Upcoming MEETINGS
Monday, December 10 & 17, 1:00-2:00, HAMP 2201
Gold Team Meeting

EAPS PRESENTATIONS

Jon Harbor presented a workshop "Evaluating Faculty" with Lydia Fox at the Heads and Chairs meeting of the American Geophysical Union in San Francisco on December 2nd.

Career Day, Cumberland Elementary School, West Lafayette, Presented by Steven Smith, Dean Ballotti, Bridget Miller, and Jerry Krockover; 673 students (33 classrooms) participated.

Angel Torres-Valcarcel was invited to be a part and participate in a Dec. 7 Community Expert Panel, "Community Environmental Experts" to evaluate a sixth grade class Environmental Education Project from the University of Puerto Rico Elementary School.

Angel Torres-Valcarcel offered a talk about Environmental Sustainability to sixth grade students from the University of Puerto Rico Elementary School, Dec. 13.

AGU Purdue Posters and Presentations

EAPS PUBLICATIONS


KEN RIDGWAY
SELECTED AS 2012 GSA BROMERY AWARD RECIPIENT

Congratulations to Ken Ridgway for receiving the Geological Society of America's 2012 Bromery Award. The award recognizes minority professionals "who have made significant contributions to research in the geological sciences or those who have been instrumental in opening the geosciences field to other minorities." Professor Ridgway is a member of the Lenape (Delaware) Nation and the nomination for the award highlighted his pivotal role in Purdue's Tecumseh Project, which helps graduate students develop research projects on Native American lands and within their tribal communities. Nominator Sarah Roeske of the University of California, Davis, writes, "The role he plays in linking science and community is the key to his ability to connect with Native American students. He understands and respects the culture and what will help Native scientists connect with their elders and home."

EAPS ALUMNI EVENTS

PURDUE EAPS Alumni & Friends Reception
2013 AMS Reception Invitation
Tuesday, January 8, 6:30-8:30 pm
Hilton Austin, 500 E. 4th Street, Austin, Texas.
(See attached flyer)

NASA Langley Research Center
The Langley Aerospace Research Student Scholars (LARSS) Research Internship Program

The NASA LARSS internship program is a paid (stipend) research experience open to U.S. citizens who are full-time undergraduate (juniors and seniors) and graduate students. http://www.nianet.org/larss
(See the attached flyer for details)

4TH Annual MIDWEST GRADUATE RESEARCH SYMPOSIUM

The University of Toledo, Saturday, April 20, 2013, 8:00 am – 7:30 pm. (See attached flyer for details)
Indiana Grant Competition for Innovative Uses of GIS Tools and Data

The goal of this grant is to encourage graduate and undergraduate students to take advantage of Indiana’s geospatial data in solving real-world problems. Proposals will be judged based on their relevance to an identified need within the geospatial community, the value provided by the proposed project, and innovative use of geospatial data or tools. Projects using data available through the IndianaMap (www.indianamap.org) will be given priority, but any creative geospatial proposal will be reviewed.

Individuals and groups at universities affiliated with the Indiana Space Grant Consortium (https://engineering.purdue.edu/NSGC) are eligible to apply. Awards for grants of $5,000-$10,000 will be made. Deadline for submission is January 31, 2013.

Award Categories

Categories have been compiled with input from Indiana spatial data professionals. Applicants are encouraged to contact individuals in the geospatial community to verify the need for their proposed project. For a list of sample projects and contacts, see www.igic.org/grants/categories.html

- Climate Change and the 2012 Drought
- Energy Technology Trends
- Environment
- Hydrology
- Agriculture
- Geospatial Technology
- Data Visualization
- Public Health, Disease, and Epidemiology
- Archaeology
- Food and Nutrition
- Community Organization and Resource Management
- Public Safety and Criminal Justice
- Public Policy
- Spatial Economics
- Sport, Tourism, Recreation and Public Spaces
- Transportation

