

September 13, 2010

UPCOMING MEETINGS

Monday, September 13

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

Wednesday, September 15

- Executive Committee, CIVL 2201 (2 p.m.)

Monday, September 20

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

EAS SEMINAR

Thursday, September 16, at 3:30 p.m. in PHYS 223: "The Chicxulub Structure: What an Impact!" *Discovery Lecture*, Dr. Gail Christeson, University of Texas at Austin

Refreshments at 3 p.m. in CIVL 2201

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

RECENT PRESENTATIONS

D. Sarah Stamps traveled across Uganda, Madagascar, and Tanzania this summer for nine weeks observing 50+ geodetic points with GPS to better understand the underlying physics of continental rifting in East Africa. In Tanzania, graduate students Elifuraha Saria and Haylee Dickinson joined the GPS campaign. Stamps gave five presentations during the 2010 field campaigns: 1) Soroti Secondary School, Uganda on "Earth Structure, Plate Tectonics, and the East African Rift", 2) Olita High School, Uganda on "Earth Structure, Plate Tectonics, and the East African Rift", 3) Sakaraha Town Hall, Madagascar on "Earthquakes and Plate Tectonics of Madagascar", 4) The University of Antananarivo, Madagascar on "Is Madagascar Breaking Apart?", and 5) two lectures at Karatu Secondary School, Tanzania in collaboration with Ngailo Elly on "Earth Structure, Plate Tectonics, Geodesy, and the East African Rift."

On August 26 Gabe Bowen gave a public lecture as part of the "Science on Tap" series. The informal talk entitled, "I know what you did last summer: How chemistry records the history of people and products" drew an audience of approximately 100, who enjoyed science, local beer, and food (the latter sponsored by the EAS department). The talk was recorded by staff from the NanoHub project and will be made available online in the near future. The

lecture series continues on September 23 with a talk on the science of aging - for those of you who haven't checked it out it's a great way to catch up on science research at Purdue in an informal setting.

On September 8, Gabe Bowen gave a lecture titled "H and O isotopes of heterotroph tissues as ecological indicators" at the annual meeting of the British Ecological Society in Leeds, England.

Eric Riggs attended the 6th International Geoscience Education conference of the International Geoscience Education Organization at the University of Witwatersrand in Johannesburg, South Africa held 30 August – 3 September. The conference theme was "Geoscience Education – Developing the World". Purdue EAS research was presented in three talks:

E.M. Riggs, R.N. Balliet, and C. Lieder, "Using Navigation, Interviews, and Notes to Gain Insight into Undergraduate Geologists' Problem Solving in the Field"

J.S. Herrera and E.M. Riggs, "Student Learning and Understanding of Sequence Stratigraphic Principles"

E.M. Riggs, S.J. Unsworth, and E.I. Robbins, "Sharing the Land – Field-Based Education for Indigenous People in the United States"

MEETING OF THE INDIANA GEOLOGISTS

Terry West attended the monthly meeting of the Indiana Geologists held in southwest Indianapolis on September 8, 2010 along with Dr Yinghui Sui, recent Ph.D. graduate of EAS. The speaker at the meeting was Bruce Stephens, Director of Mine Reclamation, Division of Reclamation, of the Indiana Department of Natural Resources. The topic of his talk was Surface Water Reclamation for the South Fork of the Patoka River, an area of active coal strip mining and coal processing in past years. Acid mine drainage from unreclaimed mine lands prior to the 1957 federal reclamation law, was a major contamination problem in southwest Indiana.

EAS COURSES

EAS courses being offered in Spring 2011 are due to Virginia by **Friday, September 17th**.

