon

The program emphasizes field work in Earth Systems Science- the total systems inter-relationship of field geology, environmental geography, alpine geomorphology, ecology, geophysics, glaciology, glaciohydrology, remote sensing, meteorology, and surveying. Participants take part in an intensive Summer Arctic Expeditionary Program on the Juneau Icefield, the fifth largest icefield in the Western Hemisphere and one of the most spectacular. The program is held in cooperation with NASA and in partnership with the Juneau Icefield Research Program, the Foundation for Glacier and Environmental Research, and the University of Alaska Southeast. (Transferable as 3-9 academic credits)

Scholarships: Partial to full scholarships are available for early applicants. Undergraduates and some graduate students will be in the field continuously from June 23-August 18. The full regular fee is \$4800 for room, board, and field logistic costs. Some travel grants may be arranged.

How to Apply:

Application forms:
www.juneauicefield.com
fger.jirp@gmail.com
office: (208)-301-3860
field: (907)-209-2787
Juneau Icefield
Research Program
(JIRP)
4616 25th Ave. NE
Suite 302
Seattle, WA
98105

