April 7, 2014

EAPS MEETINGS
Tuesday, April 8, 3:00-5:00 pm, HAMP 3201
Primary Committee Meeting

EAPS COLLOQUIUM
Thursday, April 10, 3:30 pm, HAMP 1252
Professor Lindsay Worthington, University of New Mexico, Interplay Between Climatic and Tectonic Processes in the St. Elias Foreland, Southern Alaska: Evolution of a Glaciated Convergent Margin Since the Mid-Pleistocene http://goo.gl/l5Ps9S

EAPS PRESENTATIONS
Jim and Gabi Ogg co-taught a 4-day workshop (7 hr/day) on Earth history visualization and databases in Leuven, Belgium during 24-27 March. The 30 participants consisted of a stratigraphy professor and two selected students from each Belgium University.

Jim Ogg presented “The Art of Creating an Integrated Geologic Time Scale” seminar at the University of Leuven (Belgium) on Friday, 28 March.

EAPS PUBLICATIONS

EAPS NEWS
EAPS FACULTY PROMOTIONS
Dr. Dev Niyogi and Dr. Qianlai Zhuang have been promoted to full professors. Many congratulations to both!

PROMO VIDEO FOR NEW ONLINE VERSION OF EAPS 12000
Professor Jon Harbor is developing a totally new interactive online version of this course that will be available starting with the summer semester of 2014. To check out the promo video, click here!

THE INDIANA CHAPTER OF THE AIR & WASTE MANAGEMENT ASSOCIATION SCHOLARSHIPS
Each year, the chapter hosts environmental programs and an annual golf outing to generate scholarship award monies for students enrolled in an environmental curriculum at an Indiana college or university.

The university may distribute the scholarship monies to one or more students as long as the students meet all of the Chapter’s scholarship criteria and stipulations which are attached to this newsletter below.

CAMPUS NEWS
PURDUE DAY OF GIVING
On April 30, Purdue Day of Giving, the entire University community is coming together to give back- by spreading the word, and helping to grant opportunities for students to make an impact on the world.

Purdue Day of giving features both online and campus events, in addition to exciting competitions among all 43 participating units.

Visit the website and help share the message of Purdue Day of Giving!
DRIVING GLOBAL SUCCESS THROUGH ENVIRONMENTAL SUSTAINABILITY
Cummins Chairman and CEO, Tom Linebarger, will discuss how environmental sustainability is critical to the company’s long-term success.
Friday, May 2, 1:30-2:30 p.m., Pfendler Hall
Click here for more event info.
Click here to register now.

PURDUE CENTER FOR GLOBAL FOOD SECURITY FACULTY SEED GRANTS
The PCGFS requests Purdue faculty teams to submit research proposals for internal seed grants directed at innovative research approaches for resolving major global food and nutrition security challenges.
These seed grants are expected to serve as a path for generating new and novel data and information needed to develop more complete projects that will then be submitted to external donor agencies for competitive funding.
Applications are due on Wednesday, April 30th at 5:00 pm. Any questions should be directed to Gary Burniske – grburniske@purdue.edu. See attached flier for details.

POSTDOCS AND GRADUATE STUDENTS
UNIVERSITY OF OKLAHOMA HURRICANE MODELING AND DATA ASSIMILATION
The School of Meteorology of University of Oklahoma has an opening for a post-doctoral research associate or research scientist in the area of hurricane modeling and data assimilation. Working with one of the leading teams in data assimilation and hurricane modeling, successful candidates will conduct research to advance the science in hurricane dynamics/thermodynamics, predictability, modeling and data assimilation.
Applications should be received by May 15. See attached page for details.

DENALI NATIONAL PARK PHYSICAL SCIENCE TECHNICIAN VACANCY
Denali National Park and Preserve in Alaska is currently seeking to fill a Physical Science Technician vacancy. This is a GS-7 TERM appointment and may be extended up to 4 years without further competition.
The Physical Science Technician will assist senior resource science and management staff with the collection, management, analysis, and interpretation of a wide range of physical science information.
For complete details and application materials, please see: http://goo.gl/ipZ76i.

