The Weekly News

December 3, 2012

Like EAPS on Facebook - www.facebook.com/EAPSPurdue
Follow EAPS on Twitter - twitter.com/PurdueEAPS

Upcoming MEETINGS

Monday, December 3, 1:00-2:00, HAMP 2201
Gold Team Meeting

Tuesday, December 4, 1:30-3:00, HAMP 2173
Gold Mine Meeting

EAPS WEATHER BRIEFING MEETING
Every Monday, Wednesday & Friday,
1:00 pm, HAMP 4173

EAPS ARTICLES PUBLISHED


EAPS CLASS PRESENTATIONS

Wednesday, Dec. 5, 10:30 am, HAMP 4247
Students in EAS 535 "Atmospheric Observations and Measurements" will present the results of their field research projects.

Wednesday, Dec. 5, 3:30 pm, HAMP 4247
Students in EAS 431 “Synoptic Laboratory I” will be giving a powerpoint presentation of their class research project.
(Faculty, students and staff are welcome. Refreshments will be served.)

Thursday, Dec. 6, 12:30 pm, HAMP 4247
Students in EAS 226 “Introduction to Atmospheric Science Research” will present results of their second-module research.

Congratulations!

Olivia Kellner was selected to be a Student Member of the 2013-2014 American Meteorological Society Committee on Applied Climatology to begin in January.

D. Sarah Stamps has been awarded a National Science Foundation Earth Sciences Postdoctoral Fellowship for An Investigation of Continental Rift-Parallel Deformation. This project will be carried out at MIT in collaboration with Professor Brad Hager.

EAPS ONLINE SEMINAR PARTICIPANT

Angel Torres-Valcarcel virtually attended an online Science Seminar in Puerto Rico titled “Spatial and temporal analysis of land cover and landscape structure change in Zagros forests, Western Iran” by Dr. Henareh on November 28.

EAPS ALUMNI EVENTS

PURDUE EAPS 5th Annual Reception Invitation
Wednesday, December 5th, 7:00–9:00 pm
ThirstyBear Brewing Company, San Francisco,
(See attached flyer for this event)

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)
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

AAAS Annual Meeting Fellowship

For students and early career scientists who are enrolled in, or employed at, U.S. institutions to attend the 2013 AAAS Annual Meeting in Boston, Feb. 14-18, 2013.

Please submit the following items by Dec. 1, 2012 to Ester Sztein (ESZtein@nas.edu) or John All (john.all@wku.edu).
(See attached flyer for more details and application form)

ATTENTION TRAVELERS!!!

Risk Management wants travelers to remember to use our contract IDs when renting from National or Enterprise car rentals.

National Contract ID 5004459
Enterprise Contract ID XZ08035 (If a PIN Number is requested, use PUR)

Purdue’s contract rates includes the insurance, therefore Purdue is not liable when accidents happen. When travelers do not use the contract IDs, it takes time for Risk Management to work with the rental agency to resolve paying for damages to a rental vehicle.

Information on these agreements can be found on the travel website at http://www.purdue.edu/business/travel/Discounts/national.html.
We thank you for your cooperation in this matter.

CAMPUS SEMINARS

Tuesday, December 4, 3:00-4:00, STEW, Rm 214 A,B,C, Complimentary refreshments and poster viewing from 2:30-3:00

“Engineering a Water Curriculum” Introductory Session.
Interested students, faculty, and student organizations are welcomed to the Introductory Session for this course.
(See flyer for more information)

OPEN POSITION

University of North Carolina, Pembroke
Assistant Professor in Geosciences
Department of Geology & Geography

Beginning August 2013. Seeking applicants in any area that compliments existing strengths in sedimentary geology. Particular areas of interest include the environmental geosciences or igneous/metamorphic petrology.
Please visit our website (http://www.uncp.edu/geo/)
(See attached flyer for more details)

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)
The GREEN Program is a 12-day program that immerses students in the Renewable Energy and Sustainability industries. It combines education, adventure, and cultural immersion to accelerate your career. GREEN's post-program benefits allow like-minded students to stay connected through the GREEN Alumni Network, which provides alumni access to internship and job opportunities as well as industry events.

