The EAPS Weekly News

March 7, 2016

EAPS MEETINGS & EVENTS

CoS SPRING FACULTY MEETING SCHEDULE
Apr. 19, 2016
LWSN 1142
3:30-4:30 PM

EAPS SPRING FACULTY MEETING SCHEDULE
Mar. 22nd, Apr. 12th, 2016
HAMP 3201
3:00-4:30 PM

LPSC 2016
March 21-25, 2016
The Woodlands, Texas

EAPS AWARDS BANQUET
April 18, 2016
Buchanan Club of Ross-Ade Pavilion
Reception: 5:30 PM
Dinner at 6:00 PM

ALUMNI ADVISORY BOARD MEETING
April 19, 2016
HAMP 2201

DEAN’S VISIT TO DEPARTMENT
April 21, 2016
1:30 - 4:00 PM

EAPS FACULTY & STAFF FALL RETREAT
August 18, 2016
Beck Ag Center, Rm 111
8:30 AM – 4:00 PM

EAPS FALL WELCOME BACK PICNIC
August 18, 2016
Happy Hollow Park, Shelter 1
4:30 – 7:00 PM

EAPS COLLOQUIA

Ruth Aronoff, Ph.D. Candidate
“Garnet Geochronology Reveals a New Orogeny”

Tuesday, March 8 2016
4:00 PM
HAMP 2201

Francisca E. DeMeo, Harvard-Smithsonian Center for
Astrophysics
“Asteroids as Records of Solar System History”

Thursday, March 10, 2016
3:30 PM
HAMP 1252

EAPS PUBS


EAPS NEWS

2016 COS FACULTY & STAFF AWARDS RECIPIENTS
We would like to congratulate the recipients from EAPS and recognize all they do for the department.

- Lucy Flesch – Leadership Award
- Barbara Gibson – Engagement Award
- Briony Horgan – Undergraduate Advising Award
- Kathy Kincade – Customer Service Award
- Wen-wen Tung – Diversity Award

- Improving Cyclone Forecasting

Prof. Dev Niyogi’s research was highlighted in the news. He has partnered with scientists and governments to improve forecasting of cyclones for the Indian coast and improve the safety of people living in the area.

Read the entire article at [https://goo.gl/](https://goo.gl/)

- Attention Faculty and Students: Last Day to Drop a Spring 2016 Class

The last day to drop a 16-week class for spring is Friday, March 11, 2016. This deadline occurs earlier than in previous years and is on the last day of classes before Purdue’s Spring Break (March 12-20). Most students will need the instructor’s signature if they wish to withdraw from a class.

- Undergraduate and Graduate Student Information

**Summer Registration Research Hours Change**

There has been a change in the registration of Summer research hours (EAPS 69800 and EAPS 69900). Research credits will now cover all three modules instead of just the second and third. Summer session now begins May 16.

- It’s very important that all graduate students conducting research – on or off campus – be appropriately registered. The number of 69800 and 69900 credits taken during the summer should reflect a graduate student’s research and writing efforts.
- EAPS 69800 and 69900 are scheduled from May 16 through August 2.
- A maximum of nine (9) credits taken during Summer Session are permitted to fulfill graduation requirements.
- Graduate staff must be registered for at least three (3) credits in order to hold their assistantships (i.e., if you are being paid, you must be registered).

As during the Fall/Spring semesters, a Form 23 is required in order to register for research hours. Failure to register by May 16 will invoke a $200 late registration fee. If you have questions contact Kathy Kincade at kkincade@purdue.edu

- Microsoft Word for Thesis Writers

These courses in March provide an overview of MS Word features that will help you quickly and easily format a thesis or dissertation meeting Purdue Graduate School requirements. Contact Ashlee Messersmith at amiley@purdue.edu with questions. See attached flyer dates and times. Registration is required at: [https://goo.gl/X51tEQ](https://goo.gl/X51tEQ)

- 2016 CSU Sacramento-Geology Field Camp

Spring 2016 field course open to senior geology majors. Note that the entire class is conducted from June 1 to July 10, 2016.