UNDERGRADUATE AND GRADUATE STUDENT INFORMATION
ANNUAL STUDENT GIS POSTER CONTEST
The annual GIS Poster Contest provides an excellent forum for GIS students to present their work to the entire Indiana GIS community.

All current undergraduate and graduate students from Indiana universities are eligible to join the poster competition. Students are invited to submit illustrations of how GIS is used.
See attached flier for complete details.

A NOTE FROM OUR ACADEMIC COUNSELOR
DISCOVERU
Undergraduate Research Poster Symposium in the Purdue Ballrooms on Tuesday, April 8, 2 – 6 p.m. Best wishes to EAPS participants!

GLOBAL PARTNERS AMAZING RACE
PURDUE APRIL 12
Global Partners and Ebuddies is looking for students to assist first-year students with adjusting to Purdue. You answer email questions at the beginning of the fall semester and are paired with a student from your own major. Minimum GPA of 2.5. For information and to sign up, contact Terry Ham hamt@purdue.edu.

GLOBAL PARTNERS AND EBUDDIES
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COLLEGE OF AGRICULTURE AG WEEK – SCAVENGER HUNT
South of State Street Scavenger Hunt

You’ve seen Memorial Mall and Engineering Mall, but what about Agricultural Mall?

Event Sponsor: Cargill
As a part of 2014 Purdue Ag Week

THE GREEN PROGRAM- NOW ACCEPTING APPLICATIONS

The GREEN Program is the premiere experiential learning program for future clean energy and sustainability leaders. The short-term immersion programs take students on adventures to the epicenters of clean tech, sustainability and innovative industries.

-ICELAND-
Leave No Trace: Sustainable Wilderness Travel

Discover Iceland on foot and backpack through lava fields, canyons, glaciers, and volcanoes. GREEN has evolved our educational model to certify our most physically active students in outdoor ethics, & sustainable wilderness travel. Achieve the international “Leave No Trace Certification.”

-GREEN Faculty & Educators Program
GREEN’s specialty program for Educators, Faculty, and Young Professionals that gives you the chance to experience Iceland’s renewable energy innovations, culture, and “bucket-list” excursions with a professional, global network. Gain industry insights and connections to incorporate into your work.

-Jacquie, ME, Brown University

“Having completed the two weeks abroad, I can truthfully admit that I was completely blown away by the program. The lectures were among the most engaging I have ever experienced — rivaling those at Brown. The program exposed me to incredible opportunities I otherwise would not have experienced. It was a perfect balance of education, fun, and adventure.

Application and Registration
You will be notified within 24 to 48 hours of submitting an application if you are accepted into the program. Registration is rolling, there is not a deadline as to when you can apply, but program space is limited. If interested, please submit your application or please visit here for more information.

April Birthdays
Maarten de Hoop – April 20th
Dayton Vincent – April 23rd
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 Amy Cooper (ancooper@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.
Scholarship Award
Criteria and Stipulations

1. Candidate must be a United States citizen (or permanent resident) and an Indiana resident.

2. Scholarship (merit) and need of the candidate are to be considered, with need given more weight.

3. Candidates must be enrolled in an undergraduate or graduate program in Environmental Science or Engineering. It is recognized that undergraduate programs in Environmental Science and Engineering may involve a variety of disciplines and course work that may not necessarily be called “Environmental Science/Engineering” in a curriculum brochure and may include topics such as Biology, Geology, or Natural Resources.

4. Candidates may be full time or part time students, but must be enrolled in at least 6 credit hours per semester.

5. Awards must be credited to candidates as tuition reimbursement, or used to pay registration for a professional seminar or workshop related to environmental science.