NEW PEOPLE IN EAS

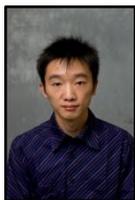
Wensheng Ge Visiting Scholar



Wensheng Ge is a visiting scholar from the School of Earth Sciences and Resources at China University of Geoscience (Beijing). He is working with Prof. Greg Michalski on an NSF/NSFC

supported project aimed at understanding the biogeochemical origin and the development of nitrate mineral deposits in the Turpan-Hami region, the worlds driest place, in western China. Wensheng Ge is an associate professor of Geology at China University of Geoscience (Beijing), where he received his Ph.D. in Mineral Deposit Geology in 2001. His research interests primarily lie in regional metallogenesis, mineral deposit geochemistry, stable isotope geochemistry and global nitrogen cycling in recent years.

Zhangcai Qin Graduate Student



Zhangcai Qin received his Baccalaureate degree from China Agricultural University and Master's degree from the Institute of Atmospheric Physics of the Chinese Academy of Sciences. He is working with Prof. Zhuang on his Ph.D. His

research focus is on studying C and N cycling of agricultural ecosystems under the changing environment by developing agricultural ecosystem and biogeochemical models.

EAS LIBRARY'S NEWEST BOOKS

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

A LITTLE PREVENTION CAN AVOID A LOT OF MISERY

Beginning October 11, seasonal flu shot appointments will be available on the West Lafayette campus. The Centers for Disease Control advise that everyone six months of age and older should get a flu vaccine each year. Read more at [UNS](#) and [WorkLife](#).



2010 GSA ANNUAL MEETING

Form 17s need to be turned in ASAP for anyone who will be requesting prepaid airfare, lodging or registration. Please contact Michelle Miller at mille262@purdue.edu or 40036 if you need any assistance with this.



2010 Annual Meeting:

Reaching New Peaks in Geoscience

31 Oct.–3 Nov. • Denver, Colorado, USA

Register Today

- [Book Your Hotel](#)
- [Browse Topical Sessions](#) | [Field Trips](#) | [Short Courses](#)
- [Events & Programs](#)

Exhibitors

- Booths are **SOLD OUT** - [Wait list is available](#)
- [View Live Floor Plan](#)

Event Planners

- [Event Planning Guide](#)
- [Space Request Form](#)

EAS TECHNOLOGY SUPPORT NEWS

Purdue Network 2010 Upgrade for CIVL

On Thursday, September 16; Friday, September 17; Wednesday, September 22; Thursday, September 23; and Friday, September 24 from 3:00 a.m. to 6:59 a.m. each day, the IT Networks & Security Data Team will be upgrading a portion of the BoilerNet network to meet the new Purdue Network 2010 standard. Specifically the network will be upgraded in the Civil Engineering Building (CIVL).

Affected Clients: Clients within CIVL should plan to experience disruption of both wired network connectivity (via data PIC) and wireless network connectivity (via PAL/PAL2.0).

Scope of Work: During the scheduled outage window, affected clients should plan to experience service disruptions for up to two hours in duration.

If you have any concerns or questions about this scheduled work please email us with your concerns and we will be happy to address them (eas-itap@purdue.edu).

FACULTY AND STAFF AWARDS FOR 2010-11

It is time to begin the nomination and selection of Faculty and Staff Awards for 2010-11.

[Click here](#) to see the criteria for the faculty and staff awards. Key points to remember:

- Your department will decide how many awards to give (subject to the 10% constraint; see end of document for numbers)
- What awards to give (you could give two undergrad advising and no grad student mentoring awards in this cycle)
- Who should receive the awards and
- Your department will pay for the awards

The lunch is scheduled for Wednesday, February 23, 2011, in the Purdue Memorial Union South Ballroom.

Please send Angie Teel (teel@purdue.edu) the names of the awardees and the award they will receive by November 19th.

WXCHALLENGE WEATHER FORECAST CONTEST

Purdue will enter a team in the WxChallenge weather forecasting contest again this year for the 5th year in a row. The contest begins its initial session of the 2010-11 season on Monday, Sept 27. As usual, forecasters will predict the weather Mon-Thu for a location that changes every two weeks, beginning with Brownsville, Texas. All are welcome to test their prediction skills against other students and seasoned forecast veterans from universities and research institutions across North America.

