

November 4, 2013

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EAPS SEMINARS

Monday, November 4, ATMS Seminar
Room HAMP 2201, 3:30-4:30 pm

Thursday, November 7, 3:30 pm, HAMP 1252
Dr. Brent Goehring, Purdue University
"Relict Cosmogenic Nuclides as a Means to Interpret
Holocene Glacier Dynamics"

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## EAPS PUBLICATIONS

**Zhang, M.**, Lai, Y., Dong, Y., Jin, L., Pei, W., and **Harbor, J.**,  
2013, Laboratory investigation of the heat transfer  
characteristics of a two-phase closed thermosyphon.  
*Cold Regions Science and Technology* 95, p.67-73.  
<http://dx.doi.org/10.1016/j.coldregions.2013.08.006>

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EAPS PRESENTATIONS

Professor Gerald H. Krockover, "Implementing Problem
Based Learning (PBL) as a Vehicle for STEM Based
Education," October 24 and 26, 2013, Lawton Public
Schools, Lawton, Oklahoma.

Professors James Ogg and Gabi Ogg, "TimeScale Creator
Workshop" (4 hours) -- 46th Annual Palynology Meeting
(N. Amer. Micropaleontology Society; Canadian
Association of Palynologists; American Assoc.
Stratigraphic Palynology); San Francisco, 20-24z
October 2013.

Rachel Gipe, Professor James Ogg and Angela Coe,
"Magnetostratigraphy of the Callovian (upper Middle
Jurassic) and calibration of the Pacific M-sequence of
magnetic anomalies" 125th Annual Meeting of
Geological Society of America; 27-30 October 2013.

EAPS NEWS

IT HELPDESK REQUEST PROCESS

Starting November 1st, all of Science will be using one
helpdesk system and phone line (49-44488) for all IT related
issues. Science is doing this to streamline the process, and
to track and answer your requests.

You can all start using sciencehelp@purdue.edu for IT
requests, OR you can continue to use the email addresses
you are familiar with as they will be rerouted into the new
system.

Our helpdesk phone line is also going live November 1st
(49-44488). This number will ring on multiple IT desks
throughout the college's buildings to ensure that you reach a
real person to get assistance to you as soon as
possible. There will be a team of personnel monitoring the
helpdesk system (phone and email) M-F from 8:00am
through 5:00pm to route the requests to the appropriate
area for resolution.

POSTDOCS AND GRADUATE STUDENTS

RCR WORKSHOP-AUTHORSHIP & PUBLICATION

On **November 7**, from 12:00-1:30pm in LWSN 1142, the
Graduate School will present a RCR workshop entitled
Authorship & Publication. This RCR workshop is one of the
three required for all EAPS graduate students. Registration
is required. To register, please go to
<http://www.gradschool.purdue.edu/RCR/>

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### PURDUE PERMAFROST CONFERENCE

On behalf of the organizing committee, the School of Civil  
Engineering would like to invite you to attend the one-day  
workshop "Cold Regions Engineering: The 50th Anniversary  
of the Purdue Permafrost Conference (1963-2013) and  
Remembrance of C. W. Lovell" on **Friday, November 15,  
2013**. The event will take place at the Bowen Laboratory,  
Purdue University, Room 1003. Space is limited. Please  
register for the Conference, transportation, and lunch before  
**November 11, 2013 at 3:00pm** by contacting Cathy Ralston  
([catherin@purdue.edu](mailto:catherin@purdue.edu), phone: 765-494-5025, fax: 765-494-  
0395). More details on the workshop can be found at:  
[https://engineering.purdue.edu/CE/Academics/Groups/Geot  
echnical/Details/seminar/Lovell](https://engineering.purdue.edu/CE/Academics/Groups/Geotechnical/Details/seminar/Lovell)

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**NATIONAL PHYSICAL SCIENCE CONSORTIUM
Graduate Fellowship in the Physical Sciences**

The National Physical Science Consortium (NPSC) is a unique partnership of industry, government and higher education. NPSC helps its partners to recruit, identify, select, and support outstanding U.S. doctoral students. The Fellowship Program of the National Physical Science Consortium (NPSC) is again open for receipt of applications.