Applications form is available at [www.csus.edu/geology](http://www.csus.edu/geology). Email application PDF and materials to geology@csus.edu (cc: hhausback@csus.edu) or mail to:

Geology 188 Application
c/o Geology Department
California State University, Sacramento
6000 J Street
Sacramento, CA  95819-6043

See the attached flyer for more information, schedule, fees, and deadlines. Please contact Brian Hausck at hhauscak@cusu.edu if you have questions.
SHORT TERM STUDY ABROAD PROGRAMS

The GREEN Program offers accredited 8-10 day programs which take students to epicenters of clean tech, sustainability, and innovative industries. Programs available winter, summer, or spring break. See attached flyer.

- Engage in hands-on, experiential education with industry experts and professionals
- Gain behind-the-scenes access to innovative clean energy facilities and sustainability projects
- Supercharge resumes with a global perspective and unique cultural experience
- Network and develop relationships with powerhouse student leaders and professionals
- Bridge the gap between traditional textbook learning and real-time industry insight
- Participate on world-class bucket list adventure excursions
- Earn an academic transcript for transfer credit short term abroad programs for future clean energy & sustainability leaders

Apply: www.thegreenprogram.com

2016 WATER FOOD GLOBAL CONFERENCE

The University of Nebraska is hosting a Water for Food Global Conference. The conference will be held April 24 – 26 in Lincoln, NE where the theme will be Public-Private Partnerships for water and food security.

We are calling for posters from graduate students that innovatively address current research focused on Water for Food at the University of Nebraska. If your abstract is accepted, your poster will be on display at the conference, where hundreds of international scientists, scholars and decision-makers from academia, government, industry, private foundations and NGOs will see and discuss your work with you. See attached flyer.

Prizes will be awarded.
Abstract Deadline: March 16, 2016
See more at: http://waterforfood.nebraska.edu/2016-water-for-food-global-conference-poster-competition/#sthash.yyK9EX6S.dpuf

2016 CROSSROADS GEOLOGY CONFERENCE

The student members of the Rho chapter of Sigma Gamma Epsilon at Indiana University would like to extend a formal invitation to participate in the 16th annual Crossroads Geology Conference, April 1 & 2, 2016 at Indiana University in Bloomington.

Crossroads is a student-organized event featuring research presentations by graduate and undergraduate students across the Midwest. This conference is open to any student in earth, atmospheric, or planetary science to present their research. Students from other fields, such as archaeology, physics, or anthropology, are also welcome to present research relating to geological sciences.

Crossroads is free to all students and is an excellent opportunity to interact with judges from a variety of industry and academic fields. Awards will be presented to top oral and poster presentations for undergraduate and graduate students. In addition, students are encouraged to participate in the networking event, career panel discussion, and the campus tour exploring the geology of Indiana University building stones. Breakfast and lunch are provided on Friday and Saturday as well as appetizers during the networking social Friday evening.

Abstract templates are located on the Crossroads website along with submission information. Abstracts and resumes are due March 23rd. If you are interested in attending the conference and would like a student host to house you please let us know and we will attempt to find a host for you.

Additional information available at http://www.indiana.edu/~sgeweb1/
For additional inquiries contact crossroadsgeologyconference@gmail.com
MERIT-BASED SUPPORT TO GRADUATE STUDENTS

The EAPS Department provides the opportunity for merit-based support to graduate students to present their research at professional conferences. The maximum yearly amount of department support is $400 per graduate student (each fiscal year). Submit your form to Kathy Kincade (Room 2169D/HAMP) no later than one month prior to the start of the conference you plan to attend. Requests after the fact or after that timeframe will not be accepted.