If you are interested in participating, or have any questions, please contact Prof. Baldwin (baldwin@purdue.edu) by 5pm Thursday, Sept 23. For more information, check the wxchallenge.com website. Good luck!



FACULTY POSITION

The Department of Earth and Environmental Sciences at Furman University, a private liberal arts undergraduate institution, invites applications for a tenure-track position at the Assistant Professor level in Sustainability Science beginning in August 2011. [Read more...](#)

FUNDING OPPORTUNITIES AND RESEARCH PROPOSAL WORKSHOP

DOD-ONR Young Investigators Program (YIP)

The Office of Naval Research (ONR) is interested in receiving proposals for its Young Investigator Program (YIP). ONR's Young Investigator Program (YIP) seeks to identify and support academic scientists and engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointment and for FY2011, have begun their first appointment on or after 01 November 2005, and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of Institutions of Higher to the Department of the Navy's research program, to support their research, and to encourage their teaching and research careers. Agency deadline: December 22.

NSF Discovery Research K-12 (DR K-12)

<http://www.nsf.gov/pubs/2010/nsf10610/nsf10610.htm>. The Discovery Research K-12 (DR K-12) program seeks to enable significant advances in student and teacher learning of the STEM disciplines. Projects funded under this solicitation begin with a research question or hypothesis about how to improve preK-12 STEM learning and teaching and then develop, implement, and study effects of innovative educational resources, models, or technologies. Agency deadlines: November 5, 2010 – LOI; January 6, 2011 – Proposal.

September 28 Workshop: "OVPR Research Development Services and SPS Pre-Award Services Workshop" 11:30 a.m.-1:00 p.m., lunch provided, Stewart 218. Register at <http://www.purdue.edu/research/vpr/global/events/events.php?id=635¢er=26>.

PGSG TRAVEL GRANT

The aim of the Purdue Graduate Student Government (PGSG) Travel Grant is to assist Purdue University graduate students with part of their travel expenses when traveling to technical conferences to present their research, which in turn will help to develop graduate students professionally and augment the overall quality of research at Purdue. Grants are distributed among graduate students on a competitive basis.

This round, students who travel between Sept 1, 2010 and Feb 28, 2011 to present their research at a conference are eligible for travel grants. Applications are due October 7th, 2010, at 5 p.m. NO EXCEPTIONS.

For more information, visit <http://web.ics.purdue.edu/~pgsg/projects/travel-grants/>

EXXONMOBIL INTERVIEWS

September 21-22

ExxonMobil will be on campus **September 21-22** to interview M.S. and Ph.D. students who are interested in petroleum geoscience-related careers in areas associated with: Exploration, Production, Geophysics Specialties, and Research. They will be interviewing students for both regular employment and internships. See posted flyer for additional details.

Please submit an application, your resume and copies of your transcripts online at (www.exxonmobil.com/apply) one week prior to interviewing. To sign up for an interview time, please see Kathy Kincade in CIVL 2169D.

In addition, Lisa Roehl, Recruiter for ExxonMobil, will also present an overview on Monday, September 20 at 5 p.m. in CIVL 2201. All interested faculty and students are invited to attend.

CHEVRON INTERVIEWS

September 30-October 1

On September 30-October 1, Janet Yun and Cathy Thibault will be in the department interviewing M.S. and Ph.D. students interested in an Earth Science career with Chevron. If you are interested in an interview, send your Resume/CV and unofficial undergraduate and graduate transcripts to JanetYun@Chevron.com by **Friday, September 17**.

In addition, on Wednesday, September 29th at 5 p.m. in CIVL 2201, Janet and Cathy will present an Earth Science Careers Information Session. All interested students are invited to attend. After the presentation, Chevron will take the students out for dinner.