Submission Requirements

Applicants must submit a digital application package with the following:
1. Two to three page Proposal Narrative
2. Budget Form and Narrative
3. Curriculum Vitae for Senior Personnel
4. Two Letters of Support

For more information, visit www.igic.org/grants

Indiana Geographic Information Council (IGIC) and Indiana Space Grant Consortium (NSGC) – Grant Competition

The 2012-2013 Indiana grant competition for innovative uses of GIS tools and data. It opens for graduate and undergraduate students’ who is taking advantage of Indiana’s geospatial data in solving real-world problems. The deadline is January 31, 2013.

(See attached for more details)

Predoctoral Training Awards In Translational Research

The Indiana Clinical and Translational Sciences Institute (CTSI) is seeking applicants for special predoctoral training awards in translational research. Applications must be submitted by February 4, 2013, and awards will start July 1, 2013. Interested candidates should email their CV to Colleen Gabauer, Ed.D. at ictsi@purdue.edu (Ph: 765-494-9256).

(See attached flyer for more details)

A Note from Our Academic Counselor
For 12/10/2012 week

Congratulations to our EAPS December 2012 Undergraduate Candidates for Graduation:

Eric R. Fernandes
Joshua A. Lopez
Scott T. Platt
John B. Shufflebarger

Commencement is Sunday, December 16 at 9:30 a.m. in the Elliott Hall of Music. The event will also be available on webcast: mms://video1.itap.purdue.edu/graduation .

AMS Broadcast Conference

The 2013 AMS Broadcast conference will be in your backyard! We are contacting you because we hope that you will get involved. Although there are still many details to work, we are pleased to announce that the 2013 conference will land in Nashville, TN June 26-28 and will be held in conjunction with the Weather Warnings and Communication Conference.

The conference typically moves around the country from year to year and last year we were fortunate to have a tremendous turnout in Boston. Our goal is to pick locations that are both easy to get to and relevant to the field of meteorology. We are hoping that “Music City” will draw just as many participants for 2013 as Boston did in 2012. We know it’s a long way out, but we want to encourage you to at least consider presenting. Nashville was devastated by floods in 2010 and perhaps you would like to share your experience. Being in an area nicknamed “Dixie Alley” for the large number of violent and deadly tornados, you must have a story or two that your fellow broadcasters would like to hear. Considering this is a joint conference we especially encourage submissions related to severe weather and storm warning communications.

Winter hasn’t even begun yet and there will likely be more big events in the months to come. So start saving your work and consider showcasing it at the conference in June. We would also like to include a light-hearted session dedicated to unique, entertaining, or even embarrassing examples of on-air work for the 2013 conference.
Abstract fees will be waived for anyone who accepts this invitation. You will, however, still need to pay for registration. Even if you choose not to present, we hope the close proximity will encourage you to at least attend. In addition to the official conference content, we plan on holding a variety of social activities outside of the sessions. Please let us know if you have any suggestions on how to take advantage of what Music City has to offer in the summertime!

For more info, check out the AMS website http://www.ametsoc.org/MEET/meetinfo.html. We'll also post conference updates on Facebook and Twitter <http://twitter.com/AMSBroadcastCon> as they happen. We look forward to hearing from you! Please contact any of us with questions or suggestions.

Sincerely,
Rob Eicher, CBM, WOFL in Orlando, FL
rob.eicher@foxtv.com
Ross Janssen, CBM, KWCH in Wichita, KS
rossjanssen@cox.net
Carrie Rose, CBM, WTVR, Richmond, VA
crose@wtvr.com

For 12/17/2012 week

Study Abroad Internships

A callout for the study abroad internships in Sydney, London, and Beijing, which have been approved as meeting the CoS Language and Culture requirement, will be held on Thursday, January 17th, 5:30 PM, RAWL 2077.