To gain a better understanding of The GREEN Program, visit: [www.theGREENprogram.com](http://www.theGREENprogram.com). Due to high demand, spots on each program are limited to 20 students. Submit your application for the program dates below:

**9-Day SPRING BREAK Programs**
- March 2nd - March 10th
- March 9th - March 17th
- March 16th - March 24th (Program Full)
- March 23rd - March 31st

**12-Day SUMMER Programs**
- 15 Programs: May - September

**NASA's Planetary Geology and Geophysics Undergraduate Research Program (PGGUPR)**
Undergraduates currently enrolled in college, or who have completed their undergraduate degrees but have not yet enrolled in graduate school, are eligible to apply. Preference is given to US citizens and residents. Spend 8 weeks this summer working with a NASA funded researcher. PGGUPR covers costs of travel, living expenses, and a stipend. Go to [http://www.buffalo.edu/~tgregg/pggupr_homepage.html](http://www.buffalo.edu/~tgregg/pggupr_homepage.html)

**Indiana GIS Competition**
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. Applications due February 1, 2013.

**Indiana GIS Competition Award Categories**
Categories have been compiled with input from Indiana geographic information 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](http://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](http://www.igic.org/grants)

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**Teachers Needed**
Indianapolis and Northwest Indiana Teaching Fellows (ITF) needs seniors and alumni to apply to become excellent teachers. ITF works in partnership with Indianapolis Public Schools and local charter schools to recruit and train recent graduates and career changers who may not have experience in education but do have the content knowledge to teach high-needs subjects –math, science, English, etc.. They work to ensure that students in Indianapolis and Northwest Indiana have an excellent teacher every year so that they can become the next generation of doctors, lawyers, scientists, engineers, etc.–making dreams come true.

Students may be interested in relocating after they graduate. ITF is part of TNTP’s national network of teacher recruitment and certification programs: [tntp.org](http://tntp.org) - [facebook](http://facebook) - [linkedin](http://linkedin) - [twitter](http://twitter)

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**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/](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 EAPS 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](http://calendar.science.purdue.edu/eas/seminars).
Alumni, students & friends!
Join us for the
5th annual Purdue Reception
at the ThirstyBear Brewing Co.

Date: Wednesday, December 5, 2012
Time: 7:00 pm - 9:00 pm
ThirstyBear Brewing Co.
UPSTAIRS in the BILLAR ROOM
661 Howard Street, San Francisco, CA

For more information, please contact the
Department of Earth, Atmospheric, and Planetary Sciences
at 765-494-3258
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
Geology and Geography section of AAAS (Section E) is excited to announce an AAAS Annual Meeting Fellowship for students and early career scientists who are enrolled in, or employed at, U.S. institutions to attend the 2013 AAAS Annual Meeting in Boston, to take place on February 14-18, 2013. This Fellowship is intended to encourage young scientists to be more involved with the AAAS. There will be a variety of programs of interest at the Meeting, and the Section will organize a social event where the awardees will meet other members and Fellows of the Section. Participation at this Meeting will allow awardees to attend career development activities, the chance to meet with other geoscientists, and the opportunity to have a look at what is new in other sciences and in science policy. For this program, early career scientists are defined as those within 3 years of receiving their Ph.D. Each award is anticipated to be a maximum of $1,000. To apply, please submit the following items by December 1, 2012 to Ester Sztein (ESztein@nas.edu) or John All (john.all@wku.edu).

- A short application: including a cover letter addressing your reasons for attending the meeting and a prioritized budget of expenses
- 1-page résumé
- A transcript of your coursework to date (students only)
- If you are presenting a poster, provide a copy of the approved abstract

**FUNDING:**
A limited number of travel fellowships of up to $1,000 will be available. By accepting the award, all successful applicants agree to submit a short online post-meeting report describing the value of attending the AAAS meeting for their career by March 15, 2013.

**DEADLINE:**
Applications are due by December 1, 2012. Please email applications to: ESztein@nas.edu or john.all@wku.edu. Award decisions will be communicated directly to the awardees by January 4, 2013.

**Application Form:**

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"Engineering a Water Curriculum" Introductory Session

A group of Purdue faculty and students in STEM, liberal arts, business, and other areas have been diligently fostering a multidisciplinary service-learning curriculum on water and sanitation in developing countries. These issues require a multidisciplinary approach and provide a unique opportunity for faculty and students from across a wide range of disciplines to collaborate.