6. At the discretion of the School or Department, the award may be broken down into smaller awards as needed.

7. The scholarship must be awarded within the next academic year. The School or Department shall submit to the Indiana Chapter the name(s) and contact information of each recipient(s) no later than October 31 of that academic year.

8. The School or Department must send a notice to the recipient and complete and return the Scholarship Criteria Verification Form with verification of compliance with the criteria to the Secretary of the Indiana Chapter of the Air & Waste Management Association to the address below.

Ms. Jamie Dameron
Secretary, Indiana Chapter Air & Waste Management Association
c/o Bamberger, Foreman, Oswald, & Hahn, LLP
201 North Illinois Street, Suite 1225
Indianapolis, Indiana 46204
jdameron@bamberger.com
Fax: (317) 464-1592

Failure to comply with the aforementioned criteria and stipulations may disqualify the College/University from future scholarship award monies.
Scholarship Criteria Verification Form

Please complete and submit the following form by May 31st to:

Ms. Jamie B. Dameron
Secretary, Indiana Chapter Air & Waste Management Association
c/o Bamberger, Foreman, Oswald, & Hahn, LLP
201 North Illinois Street, Suite 1225
Indianapolis, Indiana 46204-4219
jdameron@bamberger.com
Fax: 317-464-1592

The following information pertains to the college/university employee contact:

Name: __________________________________
Position: __________________________________
Email: __________________________________
Phone Number: ________________________________
College or University Name: ___________________________
School or Department Name: ___________________________

Are you the primary/preferred contact for the environmental program at your school? If not, please provide the name and contact information of the appropriate personnel.

________________________________________________________________________
________________________________________________________________________

Please provide the contact information of the office or person to whom the Indiana Chapter should direct the scholarship check, if awarded. This should include the contact name, mailing address, who the check should be made payable to, and any additional pertinent information, as necessary.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
The following information pertains to the student(s) to which scholarship monies would benefit:

1. How will the school determine United States citizenship and Indiana residency?

2. How will the school determine scholarship merit and need?

3. In what education program(s) will the awardee(s) be enrolled?

4. How will the school determine the number of credit hours in which the awardee(s) is/are enrolled?

5. How will the school award the scholarship monies? In other words, will the school require the scholarship monies be used as a tuition reimbursement or will the monies be allowed to compensate registrations for professional seminars or workshops related to environmental science?

6. Does the school anticipate breaking the scholarship monies into more than one award?

7. When does the school anticipate awarding the scholarship monies (i.e., 1st semester, 1st trimester, etc.)?

8. Would your school be interested in learning more about the opportunities a student chapter of the A&WMA would give your students? If so, please provide the contact information of the professor interested in serving as the academic advisor.

If your college or university is awarded a scholarship from the Indiana Chapter of the A&WMA, we require notification of the name(s) and contact information of the recipient(s) receiving the award no later than October 31st.
Request for Proposals in Global Food Security
Faculty Seed Grants
Round 1 - Spring 2014

Innovative Approaches to Food Security in Developing Countries
Purdue Center for Global Food Security
Purdue University, West Lafayette Campus
Proposals Due – April 30, 2014

Purpose

The Purdue Center for Global Food Security (PCGFS) requests Purdue faculty teams to submit research proposals for internal seed grants directed at innovative research approaches for resolving major global food and nutrition security challenges. These seed grants are to foster collaboration by interdisciplinary groups of research faculty taking novel approaches to key, grand challenges impacting global food and nutrition security.