For more information, see:

2013 Harvard Forest Summer Research Program

SUMMER - Applications are now being accepted for the 2013 Harvard Forest Summer Research Program, an opportunity for college students across the U.S. to participate in 11 weeks (May 20-August 2, 2013) of paid, independent research with mentors from Harvard and other leading institutions. 2013 projects focus on the ecological and social dimensions of forest ecosystem disturbance, including global climate change, hurricanes, forest harvest, wildlife dynamics, and invasive species.

Projects cover a range of fields, including atmospheric science, paleoecology, statistics, public health, wildlife population dynamics, land-use history, computer science, biogeochemistry, microbial ecology, and conservation. Undergraduate students and recent graduates from all majors are encouraged to apply. Stipend of $5500 for the 11-week session -Free furnished housing at Fisher House or Raup House -Free full meal plan - Travel reimbursement for one round trip to the Forest (federal grant restrictions apply).

Where is the Harvard Forest? The Harvard Forest is located in the town of Petersham in Western Massachusetts. Application Deadline is Friday, February 1, 2013, midnight EST.

2013 Marine Science Summer Internship – University of Delaware

Looking for a great undergraduate summer research opportunity at the College of Earth, Ocean, and Environment, University of Delaware. Supported by a grant from the National Science Foundation's Division of Ocean Sciences, this REU (Research Experience for Undergraduates) program supports ten undergraduate students to conduct research in marine science. We especially encourage applications from members of minority groups underrepresented in science. The program will run for 10 weeks (June 3 - August 9). Please go to our website http://www.ceoe.udel.edu/academics/undergraduate/summerInternApplication.aspx to find out more about the program. Student support includes a $5,750 stipend, campus housing, and travel assistance. The application form and instructions for submitting supporting documents are available at https://www.ceoe.udel.edu/academics/undergraduate/summerInternApplication.aspx. Interns will work with faculty and research staff in a graduate student atmosphere on a research topic in chemical, physical, or biological oceanography, marine biology, or marine geology. This internship program will take place at the University of Delaware's Hugh R. Sharp campus http://www.ceoe.udel.edu/about/campuses/lewes.shtml in the resort community of Lewes, Delaware's Hugh R. Sharp campus

K-12 Science Teaching Opportunities – Apply Before Semester's End!

The peak hiring season for private and independent schools is about to begin! Please consider forwarding this information to students interested in teaching biology.

Southern Teachers Agency provides a free resource to prospective teachers with knowledgeable, professional placement counselors guiding candidates through the competitive search process. Hundreds of private and independent schools around the South list vacancies with STA each year beginning in January! While applications are accepted on a rolling basis, we encourage interested students to apply prior to the winter break to ensure ample time to prepare a credentials file for the peak hiring season. It is important that students begin talking with potential references and requesting letters of reference.

All active STA candidates are invited to our job fairs. These job fairs provide an excellent opportunity for candidates to personally meet with school administrators who are trying to fill actual vacancies. Administrators
schedule interviews with candidates of interest to take place during the fair.

Southern Teachers Agency will hold three job fairs for active, registered STA candidates in 2013:
1. Best of the South! Atlanta, GA, February 9, Candidate application deadline: January 25
2. STA at NAIS: Philadelphia, PA, Feb. 27–Mar. 1 Candidate application deadline: February 15
2. A Capitol Campaign: Washington, DC, Mar. 23 Candidate application deadline: March 11

The STA online application can be found on our website at www.southernteachers.com. If you have questions, we would be delighted to speak with you about STA, our process, or the types of science teaching jobs available.

Shannon Johnston
Coordinator of College Recruitment
(434) 295-912
www.SouthernTeachers.com

Southern Teachers Agency . . . Because our students deserve the best

Knowles Science Teaching Foundation Fellows

We are pleased to inform you that the Knowles Science Teaching Foundation is now accepting applications for the 2013 cohort of Science and Mathematics Teaching Fellows. The Knowles Science Teaching Foundation (KSTF) was created by Janet H. and C. Harry Knowles in 1999 to cultivate and support exemplary science and mathematics high school teachers and develop the next generation of leaders in education. If you know a student interested in pursuing a career in teaching mathematics or science at the high school level, please let them know about the KSTF Teaching Fellowship.

