

May 7, 2012

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## END OF THE SEMESTER

The spring semester and the 2011-12 academic year are winding down. We hope that the semester has been productive and enjoyable.

Congratulations to all of the EAS Graduates! Commencements for those receiving the Bachelor of Science degree from the College of Science will be on Saturday, May 12 at 2:30pm. Those EAS students earning their M.S. and Ph.D.s will attend the Graduate School and Professional Programs commencement ceremony which is being held on Sunday, May 13 at 9:30am.

We would like to wish you an enjoyable and productive summer as well as safe travels if you are on the road for research, study or other forms of pleasure and enlightenment.

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## Upcoming MEETINGS

### Monday, May 7

EAS Gold Mine Mtg., CIVL 2201 (12:00pm)

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## EAS DEFENSE

### Thursday, May 10, 11:00 pm, CIVL 2201

"Profiling the atmosphere with the airborne radio occultation technique using GPS signals," Paytsar Muradyan. Advisor: Jennifer Haase.

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## BALDWIN WINS TEACHING FOR TOMORROW AWARD

In recognition of his teaching accomplishments, **Mike Baldwin** has been selected as a recipient for the 2012-13 Purdue University Teaching for Tomorrow Award! He will be one of ten "junior" faculty matched with two highly accomplished and experienced faculty who will, over the next year, address important topics and experiences related to teaching and student learning.

Congratulations Mike!

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## EARTH DAY PARTICIPATION

**Jim Ogg and Bill Zinsmeister** were participants on an Earth Day panel following Purdue's showing of "The Big Fix" (2-year anniversary of the Macondo oil spill) on Sunday, 22 April.

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## EAS PRESENTATION

**Terry R. West** gave an invited seminar in the graduate seminar of Chemical Engineering on April 19, 2012. The title of the presentation was "Solid Waste Disposal, the Composition and Contamination Potential of Sanitary Landfills" and included the history of solid waste disposal. The seminar's theme this semester is Sustainability. A field trip to the Frankfort Sanitary Landfill led by Dr. West was held in conjunction with this seminar. About 50 graduate students and faculty attended the presentation.

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**Angel Torres**, EAS PhD candidate, offered a talk on May 3 about the "Sustainable Schools Program" to local teachers and SEEDS program participants from the US Green Building Council Caribbean Chapter in Puerto Rico.

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## EAS PUBLICATION

**Lu, X. & Q. Zhuang** (2012), Modeling methane emissions from the Alaskan Yukon River basin, 1986–2005, by coupling a large-scale hydrological model and a process-based methane model, *J. Geophys. Res.*, 117, G02010, doi:10.1029/2011JG001843.

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**Sun, W-Y, Sun, O.M. & Tsuboki, K.** (2012) "A modified atmospheric non-hydrostatic model on low aspect ratio grids," Citation: *Tellus A* 2012, 64, 17516. <http://www.tellusa.net/index.php/tellusa/article/view/17516/html>

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### Survey of current Purdue-China interactions in the area of global sustainability – Deadline, May 7, 2012

In the area of Global Sustainability there is a new program established at Purdue, the U.S. - China EcoPartnership for Environmental Sustainability (EPES), to assist our research community in building, enhancing, and maintaining US-China partnerships but also to help connect the academic and business environments of our two countries. Through the EPES, we hope to engage as many Purdue researchers as are interested in initiating new US-China collaborations, strengthening and/or growing existing partnerships, or linking with industry. I hope you will take a few minutes to take a very short following Qualtrics survey to help us to fully understand the potential of Purdue's collective strength in this area. Please follow this link to the survey:

[https://purdue.qualtrics.com/SE/?SID=SV\\_bOy97aeS2rOt3r6](https://purdue.qualtrics.com/SE/?SID=SV_bOy97aeS2rOt3r6)

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### Limited Submission: W. M. Keck Foundation

The W. M. Keck Foundation's *Medical Research Program* (<http://www.wmkeck.org/grant-programs/medicalresearch.html>) and *Science & Engineering Program* (<http://www.wmkeck.org/grant-programs/science-engineering.html>) seek to support high-risk/high-impact projects that are distinctive and novel in their approach, push the edge of their field, or challenge the prevailing paradigm. Eligible projects fall outside the mission of public funding agencies. Grants range from \$500,000 to \$1 million.