NPSC offers two programs.

1. The Traditional NPSC Program provides a two-phase, six-year fellowship. Initial support is for two or three years, depending on the employer-sponsor. If the student makes satisfactory progress and continues to meet the conditions of the award, support may continue for a total of up to six years. Students typically apply while seniors in college.
2. The Dissertation Support Program provides support while the graduate student conducts dissertation research. Students should apply in the year prior to the beginning of their dissertation research program, but not until they can describe their research at least in general terms.

To learn more and to apply online, go to www.npsc.org. The deadline for the online application is **November 30, 2013**.

**UNDERGRADUATE AND GRADUATE
STUDENT INFORMATION**

**2014 SUMMER TERM INTERNSHIP/
FELLOWSHIP OPPORTUNITIES**

The Office of Science / Office of Workforce Development for Teachers and Scientists (WDTS) is pleased to announce that it is accepting applications to its 2014 Summer Term internship/fellowship opportunities at Department of Energy (DOE) Laboratories. These competitive, paid internships, are for 10 weeks during the Summer Term (May to August timeframe), and include support for travel and housing.

The three programs accepting applications are:

- Science Undergraduate Laboratory Internship (SULI). More information about SULI and access to the online application can be found at <http://science.energy.gov/wdts/suli/>
- Community College Internships (CCI) More information about CCI and access to the online application can be found at <http://science.energy.gov/wdts/cci/>
- Visiting Faculty Program (VFP). More information about the VFP and access to the online application can be found at <http://science.energy.gov/wdts/vfp/>

Applications for these three programs must be completed and submitted online **by 5:00 PM ET on January 10, 2014** (including all required application materials and recommendations).

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**DEPARTMENT OF ENERGY SCHOLARS PROGRAM**

The Department of Energy (DOE) Scholars Program is now accepting applications for Summer 2014. The DOE Scholars Program offers unique opportunities that introduce students or post-graduates to the agency's mission and operations. Participants in the DOE Scholars Program gain a competitive edge as they apply their education, talent and skills in a variety of scientific research settings within the DOE complex. Being selected as a DOE Scholar offers the following benefits:

- Career possibilities with the nation's leading sponsor for scientific research
- Opportunities to learn from top scientists and subject matter experts
- Stipends of up to \$650 per week (depending on academic status)
- Travel arrangements to and from appointment site

Applicants must be US Citizens and undergraduates, graduates or post-graduates of an accredited college or university. The program is open to majors in: Engineering; Physical Sciences; Environmental Sciences; Computer Science and Information Technology; Physics; Business; Policy; Program Management; Mathematics; Statistics; Safety and Health; Accounting and Finance; Law; Communications; and other related areas. For application information and questions contact: Leslie Fox, Project Manager, (865) 241-3319 or [Leslie.Fox@orau.org](mailto:Leslie.Fox@orau.org).

**Want to learn more about the DOE Scholars program?**  
E-mail [doescholars@orise.orau.gov](mailto:doescholars@orise.orau.gov) or visit <http://orise.orau.gov/doescholars>.

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**CAMPUS NEWS**

**BLACKBOARD VISTA FILES SHOULD BE MOVED AS  
SHUTDOWN DATE APPROACHES**

With Blackboard Vista scheduled to be discontinued at the end of this year, faculty members who still need to retrieve course content or student data from the old course management system should do so as soon as possible. ITaP educational technologists are available to help with the process.

All course content and material in Vista on all of Purdue's campuses will no longer be accessible with the Dec. 31 shutdown. Faculty members who have content on Vista that they want to keep should download their files. Step-by-step instructions for downloading content or student data from Vista are available on this Web page: <http://www.itap.purdue.edu/training/materials/list.cfm?TopicID=271>.