KSTF’s programs are designed to help reverse the current national trend that sees approximately half of all secondary teachers leave the field within five years. The total award for each Fellow is valued at nearly $175,000 over the course of the five-year Fellowship. Fellows receive tuition assistance while participating in a teacher credential program, monthly stipends, and grants for professional development and teaching materials. By empowering science and mathematics teachers to be effective in the classroom, KSTF helps deliver enriched educational experiences to students and, in the long run, ensures a stronger, healthier and more competitive nation.

Applications will close on January 9th, 2013 at 12 Noon EST. If you have any questions about our Teaching Fellowship Program, please feel free to email us at teachers@kstf.org, or contact us at 856.608.0001.

Mickey Leland 2013 Energy Fellowship (MLEF)

The Mickey Leland Energy Fellowship (MLEF), sponsored by the U.S. Department of Energy’s Office of Fossil Energy, is a 10-week summer internship program that provides opportunities to minority and female students who are pursuing degrees in science, technology (IT), engineering, or mathematics (STEM majors). Candidates who are selected will have the opportunity to work on focused research projects consistent with the mission of the Office of Fossil Energy.

During the 10 weeks, students will work at one of several locations. At the conclusion of the internship, students will attend a “Technical Forum” where they will present their research project and tour several technical sites located nearby (the location of the technical forum changes every year).

Candidates will receive a paid stipend during the program, in addition to approved transportation expenses to and from the internship site and technical forum location. The MLEF program allows students to gain valuable experience in DOE/FE mission-related research programs, and offers an “inside view” of federal employment which encourages students to consider future opportunities within the Department of Energy.

Eligibility Requirements
To qualify for the program, students must:
- Be 18 years of age
- Be a citizen of the United States
- Be currently enrolled full-time in an accredited college or university (sophomore year or higher); and have a cumulative GPA of 3.0 or higher.

For more information: Contact mlef@hq.doe.gov or visit http://www.fossil.energy.gov/education/lelandfellowships

Emory STEM Research and Career Symposium

We are pleased to invite you and your outstanding STEM scholars to apply for participation in our Emory STEM Research and Career Symposium to be held April 3-5, 2013 at the Emory Conference Center. Students may apply directly at http://www.surveygizmo.com/s3/1071065/Symposium

THE SYMPOSIUM

This event is an exciting new opportunity for your undergraduate and graduate students to present their research, to further their professional development, and to learn about careers in the STEM disciplines. The event consists of:
· A premier research conference for undergraduates interested in learning about PhD, MD/PhD or postbaccalaureate programs; graduate students contemplating postdoctoral training; and the advisors of these students.
· Two days of shared research presentations, networking and mentoring. Eight students will present platform talks and the rest will present posters.
· Professional Development workshops, campus tours, and individual meetings with potential Emory mentors.
· Extensive interactions with Emory research faculty mentors, graduate students, and postdoctoral fellows. Thursday evening will feature a mixer with bowling, pool and stimulating discussion among participants and their hosts.

PARTICIPANTS
· We invite participation by research advisors, undergraduates interested in postbaccalaureate, Ph.D, or M.D./Ph.D. studies, and graduate students pursuing
postdoctoral training in the STEM disciplines. We are also particularly interested in identifying students from underrepresented groups who are not currently in an organized program such as MARC, REU, RISE, or PREP and who might therefore benefit the most from this conference.

- All student participants will be expected to present a platform talk or a poster on their research. If faculty wish to attend along with their student(s), please let us know and we will inform you when your students have been accepted.