OTHER NEWS

14TH ANNUAL GREAT LAKES METEOROLOGY CONFERENCE

The conference will be at Valparaiso University on April 2, 2016. The Keynote speaker is Dr. Bill Lapenta, Director of NOAA’s National Center for Environmental Prediction. Topics for the event include: lake effect snow research, meteorology in the energy sector, communications during severe weather, GOES-R, and much more. Registration cost is $55 until March 23, then it will increase to $75. For more information, please see the attached flyer or contact valpo.ams.nwa@valpo.edu

SUMMER WORKSHOP IN MATHEMATICAL MODELING OF EARTH’S DYNAMIC SYSTEMS

This workshop will be an intense, hands-on introduction to the creation and use of numerical models as a method for investigating the dynamics of Earth systems. Participants will learn how to translate their understanding of Earth processes into systems of differential equations, and solve them to test hypotheses concerning both modern and ancient systems. In addition, participants will learn how to apply and evaluate selected existing Earth system models. The short course is open to graduate students and faculty. The event is from July 31-Aug 5, 2016 in University Park, PA. See the attached flyer for additional details and registration information.

JOBS

The Department of Natural Sciences at Shawnee State University invites applications for a one-year full-time Visiting Faculty position in Geology, to begin 2016. Applications due are due by March 7, 2016. If interested, apply at https://jobs.shawnee.edu/postings/2272. See flyer for additional details.

MMCC Summer Intern Positions

Intern positions available for the Midwestern Regional Climate Center. They are looking to fill positions for a Climatologist and Climatologist/Computer Programmer. This hourly position is from May 31-Aug. 19, 2016.

Interested applicants should email cover letter and resume no later than Monday, March 28, 2016 to Beth Hall, Director MRCC Illinois State Water Survey at bethhall@illinois.edu. See attached flyer for additional information.

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 http://www.eaps.purdue.edu/news/newsletters.html and Click on News to access active links as needed. While Fallon is on leave, material for inclusion in the newsletter should be submitted to Jill (jwable@purdue.edu) by 5:00pm on 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.eaps.purdue.edu/resources/information_technology/index.html.

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://www.EAPS.purdue.edu/events-calendar.html.
Asteroids and other small bodies are markers, like tiny beacons, relaying information about the initial temperature and composition conditions of our Solar System revealed by their surface compositions. The Solar System’s evolution may also be determined from the scattering record of these bodies. Today we are armed with major advancements from the past decade that have revolutionized the field of asteroids in areas such as discovery, physical characterization, meteorite links, and dynamical models. Based on tens of thousands of measurements from the Sloan Digital Sky Survey, in this talk I present a new compositional map of the asteroid belt that reveals a greater diversity of asteroids as a function of size and distance and discuss these results in the context of Solar System formation and evolution.

Thursday, March 10, 2016
3:30 p.m.
Room 1252 HAMP

Refreshments at 3:00 pm
Room 2201/ HAMP
Announcing the 2016 Water for Food Global Conference Online Poster Competition

Graduate students! The 2016 Water for Food Global Conference, organized by the Robert B. Daugherty Water for Food Institute at the University of Nebraska, will be held April 24-26 at Nebraska Innovation Campus in Lincoln, Nebraska, USA.

The conference brings together experts from around the world to discuss advances in science, technology and policy to help address one of the most urgent challenges of the 21st century: how to achieve greater food security with less pressure on water resources.

This year's theme, "Catalytic Collaborations: Building Public-Private Partnerships for Water and Food Security," focuses on the powerful impact that can be achieved through public-private partnerships in water for food research, technology and project development.

The conference is a premier opportunity to present your poster to hundreds of international scientists, scholars and decision-makers from academia, government, industry, private foundations and NGOs. In addition to this visibility, the conference will offer cash prizes for the top posters and a discounted registration rate for graduate students!
Open now: Graduate Student Online Poster Competition!

Abstract deadline: March 16

Note: In order to present a poster at the conference, you must submit an abstract for the online competition!

Online poster competition prizes:

First Place: Free Water for Food Conference registration and $1000 cash.

Second Place: Free Water for Food Conference registration and $750 cash.

Third Place: Free Water for Food Conference registration and $500 cash.