Instructors who would like assistance downloading files from Vista are encouraged to schedule an appointment with an ITaP educational technologist before Nov. 27. Call 765-496-3257 or send an email to [tit consulting@purdue.edu](mailto:tit consulting@purdue.edu) to schedule an office visit.

Questions or concerns regarding the Vista shutdown can be emailed to [itap@purdue.edu](mailto:itap@purdue.edu).

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COMMUNITY ACTIVITY RECOGNITION AWARDS

Greater Lafayette Commerce is seeking nominations of students who provide extraordinary community service for the Community Activity Recognition Awards. Faculty and staff members are encouraged to nominate students and student organizations for the awards. Interested faculty and staff may nominate up to three students or an organization from their school or department and provide examples of their community service in Greater Lafayette. Both Purdue and Ivy Tech students are eligible for nomination.

Nominations should include the names and email address for student nominees and one student contact for student organization nominees. **Nominations are due by Nov. 6** and should be sent to Sara Yelich at syelich@greaterlafayettecommerce.com with the subject line "CAR Nomination."

Greater Lafayette Commerce will email participation forms to each nominee requesting more information about their involvement in the community, academic accomplishments and plans for the future. Recipients of the award will be honored during a ceremony during a Purdue women's basketball game.

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### PURDUE'S NEW CONTE SUPERCOMPUTER, NOW OPEN TO CAMPUS RESEARCHERS

Purdue's new Conte cluster is now ready for use by campus researchers. With 77,520 processing cores, including Intel's Xeon Phi accelerator technology, Conte is by far the most powerful Purdue research supercomputer yet. More information:

[www.itap.purdue.edu/newsroom/news/131028\\_communityclusters\\_conteorders.html](http://www.itap.purdue.edu/newsroom/news/131028_communityclusters_conteorders.html). Email questions to: [rcac-cluster-purchase@lists.purdue.edu](mailto:rcac-cluster-purchase@lists.purdue.edu).

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### A Note from Our Academic Counselor

#### In Memoriam

O'Shea P. McCarthy passed away Oct. 23, 2013 in Oak Lawn, IL. Shea was an EAPS Environmental Geoscience major. In addition to science, he loved art and music and designed the graphics that will be used for the EAPS rock display sign in front of the Pharmacy building and for the rock display wall wrap for our building. Shea was devoted to this project. The complete obituary is [here](#).

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MA 16100 for Spring 2014

The Math department has shared the following announcement of a new MA 16100 configuration for Spring, 2014. The traditional **MWF Lecture with TTh Recitation** will continue to be offered in conjunction with the new configuration listed below:

The class will meet **T** (for 75 minutes) and **WF REC** (50 minutes). These sections will have access to an online database of lectures that are tagged and clipped to about 3-5 minutes each and align one-to-one with the homework, quizzes and exams. Students will be able to search by topic or by section of the textbook. The 75 minute session (N = 100) will consist of students working in groups of 4 under the guidance of a faculty member, 3 TAs, and undergraduate assistants throughout the semester on activities that represent the "big ideas" of Calculus I. The homework and exams will be the same as the traditional lecture.

Let me know if you have questions.

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### Undergraduate Discovery Learning Research Center (DLRC) Internships

#### DLRC internship opportunities:

The Discovery Learning Research Center offers several internship opportunities for undergraduate students. These programs are open to full-time students working toward their first Baccalaureate degree. All majors are welcome. Internships in these programs may be applied as credit toward the Certificate in Entrepreneurship and Innovation.

#### Program Sessions offered and Requirements:

Interns for Indiana (IfI) matches qualified students with Indiana high-tech start-up companies.

Part-time academic semester (125-150 hrs minimum), Full-time summer (400 hours minimum).

Juniors and seniors. Minimum 2.8 GPA. Attend class Thursdays @ 4:30 pm (academic year) or lunchtime seminar series (summer).