AMS BOARD OF PRIVATE SECTOR METEOROLOGY'S STUDENT MENTORSHIP PROGRAM

The AMS Board for Private Sector Meteorologists has designed this mentorship program to create and foster one-on-one personal interactions between mentors employed in the private sector and students interested in working in the private sector. The program is tailored to the needs of each individual to enhance their understanding of opportunities and professional growth potential in the private sector of the weather and climate professional enterprise. [Read more...](#)

A NOTE FROM OUR ACADEMIC COUNSELOR

The Winston Churchill Scholarship

At least fourteen Churchill Scholarships are offered annually. The Scholarship is tenable for nine, ten or twelve months, depending on the academic program. Due Date: **October 1, 2010**. <http://winstonchurchillfoundation.org/index.php?hide=0>

The Churchill Scholarship is worth between \$42,000 and \$48,000, depending on the exchange rate. It covers all University and College tuition and fees (currently about \$25,000). In addition, Churchill Scholars receive a living allowance of £10,000 if enrolled in a nine-month academic program, £11,000 if enrolled in a ten-month academic program, and £12,000 if enrolled in a full-year academic program. They receive an allowance of up to \$1,000 for travel to and from the United Kingdom, as well as reimbursement of application fees for a UK visa. The Foundation also offers the possibility of a Special Research Grant of up to \$2,000; this grant may cover travel for presentations at international conferences, short stays at another university or institute for special research, and other activities. Married students should consult with the Foundation about additional support.

Eligibility

An applicant for the Churchill Scholarship must be a citizen of the United States, either native born or naturalized, and must be a senior who is enrolled in one of the institutions participating in the Scholarship Program or a student who has recently graduated from one of those institutions. Upon taking up the Churchill Scholarship, a Churchill Scholar must be between the ages of 19 and 26, must hold a bachelor's degree or an equivalent, and may not have attained a doctorate.

Criteria for Selection

Exceptional academic talent and outstanding achievement, especially in the major, as indicated by course grades. The Foundation does not require a minimum GPA, but recent Churchill Scholars have had a GPA of at least 3.7 and usually have 3.9 or above.

A capacity to contribute to the advancement of knowledge in the sciences, engineering, or mathematics by pursuing original, creative work at an advanced level as demonstrated by awards, prizes, research, and letters of recommendation. Applicants in the sciences and engineering will demonstrate extensive laboratory experience, internships, or other related work, while applicants in mathematics will show substantial independent work or other projects.

The Winston Churchill Foundation of the United States is committed to a policy against discrimination based on sex, sexual orientation, gender, marital or parental status, race, color, religion, national origin, or disability or any other characteristic protected by law.

Indiana Legislative Internships

September 20, PMU Room 118, 5:30-7:00 p.m. Attend a meet and greet to learn about Legislative internships offered for the Spring 2011 semester at the Indiana Statehouse. Interact with the Internship coordinators and interns and enjoy free food. Business casual is recommended but not required. Application Deadline: October 31st

Latino Heritage Month

Purdue University's Latino Cultural Center will celebrate the annual Latino Heritage Month from **September 15 through October 12** with several events; you can find this listing and other information here: <http://www.purdue.edu/lcc/>.

International Internships

AIESEC is an international non-profit organization and also the world's largest student-driven organization that strives for cultural understanding through international exchange leadership experiences and global internships. There are paid internships in 107 countries available for students and graduates. Learn more about AIESEC at <http://web.ics.purdue.edu/~aiesec/>.

Nancy

HAPPY BIRTHDAY!!!

Eric Calais – September 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>.



Purdue University
Graduate School
Thesis/Dissertation Office

THESIS FORMATTING & DEPOSIT WORKSHOPS
Fall 2010

strongly encouraged for

- **Master's & Ph.D.** candidates, planning to graduate in December 2010 or Spring 2011
- Interested faculty & staff



WHERE & WHEN:

Thursday, 23 September 2010, 9 a.m. & 1 p.m.
at Stewart Center, Room 214
(both sessions are identical)

Topics:

- Important Copyright Issues
- Printing/Binding Your Thesis
- Administrative Requirements for Graduation
- Thesis Formatting Requirements
- Electronic Thesis Deposit (ETD) Procedures

Candidates are strongly encouraged to bring draft copies of their theses for reference and spot-checking. Please allow 2 hours for the workshop.