Information about the faculty and partner poster session will be sent in a subsequent message.

Stay Connected

Robert B. Daugherty Water for Food Institute
(+1) 402.472.5145
waterforfood@nebraska.edu

Robert B. Daugherty Water for Food Institute,
2021 Transformation Drive, Suite 3220, Lincoln, NE 68588-6203
Announcing the 2016 CSU Sacramento - Geology Field Camp (Geology 188)

Our course is a Spring 2016 offering, but note that the entire class is conducted from June 1 to July 10, 2016. Therefore, it would be very easy for students from other universities to take this course. Students at CSU campuses can apply for the course on their own campus through Intrasystem Concurrent Enrollment. In this system the student pays Spring semester tuition at their home campus and pays no tuition to the Sacramento campus. The only additional fee is the standard student field camp fee of $2850 paid by all CSU students (both from the Sacramento and any other CSU campus).

We are also hoping to allow students from non CSU campuses to apply. For those students please fill out the application form for “2016 Geology 188 Advanced Geologic Mapping” and send it in. We will give you further instruction on enrollment as that information becomes available.

Directions for Non-CSUS students interested in the Sacramento Geology Field Camp 2016:
Please apply by sending the application form and the Intrasystem Concurrent Enrollment form (both fully filled-out) to the Geology Dept. Office; to this address:

Geology 188 Application
c/o Geology Department
California State University, Sacramento
6000 J Street
Sacramento, CA  95819-6043

Alternatively, you may scan your application material to pdf and then email to geology@csus.edu.
(Also please cc: hausback@csus.edu)

No fees or deposits are needed at this time. If your course application is successful we will contact you and let you know how to pay the student course fee of $2850.

Keep in mind that the camp will begin on June 1, 2016 and we are in Sacramento for the first week of the course. You will be required to attend these lab sessions so you will need to find local accommodations for that period of time. Any accommodations for those initial days of the course are at your own expense. You might consider staying with family or friends that you might have in the Sacramento area.

We anticipate enrolling 12 or more non-CSUS students in the 2016 course but will not have exact numbers or results of your application until late January, at the earliest.

Enrollment will remain open until the course is full.
The GREEN Program offers accredited 8-10 day programs which take students to epicenters of clean tech, sustainability, and innovative industries. We invite you to join us during your next winter, summer, or spring break as we continue on our adventure towards a more sustainable future.

- Engage in hands-on, experiential education with industry experts and professionals
- Gain behind-the-scenes access to innovative clean energy facilities and sustainability projects
- Supercharge resumes with a global perspective and unique cultural experience
- Network and develop relationships with powerhouse student leaders and professionals
- Bridge the gap between traditional textbook learning and real-time industry insight
- Participate on world-class bucket list adventure excursions
- Earn an academic transcript for transfer credit

**Apply:** thegreenprogram.com

@GREENPROGRAM

#ONLYONTHEGREENPROGRAM
14TH ANNUAL GREAT LAKES METEOROLOGY CONFERENCE
2 APRIL 2016

VALPARAISO UNIVERSITY CENTER FOR THE ARTS
REGISTRATION BEGINS AT 9AM
SPEAKERS BEGIN AT 10 AM CT

Making a MARK

KEYNOTE SPEAKER:
DR. BILL LAPENTA, DIRECTOR OF NOAA’S NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION

Topics Will Include:
- Lake effect snow research
- Meteorology in the Energy Sector
- The use of CAWS for aviation
- Communication during Severe weather
- GOES-R
- And much more!

Cost:
$55 for all Weather Enthusiasts
*Note: For logistical purposes, the registration cost will increase to $75.00 after Wednesday March 23, 2016

Includes:
- Continental Breakfast
- Coffee and Cookie Breaks
- Lunch and Dinner
- All Conference materials

Registration is Now Open!