**COSTS**

There is no charge for this conference and all meals will be provided. Hotel accommodations are available at the Emory Conference Center (www.emoryconferencecenter.com/) at $129 plus tax per night, double occupancy. Additional rooms may be available at the adjacent Emory Inn (https://bookings.ihotelier.com/Emory-Inn/bookings.jsp?hotelId=75977) for $79 plus tax per night. Because resources are limited we encourage students to seek funding from their sponsored research program or other sources.

**APPLICATION**


The application deadline is January 21st (January 15th for students wishing to apply for travel awards). A committee of Emory training faculty will review abstracts to select participants and travel awardees. Awardees will be notified by January 31st. All student participants will be expected to present a platform talk or a poster on their research.

**EMORY STEM RESEARCH AND CAREER SYMPOSIUM**

- Website: http://gs.emory.edu/StemRCSymposium
- Email: stem.symposia@emory.edu

Summer Undergraduate Research at Emory University (SURE): http://www.cse.emory.edu/projects/students/sure.html

Emory Postbaccalaureate Research and Education Program (PREP): http://emorypostbac.blogspot.com/

**December Birthdays**

Darryl Granger - 5th
Suzanne Zurn-Birkhimer - 29th

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**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 Waniita Thompson (thompsoa@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 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, deadlines, etc., see our departmental calendar at http://calendar.science.purdue.edu/eas/seminars.
Plan to Join

Earth Atmospheric Planetary Sciences

for our annual Alumni & Friends Reception

Tuesday, January 8, 2013
6:30 - 8:30 pm

Hilton Austin
500 E 4th Street
Austin, Texas

No RSVP required
Contact 765-494-3258 for more information
The Langley Aerospace Research Student Scholars (LARSS) Research Internship Program
http://www.nianet.org/larss

The NASA Langley Research Center (Hampton, VA) offers paid, year-round (3 sessions), highly competitive research internships for exceptional students to work with Langley engineers and scientists on some of the Nation’s most important, difficult, and challenging problems. The LARSS program emphasizes multi-disciplinary and collaboratively developed solutions to problems in such broad areas as (1) flight, including entry, descent, and landing, in all atmospheres; (2) Earth systems science, including the characterization of all atmospheres; (3) affordable, safe, and sustainable space exploration systems and technology; and (4) materials and structural concepts, analysis, and integration.

ELIGIBILITY REQUIREMENTS
- U.S. Citizenship
- Full-time student status at an accredited U.S. college or university
- Classification as a rising undergraduate junior or senior, or graduate student (master's or doctoral level)
- Cumulative 3.0 GPA on a 4.0 scale

PROGRAM SESSION DATES
  Application Deadline: Oct. 11, 2012
- 2013 Summer Session (10 weeks) June 4 – Aug. 9, 2013
  Application Deadline: Feb. 1, 2013
- 2013 Fall Session (15 weeks) Sept. 4 – Dec. 13, 2013
  Application Deadline: June 26, 2013

CONTACT INFORMATION
Debbie Murray
LARSS Program Coordinator
Phone: 757-864-5215
Fax: 757-864-9701
Deborah.B.Murray@nasa.gov

Find additional LARSS information, application, and deadlines at http://www.nianet.org/larss
4th Annual Midwest Graduate Research Symposium

Saturday
April 20, 2013
8:00A.M. – 7:30P.M.

FREE

*AOpen to All Graduate Students from All Study Areas*

Registration Deadline: March 29, 2013

- Register for free online by visiting www.utoledogsa.com → Participant Registration
- For complete information, visit: www.utoledogsa.com/information

- Semi-Formal Dinner
- Oral & Poster Presentation
- Great Networking Opportunity
- No registration fee
- Breakfast, Lunch, and Dinner Provided

E-mail: graduatestudentassociation@gmail.com

Sponsored and Organized by the University of Toledo Graduate Student Association
IGIC Announces the 2012 – 2013 Indiana Grant Competition for Innovative Uses of GIS Tools and Data

In partnership with the Indiana Space Grant Consortium (INSGC), The Indiana Geographic Information Council (IGIC) is pleased to announce our first ever GIS grant competition in support of STEM Education for the State of Indiana.