Due to LIMITED seating and to ensure sufficient availability of handouts, **candidates must register at the following web page:**

https://ias.itap.purdue.edu/rgs/wgb_workshop.disp_online_workshop

QUESTIONS?

Mark Jaeger, Manager, Thesis/Dissertation Office / 765-494-2600 / markj@purdue.edu

Anita Park, Assistant, Thesis/Dissertation Office/ 765-494-2600 / apark@purdue.edu



ILLINOIS-INDIANA SECTION OF THE AIPG Invites you to a Bus Field Trip to Chicagoland

**Geology and the Making of a Metropolis
Guided by Michael J. Chrzastowski, Ph.D., P.G.
Coastal Geologist with the IL State Geological Survey**

**on Saturday, September 25, 2010
8:00 am to 5:30 pm**

Departs from the NIU's extension campus in Hoffman Estates, IL

This full-day field trip traverses a major part of northern Chicagoland along the Lake Michigan shore from Illinois Beach State Park to Navy Pier and Chicago Harbor. Participants will learn about the geologic setting of the area and its influence on Chicagoland's growth and development; some of the geo-engineering challenges; grand scale development projects; and construction of one of the engineering wonders of the nineteenth century.

Field Trip Cost including Transportation, Lunch, Snacks, Guide Book: \$65.00

**RSVP by September 20th: Call (815) 395-1221 or Email
r.cornea@comcast.net**

**To hold your spot, please mail a Check payable to AIPG IL-IN Section
at 5704 Inverness Drive, Rockford, Illinois 61107**



NASA'S HDF AND HDF-EOS Workshop XIV

Please join us for a 3-day workshop, in the home city of the HDF Group for a unique opportunity to work with the developers and maintainers of the HDF formats.

The theme of the Workshop is "Improving workflows that use HDF and HDF-EOS data". The goal of this workshop is to provide a venue for vendors, tool developers, and users of satellite observations of the Earth to address the critically important issue of easy access to and usage of NASA HDF and HDF-EOS data. Users will learn new ways to access HDF and HDF-EOS data via state-of-the-art tools. Vendors and tool developers will demonstrate their tools and learn about users' needs.

The workshop will held be at
Hawthorn Suites by Wyndham Hotel,
Champaign, IL, USA
September 28-30, 2010

For more information about the agenda and registration, see
http://www.hdfeos.org/workshops/ws14/workshop_fourteen.php .

The registration is open. There is no fee for registration. You can register online at:
http://www.regonline.com/hdf_workshop_xiv. The pre-registration cut-off date is
September 21st.

For any questions, contact eoshelp@hdfgroup.org

-- The Workshop Program Committee

Satellite Data Format Workshop

Improving Workflows that use HDF and HDF-EOS Data

Please join us for a 3-day workshop in the home city of The HDF Group for a unique opportunity to work with the developers and maintainers of the HDF formats.

This year's workshop will provide a venue for vendors, tool developers, and users of satellite observations of the Earth to address the critically important issue of easy access to and usage of NASA HDF and HDF-EOS data.