Interns for Entrepreneurship (IfE) program matches qualified students with high-tech start-up companies in Northeast Ohio. Full-time summer (400 hours minimum), juniors and seniors, minimum 2.8 GPA, attend seminar series, able to relocate to Ohio for summer.

Discovery Park Undergraduate Research Internship (DURI) involves Purdue undergraduates in the interdisciplinary research environment of Discovery Park. Provides opportunities for students to work with Discovery Park faculty on cutting edge research projects that involve two or more disciplines.

Part-time academic semester (125-150 hrs minimum), full-time summer (400 hours minimum),

Sophomores, juniors and seniors. Minimum 3.0 GPA. Attend class Thursdays @ 4:30 pm (academic year only) or lunchtime seminar series (summer).

Cancer Prevention Internship Program (CPIP) for Undergraduate students engages in cutting edge research combining two or more disciplinary strengths in cancer prevention research. One year commitment beginning with full-time summer, then part-time during following fall and spring

Sophomores, juniors and seniors. Minimum 3.0 GPA. Attend class Thursdays @ 4:30 pm (academic year only) or lunchtime seminar.

Timeline:

- **Summer internships– applications and interviews February-March**
- **Fall internships– applications and interviews February-June**
- **Spring internships – applications and interviews October - November**

Callouts are held several times a year. Please check the DLRC website for upcoming callouts and exact application dates.

[www.purdue.edu/dp/learningcenter/student\\_programs](http://www.purdue.edu/dp/learningcenter/student_programs)

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Research Experience for Undergraduates in Ecology & Environmental Science at Miami University

General Information:

Miami University's Summer 2013 REU Program in Ecology and Environmental Science focuses on "The Ecology of Human-Dominated Landscapes." The program is funded by a grant received from The National Science Foundation and by Miami University.

Twelve undergraduate students will be selected to conduct individual research projects with faculty mentors. The program's research will involve faculty from the Departments of Botany, **Geology**, Geography, Mathematics & Statistics, Microbiology, Zoology and the School of Interdisciplinary Studies.

Eligibility:

To be eligible, students must be enrolled in any U.S. undergraduate college or university and must be a United States citizen or permanent resident. Students must have taken introductory courses in biology or the environmental sciences. A course in ecology is recommended but not required. Women and minority students are encouraged to apply. Miami University is an Equal Opportunity Employer.

Program Dates:

Each student will conduct research over a 10-week period between May 30 and August 9, 2013.

Stipend & Travel Expenses:

All students will receive a \$5000 stipend. Expenses will be reimbursed for travel to and from Oxford.

Tuition:

Students will receive 6 semester credit hours; tuition costs are covered by the REU program. Moreover, students will not be responsible for any associated fees (i.e., Miami University general fees).

Housing:

Students will stay in Miami University's dormitories at no cost. Two students will reside in each dormitory room. Each room is air-conditioned, has a small refrigerator, and contains both phone and internet connection. In addition, students residing in the dormitory will have access to a shared kitchenette and pots & pans (provided by ECO-REU), with which students can prepare meals. The Office of Student Housing and Meal Plan Services has an Envoy meal plan you can purchase.

Deadlines:

Please apply now!!! We will begin reviewing applications February 1, 2013. However, you may continue to send them in after that date.

Contact Information:

Dr. Ann Rypstra, Program Director
Department of Zoology
Miami University
Oxford, Ohio 45056
Phone: (513) 529-3176 or (513) 785-3238
Email: ecoreu@muohio.edu

Send questions or comments to ecoreu@muohio.edu

November Birthdays

Tim Filley – 10th
Frank Bakhit – 11th
Gerald Krockover – 12th
Kenneth Ridgway – 12th
James Ogg – 25th
Paul Shepson – 29th



IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter is 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 EAPS 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 Terri Moore (terri@purdue.edu) by **5:00pm Thursday** 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 EAPS 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, etc., see our departmental calendar at <http://eaps.purdue.edu>.