For more information contact the Northwest Indiana Chapter of AMS/NWA at valpo.ams.nwa@valpo.edu
CALL FOR STUDENT POSTERS AND PRESENTATIONS

The Northwest Indiana Chapter of the American Meteorological Society is looking for both undergraduate and graduate students to speak on research they have done in atmospheric science. If you have had an exciting research project in meteorology, atmospheric science, or a related field and you are interested in showing off your work in front of 100 regional meteorology students, we want you!

We are interested in having up to six research talks at our conference this year. Each student presenter would be responsible for a 12-minute talk on their research with 3-minutes for questions from the audience. We are also looking for students interested in bringing their research posters for a poster session later in the afternoon. Both of these experiences would be great ways to practice for future conference presentations, build a resume, and connect with other peer and professional meteorologists from around the Great Lakes region. **The conference is April 2, 2016 from 9am-7pm at Valparaiso University in Valparaiso, Indiana.**

The theme of the 2016 Great Lakes Meteorology Conference is: “Making a Mark”. The theme is aimed at exploring how professionals in various sectors of meteorology have made their ‘mark’. Our goal is to make this conference student-oriented and showcase many of the different research opportunities that meteorology students have completed. By incorporating student research, we can help students explore their potential in this great field of science.

If you are interested in these opportunities at the 2016 Great Lakes Meteorology Conference, please send a brief abstract on your research and a short statement on why you would like to present at the 2016 Great Lakes Meteorology Conference to the Northwest Indiana Chapter of AMS/NWA at **valpo.ams.nwa@valpo.edu** or submit it via this link: **http://www.valpo.edu/student/nwa/2015_Conf/index.php**

In addition, if you have any questions regarding this excellent opportunity, feel free to contact Raelene Campbell at **Raelene.Campbell@valpo.edu**.

The call for student speakers and posters closes **Sunday, March 20th, 2016 at Noon CT.**
Like: “Northwest Indiana AMS/NWA Chapter” on Facebook!

Follow: @NWI_AMS on Twitter!

Follow: @NWI_AMS_NWA on Instagram!

We will post several updates and reminders regarding the 2016 Great Lake Meteorology Conference! Make sure to use our hashtag: #GLMC2016! In addition, you can keep up to date on what our chapter is doing and even get some ideas for what your chapter can do!

Making a MARK!
Mathematical Modeling of Earth’s Dynamic Systems: Letting the Genie out of the Model

A Short Course

July 31 – August 5, 2016
University Park, Pennsylvania USA

Sandra Kirtland Turner (UC Riverside) and Lee Kump, David Pollard and Rudy Slingerland (Penn State), Course Instructors

This workshop will be an intense, hands-on introduction to the creation and use of numerical models as a method for investigating the dynamics of Earth systems. Participants will learn how to translate their understanding of Earth processes into systems of differential equations, and solve them to test hypotheses concerning both modern and ancient systems. In addition, participants will learn how to apply and evaluate selected existing Earth system models.

Agenda

Sunday, July 31, 2016: Arrivals and ice-breaker


Wednesday Aug. 3 (afternoon): Field trip/social event

Thursday Aug. 4: Introduction to Earth system models of intermediate complexity (GENIE) and full complexity Earth system models (general circulation models, ice-sheet models).

Friday Aug. 5: Opportunities to delve further into more sophisticated transport problems, EMICs, or GCMs.

Details

- Participants will have ample time to practice their skills creating and running models with help from the course instructors.
- Course enrollment is limited to 20 participants.
- Graduate students, postdoctoral associates, and early career faculty members will receive preference in the selection of participants.
- We anticipate that with the support of Penn State and our sponsors, the Agouron Institute and Princeton University Press, travel expenses, course fees and per diem costs of the participants will be minimal.