PCGFS seed grants are meant to encourage development of more integrated and holistic approaches to food security research with clear testable hypotheses. These seed grants are expected to serve as a path for generating new and novel data and information needed to develop more complete projects that will then be submitted to external donor agencies for competitive funding. Teams are highly encouraged to establish or strengthen national and international collaboration with scientists at other research and development institutions including universities, international research centers, private, non-profit, federal or global agencies for long-term team building. While the intent of these seed grants is global improvement, proposals that describe research on clearly defined food security challenges in particular geographical domains are also encouraged. Applications need to indicate target potential donor sources for supporting such research and development activities beyond the seed grant award period. Proposals that have elements of training/engaging young professionals in interdisciplinary research are particularly encouraged. Examples of themes include, but are not limited to, food security concerns around:

- The intersections between food, water, climate, and the environment
- The food, nutrition and health nexus
- Agricultural ecosystems, natural resources management, and productivity increases
- Building resilience in farming and the ecosystem
- Connecting innovations to markets
- Socio-cultural issues in the intersection between science, economics and policy

In this round $200,000 will be provided for up to four research awards at a maximum of $50,000 each. Faculty seed grants for global food security are not travel grants (no travel will be awarded); they are intended to support research and data generation activities that will lead to the submission in 2014-2015 of competitive grants for federal, or other external sources of support.
Eligibility

The PI must be a faculty member of Purdue, West Lafayette engaged in food security research and education, and approved by Sponsored Program Services to serve as a Principal Investigator to an outside agency. Proposals must include collaborating faculty from other Purdue departments and colleges. Collaborations with other national and international institutions are also highly encouraged.

Application and Submission Process

Proposals: The deadline for receipt of proposals is 5:00 p.m., Wednesday, April 30, 2014. Proposals should be submitted as a single PDF file attachment to an e-mail message addressed to foodsecurity@purdue.edu. Projects typically will have a start date of June 1, 2014, for a period of one year, although other timing will be considered. Please note that no-cost extensions will NOT be considered so teams should ensure that the proposed project can be completed within one year.

Budget Requirements
Proposals must include a budget prepared by the investigator’s pre-award office. A COEUS budget is to be included with the proposal. Due to the source of funding, F&A charges, all fringe benefits and graduate student fee remits will not be charged to the award and, therefore, should not be included in the COEUS budget.

Cover Page
Proposals must be attached to a completed Proposal Submission Form (the pre-awards office will prepare this form) and should be organized as follows:

Page 1: Face page, including:
- Proposal Title
- Principal investigators
- Total budget
- Project period

Pages 2-6: Research plan, limited to 5 pages, single-spaced, one-inch margins, and no smaller than 11 point font. Proposals must address the technical and general review criteria listed below and include the following labeled sections:
- Problem Statement
- Objectives and Rationale
- Materials and Methods
- Summary and Conclusion
- Metrics that will be used to measure success/impact

Attachments:
- References (one page or less)
- Two-page (max) biographical sketch for each PI or co-PI/investigator
• Two-page (max) current and pending support for each participant
• Budget, as prepared through COEUS by the college’s pre-award office

Review Criteria

Technical:
• Explicit description of how the project aligns with CGFS goals, which are to 1) provide global leadership, 2) create global public good, 3) build human and institutional capacity, 4) strengthen and grow partnerships, and 5) develop entrepreneurial capacity. Additional information on CGFS can be found at www.purdue.edu/discoverypark/food (required)
• High potential for submission to funding agencies, foundations and/or other sources of funding support in 2014-2015. (required)
• Reasonable probability of project success. (required)
• Clearly-defined, cross-campus/cross-disciplinary collaborative team. (required)
• Explicit capacity building with international collaborators. (required)
• Possibilities for private sector support and participation. (desired)

General:
• Quality: The proposed research must meet high standards of scientific merit and scholarship.
• Leadership: The investigators must have a strong research track record, and show initiative in addressing the proposed opportunity.
• Interdisciplinary team approach: Multiple investigators with the combined skills needed for a holistic approach, within the intent of the solicitation (including technical, social and economic factors where appropriate). Projects focused on a single discipline will not be funded.
• Leverage: Proposals will be judged on how well and creatively resources are leveraged (intellectually and internationally) to enhance research success and build research and education capacity among the participating institutions.
• Partnerships: Proposal teams are strongly encouraged that promote partnerships among centers and institutes engaged in the targeted regions/countries.
• Continuation: Potential means for sustaining the research project after the grant period with follow-on resources must be identified.
• Deliverables: Publications and communications produced with the funding provided must acknowledge the CGFS. Electronic copies (or summaries, in the case of publications where copyright would otherwise prevent a full copy) must be delivered to CGFS for possible linking to the CGFS website.