Deadline for submission is January 31, 2013:
IGIC’s goal of this grant is to encourage graduate and undergraduate students to take advantage of Indiana’s geospatial data in solving real-world problems. Proposals will be judged based on their relevance to an identified need within the geospatial community, the value provided by the proposed project, and innovative use of geospatial data or tools. Projects using data available through the IndianaMap (http://www.IndianaMap.org) will be given priority, but any creative geospatial proposal will be reviewed.

Project Categories:
The following grant categories have been compiled with input from Indiana geospatial data professionals: Public Health, Disease and Epidemiology, Archaeology, Food and Nutrition, Community Organization and Resource Management, Public Safety and Criminal Justice, Public Policy, Spatial Economics, Sport Tourism Recreation and Public Spaces, Transportation, Climate Change and the 2012 Drought, Energy Technology Trends, Environment, Agriculture, Geospatial Technology and Geospatial Data Visualization.

Application Timeline:
All applications should be received by January 31, 2013 to ensure full consideration. Timelines for awardees are scheduled as follows:
  - November 5, 2012: Application submission opens
  - January 31, 2013: Application deadline
  - March 29, 2013: Initial notification of intent to award

Eligibility:
Students currently attending universities in Indiana affiliated with the Indiana Space Grant Consortium (https://engineering.purdue.edu/INSGC) are eligible to apply. Awards for grants of $5,000-$10,000 will be made. Both individual and group projects will be considered. Students and PIs receiving funding must be US citizens. For projects NOT using IndianaMap data, 1:1 matching will be required.

For more information visit the IGIC Grants home page: http://igic.org/grants/
Predoctoral Training Awards in Translational Research

The Indiana Clinical and Translational Sciences Institute (CTSI) is seeking applicants for special predoctoral training awards in translational research.

In biomedical terminology translational research refers to what is popularly termed "bench to bedside", the process by which research in the lab "translates" into patient treatment. Translation may involve applying discoveries made during research (in the lab, through animal studies, etc.) to the development of clinical trials and studies in humans, or carrying out research aimed at enhancing the adoption of best practices, or both.

These two types of translational research are usually described as consisting of either “T1 research” (basic biomedical research, e.g. study disease at a molecular or cellular level, as it progresses to the development of new treatment options at the clinical level) or “T2 research” (enhancing access to and the adoption of evidence-based strategies in clinical and community practice, institutionalizing programs, products, and services to improve health). These awards are aimed at predoctoral students whose research is at any point along this spectrum.

Funding is available for pre-doctoral graduate students. Criteria for application include:

- Candidates must have completed at least one year of a pre-doctoral training program but cannot have completed more than their third year (i.e., applicants must be in the second or third year of their pre-doctoral program when they apply).
- Co-mentorship by faculty investigators from at least two different disciplines (preferably a clinician and a non-clinician scientist).
- Research that is translational in nature and takes advantage of the synergism that comes from working at this basic/clinical interface.
- U.S. citizen or permanent resident status.

Funding is for two years (with the 2nd year of funding contingent upon satisfactory progress). Benefits include a full stipend as well as health insurance and partial coverage of tuition and fees. The Indiana CTSI is applying for a competing renewal in early 2013. Funding availability is contingent upon continued funding of the Indiana CTSI by the NIH.

Trainees will be required to participate in a translational science course, attend a National CTSA meeting, and present at several Indiana CTSI pre-doctoral gatherings during the academic year.

Applications must be submitted by **February 4, 2013**, and awards will start July 1, 2013. Interested candidates should e-mail their CV to Colleen Gabauer, Ed.D, at ictsi@purdue.edu (Phone: 765-494-9256).