Those interested in participating in this workshop should send a curriculum vitae and a 1-page statement explaining their interest in participating and how they intend to put their new-found modeling skills to use in their research. Graduate students should provide the name of their advisors, their tentative thesis/dissertation titles, and an indication of whether they are pursuing an M.S. or Ph.D. degree. Please send all materials to Tina Vancas, Penn State Geosciences, 503 Deike Bldg., University Park, PA 16802 USA (tqs5@psu.edu).
Microsoft Word for Thesis Writers

Strongly encouraged for: Master's & Ph.D. candidates currently writing theses using MS Word
Interested Faculty & Staff

Scheduled Sessions:

Word for MAC: Monday 3.07.2016 10 - 11:30AM SC 183
Word for PC: Monday 3.07.2016 5:30 - 7PM SC 231
Word for PC: Wednesday 3.23.2016 1:30 - 3PM HIKS G959
Word for PC: Friday 3.25.2016 9:30 - 11AM PHYS 026

An hour of content will be provided and the last 30 minutes will be Q&A

Candidates must pre-register using the following link:
https://ias.itap.purdue.edu/rgs/wgb_workshop.disp_online_workshop

These courses provide an overview of MS Word features that will help you quickly and easily format a thesis or dissertation meeting Purdue Graduate School requirements.

Topics to be covered will include:

- Table of Contents creation
- Using Section Breaks
- Next Page to control margins & pagination
- Landscape page creation
- Table creation
- Font embedding

Questions?

ASHLEE MESSERSMITH - ASSISTANT  |  765.494.3231  |  amiley@purdue.edu
http://www.purdue.edu/gradschool/research/thesis/index.html
MRCC Summer Intern-Climatologist

Position: Student Hourly

Salary: $12/hour   40 hours/week

Availability: May 31, 2016-August 19, 2016

Primary Function of Position: To serve in a support role within the service and research-based environment at the Midwestern Regional Climate Center (MRCC).

Duties & Responsibilities: This position is designed to expose the intern to the range of activities within the Midwestern Regional Climate Center. The intern will assist MRCC climatologists with service activities including responding to data and information requests in the MRCC service office as well as work on applied climate research projects.

Qualifications

Education: Currently (2015-2016 school year) enrolled as a sophomore or junior majoring in the atmospheric sciences or related field. A strong interest in climatology is preferred.

Experience: Strong communication skills are required for this climate services environment. Experience with word processing and spreadsheet software is also required. Experience in computer programming, scripting and statistical packages such as Unix, Perl and Python is encouraged.

Knowledge: Word and Excel.

Contact Information: Letters and resumes submitted electronically via email must include the applicant's last name as part of the file name. Interested applicants should email cover letter and resume no later than Monday, March 28, 2016 to:

Beth Hall, Director MRCC
Illinois State Water Survey
bethhall@illinois.edu

The University of Illinois is an Affirmative Action/Equal Opportunity Employer

www.inclusiveillinois.illinois.edu
MRCC Summer Intern-Climatologist/Computer Programmer

Position: Student Hourly

Salary: $12/hour  40 hours/week

Availability: May 31, 2016-August 19, 2016

Primary Function of Position: This position is designed to expose the intern to the range of programming needs of the Midwestern Regional Climate Center (MRCC). To serve in a support role within the service and research-based environment at the Midwestern Regional Climate Center (MRCC) with computer programming assistance with MRCC data.

Duties & Responsibilities: The intern will assist MRCC scientists with the modification and development of computer programs and scripts to gain exposure to online tool development and research methods that accesses large atmospheric datasets. Ability to communicate effectively within a team environment is required.

Qualifications
Education: Currently enrolled undergraduate or graduate student majoring in computer sciences, atmospheric sciences, or related field. Programming experience with Perl, Python, Javascript and/or Java in a UNIX/LINUX environment.

Experience: in programming statistical summation of scientific data would be helpful.

Knowledge: Word, Excel, Perl, Python, Javascript, or Java.

Contact Information: Letters and resumes submitted electronically via email must include the applicant's last name as part of the file name. Interested applicants should email cover letter and resume no later than Monday, March 28, 2016 to:

Beth Hall, Director MRCC
Illinois State Water Survey
bethhall@illinois.edu

The University of Illinois is an Affirmative Action/Equal Opportunity Employer
www.inclusiveillinois.illinois.edu