Post-Award and Reporting Requirements

• 6 months after the start of the project:
  o All proposal teams are required to submit a progress report with budget status (2 page max plus a one page budget summary).
All proposal teams are required to give a 1-hour status presentation to the CGFS Director, Managing Director and members of the CGFS Executive Committee. This will provide the means for constructive feedback.

- 30 days after the end of the project period:
  - All proposal teams are required to submit a final written report.
  - All proposal teams are required to submit a policy brief.

Contact Information

Questions about proposal submission should be directed to Gary Burniske at grburniske@purdue.edu
Post-doctoral research associate or research scientist position in hurricane modeling and data assimilation

The School of Meteorology of University of Oklahoma has an opening for a post-doctoral research associate or research scientist in the area of hurricane modeling and data assimilation. The work will be performed at University of Oklahoma in collaboration with scientists in Naval Research Laboratory at Monterey. Working with one of the leading teams in data assimilation and hurricane modeling, successful candidates will conduct research to advance the science in hurricane dynamics/thermodynamics, predictability, modeling and data assimilation.

The candidate will conduct research to investigate the mechanism of hurricane intensification, in particular the impact of outflow on hurricane intensification, through ensemble-based data assimilation and ensemble simulations, study the impact of data from HS3 (Hurricane and Severe Storms Sentinel) field experiments on the estimation and prediction of hurricane outflow and intensification, and extend ensemble-based data assimilation and simulation system to include multiple numerical models.

Desired Qualification:

- **Education and Experience:**
  - Ph.D. in atmospheric science, Meteorology, Engineering, Computer Sciences, Physics, mathematics or related disciplines
  - Experience in numerical modeling

- **Skills and Proficiencies:**
  - Demonstrated ability to work independently and collaboratively
  - Excellent written and oral communication skills
  - Fortran 90/95 programming experience in UNIX/LINUX environment
  - Familiarity with scripting and plotting languages

Depending on experience and qualification, the position can be either a postdoctoral research associate or a research scientist. Salary will be competitive based on experience and qualification. University of Oklahoma offers competitive benefits. Position is open now until filled and full consideration will be given to applications received by 15 May 2014.

To apply for the position, please submit electronic applications, including a letter of research interest and experience, CV, and three names of references including their contact information to Prof. Xuguang Wang, at xuguang.wang@ou.edu and [https://jobs.ou.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=303969](https://jobs.ou.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=303969) (job 18908)
STUDENT POSTER CONTEST

The annual GIS Poster Contest provides an excellent forum for GIS students to present their work to the entire Indiana GIS community.

All current undergraduate and graduate students from Indiana universities are eligible to join the poster competition. Students are invited to submit illustrations of how GIS is used.

Judging Criteria

Introduction and Methodology (30% of score)
• Statement of objectives
• Relation to previous research
• Research design

Results (30% of score)
• Substance of findings
• Relation of findings to objectives
• Conclusions

Design (40% of score)
• Organization
• Visuals

Please submit a printed copy of your poster and a digital file by APRIL 30th.

You do not need to be present to win.

For more details please visit: igic.org/conference

PRIZES

First Place
$250

Second Place
$150

Third Place
$100

Deliver or mail posters to
IGIC
777 Indiana Ave., Suite 210
Indianapolis, IN 46202
Attention: Phil Worrall

Submit digital files to
Matt Johnson
mrj21@indiana.edu

Student volunteers
Attend for FREE!
Contact Kurt Babcock
kbabcock.co.monroe.in.us