"So why do I care?" As a faculty, student, or student organization, you can:
- Develop leadership on global affairs by solving topical real-world challenges on water sustainability
- Engage in multidisciplinary projects in developing countries and utilize specialized knowledge & skills
- Broaden your horizon in water sanitation and sustainability and explore new things
- Get in touch with varied experts and organizations from a variety of inter-related fields

Interested students, faculty, and student organizations are welcomed to the Introductory Session for this course! Come to learn what you can gain and contribute in global water sustainability issues.

Tues., December 4th
3:00-4:00pm
Stewart Center
Room 214 A,B,C
Complimentary refreshments and poster viewing from 2:30-3:00 p.m.

For more information, please contact:
Prof. Angelica Duran <durams@email.purdue.edu>
Prof. Chip Batchley <batchle@email.purdue.edu>

In collaboration with Global Water Brigades, The Third Project, Timmy Global Health, and Engineers Without Borders at Purdue
Sponsored by the Purdue Water Community, the Discovery Park Undergraduate Research Internship Program, and the FSBIT fund
The University of North Carolina at Pembroke invites applications for a tenure-track Assistant Professor in the Department of Geology & Geography beginning August, 2013. We seek applicants in any area that complements existing strengths in sedimentary geology. Particular areas of interest include the environmental geosciences or igneous/metamorphic petrology. Please visit our website (http://www.uncp.edu/geo/) to learn more about our facilities including GPR and electron microprobe.

The successful candidate will teach general education sections in addition to courses in their area of expertise as part of our new major in Geo-Environmental Studies. Applicants should be strongly committed to excellence in teaching, advising, and mentoring undergraduates, and to working in a multicultural environment that fosters diversity. The Ph.D. is required at the time of appointment.

Applicants should submit curriculum vitae, cover letter, statements of teaching philosophy and research interests (1 page each), and contact information (address, email, phone number) for three references at https://jobs.uncp.edu. Address inquiries to: Dr. Lee Phillips, Department of Geology & Geography, p.l.phillips@uncp.edu. Review of applications will start on December 10, 2012 and will continue until the position is filled. UNC Pembroke is an equal employment/affirmative action employer. Minorities, veterans and women are encouraged to apply. EEO/AA
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

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

E-mail: graduatesstudentassociation@gmail.com

Sponsored and Organized by the University of Toledo Graduate Student Association
RSA is looking for you!!

We are looking for part time students at the AFCC (Anti-Fraud Command Center) at the Purdue Research Center!

This part time position is a great way to earn money and gain real work experience!

We want talented Students with an affinity for internetworking to join the RSA Consumer Solution’s 24*7 Anti-Fraud Command Center (AFCC) which provides online fraud detection to the first tier financial institutions in the world!

You will be trained to detect and analyze online threats and act according to AFCC procedures to deploy counter measures, block and shut down the threat.

Responsibilities:
- Detect phishing attacks
- Analyze new fraud trends and technologies
- Forensics analysis and research
- Shut down fraudulent websites
- Communicate with customer to update on attack status

Shifts hours: Choose any 3 shifts/week out of the 35 shifts to choose from (you can vary the shifts week to week)
Morning: 7:30-11:45 AM    11:30 AM-3:45 PM
Evening: 3:30PM-7:45PM    7:30PM-11:45 PM
Night:     11:30PM-7:45 AM

Requirements:
- 0 -1 years experience
- Graduate or undergraduate students graduating in 2014,2015, 2016
- Technical knowledge in the Internet world
- Detail oriented & analytical ability
- Very strong interpersonal & communication skills
- Previous experience in Internet companies , help desk – an advantage
- Commitment to work for the center for 1 year BONUS after 2 years!

Training starts January 11th. On site interviews will be at Purdue in early December 3 – 7th.

APPLY NOW!!: Send your resume to afcc-hr@rsa.com and linda.greco@emc.com and we will schedule an immediate phone interview.

You may see our position on line at http://emc.com/college Click “apply now” and search requisition “94247”.
We look forward to connecting!
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 ictsii@purdue.edu (Phone: 765-494-9256).