Champaign, Illinois, USA

September 28–30, 2010

Agenda & registration: <http://www.hdfeos.org>

Pre-registration cut-off date is September 21st



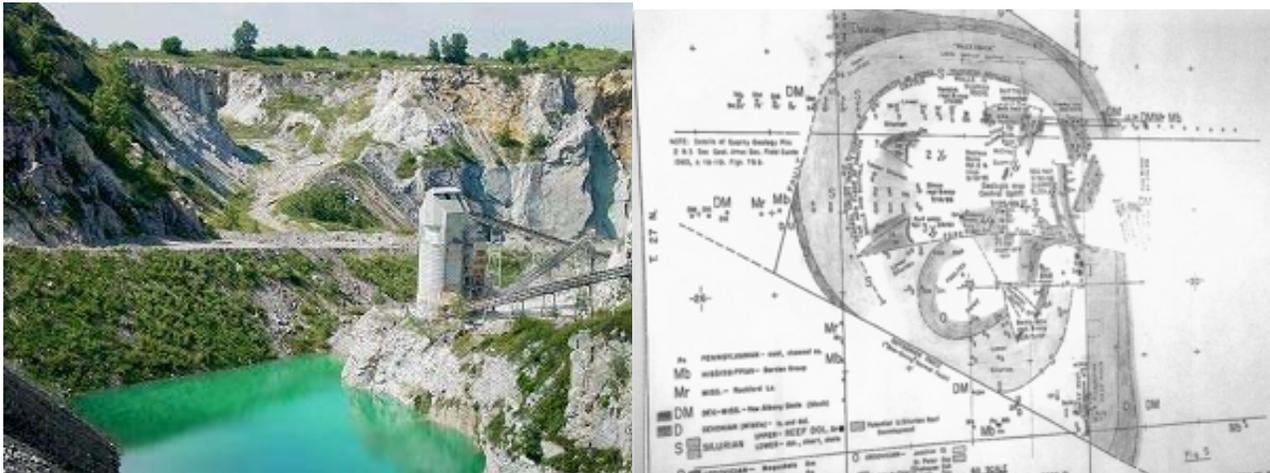
The HDF Group

11th Annual PGI All Universities Roaming Fall Field Trip The Kentland Impact Structure, Newton County, Indiana

Hosted by:
Professional Geologists of Indiana

Saturday, October 9, 2010
9:30 a.m. - 4:30 p.m.
Registration begins at 9:00 a.m.

Professional Geologists of Indiana (PGI) welcome all Indiana geology students, faculty and practicing geologists (18 years and older) to the Newton County Stone Quarry directly east of Kentland, Indiana for this year's field trip.



SCHEDULE:

Meet at parking lot of Newton County Stone - 235 East US Highway 24 Kentland, IN 47951

- 9:00 a.m. Trip Registration*
- 9:30 a.m. Tour of surface operations at Newton Co. Stone
- 10:00 a.m. Tour of quarry
- 12:00 noon Lunch at Newton Co. Stone (until 1 pm)
- 1:00 p.m. Depart for Stop 2 at Benton Co. Gravel (near intersection of U.S. 52 and U.S. 41)
- 2:30 p.m. Field trip ends

*On-site registration is possible if absolutely necessary; however, lunch cannot be guaranteed. Please RSVP soon as there is only space available for the first 50 respondents.

PARKING: Park in parking lot at quarry (on south side of U.S. 24).

CHARGE FOR ATTENDANCE: \$10 per person (includes box lunch and soft drinks/water). Please bring hard hats, steel-toed (safety-toed) boots and safety glasses. Liability release waivers will be provided by both PGI and the quarry.

TRANSPORTATION: The field trip sites have limited parking space available and car-pooling is encouraged.

DIRECTIONS: Take Interstate I-65 to Exit #201 and follow U.S. Highway 24 east through the towns of Remington and Goodland to the quarry (approximately 13 miles).

DEADLINE FOR REGISTRATION: Tuesday, October 5, 2010. Please make checks payable to Professional Geologists of Indiana (PGI). For additional information, please contact Kevin Burns, PGI Field Trip Chair at kburns@croworld.com, Matt Dagon, PGI, at matthew.dagon@stantec.com, or Kevin Strunk, PGI, kstrunk@indy.net.

REGISTRATION: Checks can be made payable to Professional Geologists of Indiana (\$10/person). Please send registration information via email to Matt Dagon at matthew.dagon@stantec.com or via fax to 317-876-8382.

If more than one person is registering, please list all names and identify a contact person.

Name(s): _____

Contact Address: _____

Contact Phone: _____

Contact E-mail: _____

Regular Box Lunch: YES _____ NO _____

Vegetarian Box Lunch: YES _____ NO _____

(Please indicate number of each if more than one person is registering)