For this opportunity, Purdue may submit **one** application for Phase I consideration under each program. Full proposals are accepted in Phase II by invitation only.

Internal deadlines are as follows:

**Monday, May 21:** Letters of intent due to the OVPR (please specify the program – S&E or Medical).

**Monday, June 11:** Preproposals due to the OVPR.

**Monday, June 18:** Preproposal rankings due to the OVPR.

Sponsor deadline: November 1, 2012 (project discussion period July 1 – August 15).

Letters of intent, preproposals, and rankings to the OVPR should be e-mailed to [OVPRlimited@purdue.edu](mailto:OVPRlimited@purdue.edu). Purdue's limited submission policy and template for letters of intent may be found at <http://www.purdue.edu/research/vpr/rschdev/lid1.php>. For any case in which the number of internal letters of intent received is no more than the number of proposals allowed by the sponsor, the OVPR will notify the PI that an internal preproposal will be unnecessary.

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### ENVIRONMENTAL ED GRAD CLASS OFFER

Environmental Education, EDCI 50600

When: Monday, 3:30-6:20

Instructor: Dan Shepardson – [dshep@purdue.edu](mailto:dshep@purdue.edu)

(See attached flyer for details)

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### GRADUATE CLIMATE CONFERENCE

Pack Forest Conference Center, October 26-28, 2012.

Applications are due June 1<sup>st</sup>.

(See attached flyer for details)



### SPRING 2012 COMMENCEMENT

**Div. I – Friday, May 11, 2012 – 8:00 pm**

*(Education; Engineering)*

**Div. II – Saturday, May 12, 2012 – 9:30 am**

*(Liberal Arts; Technology)*

**Div. III - Saturday, May 12, 2012 – 2:30 pm**

*(Science; Management; Agriculture)*

**Div. IV - Sunday, May 13, 2012, 9:30 am**

*(Grad. School (All Colleges); DVM; DP)*

**Div. V - Sunday, May 13, 2012, 2:30 pm**

*(Health & Human Sci.; Pharmacy; Vet Med)*

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### MAY BIRTHDAYS!!!

Jon Harbor – May 5  
Bill Zinsmeister – May 6  
Dan Shepardson – May 26



### 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 EAS website at [www.purdue.edu/eas/](http://www.purdue.edu/eas/) and **Click on News** to access active links as needed. Material for inclusion in the newsletter should be submitted to Wanitta Thompson ([thompsow@purdue.edu](mailto:thompsow@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](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>.





# ENVIRONMENTAL EDUCATION

## EDCI 50600

**When:** Monday, 3:30-6:20, 1 hr Arr

**Who:** Undergraduate and graduate students in education, forestry and natural resources,  
and environmental science  
Practicing environmental educators and teachers  
Others interested in environmental education

**What:** The course is designed as an applications course; students learn about environmental education by developing environmental education materials and proposals and conducting environmental education research. The course exposes students to the goals for environmental education, environmental education curriculum, and pedagogical techniques for teaching about the environment. Students are introduced to *Project Learning Tree*, *Project Wild*, and *Project Wet*. The course is designed to meet the *North American Association for Environmental Education* guidelines for the preparation of environmental educators:

- Develop the skills and understandings for addressing environmental issues
- Promote awareness about the evolution of environmental education and the goals of environmental education.
- Create an awareness of environmental education programs, practices, and curriculum.
- Develop a foundation for planning and implementing environmental education: knowledge about learners, instructional methodologies, curriculum planning, and materials and resources.
- Develop the knowledge and skills for assessing and evaluating environmental education materials, programs, and learners.
- Develop the skills to conduct research in environmental education.

**Instructor:** Dan Shepardson

**Questions:** dshep@purdue.edu

GRADUATE CLIMATE CONFERENCE

GCC

**We are pleased to announce the 6th Graduate Climate Conference, a meeting organized by graduate students for graduate students. Atmospheric, biological, engineering, earth, and ocean science students are encouraged to present research on climate and climate change. The GCC fosters connections that will lead to future collaborations across disciplines and between institutions. Applications are due June 1st. For details see [www.atmos.uw.edu/gcc/](http://www.atmos.uw.edu/gcc/)**

**UNIVERSITY OF WASHINGTON  
Pack Forest Conference Center  
OCTOBER 26-28, 2012**

