EAPS MEETINGS
FACULTY MEETING, Jan. 29, 3:00-5:00, HAMP 3201

EAPS CONGRATULATIONS TO MATT HUBER
Matt was selected as new director of Purdue Climate Change Research Center. Click the link for the story:

EAPS PUBLICATIONS


EAPS PRESENTATIONS
Jon Harbor, Jan 24, Lafayette Kiwanis Club, "Around the world in two hundred and 80 days: Sabbatical Research, Teaching, and Outreach."

EAPS GRAD NEWS
2013 SIGMA XI GRADUATE STUDENT RESEARCH AWARDS COMPETITION POSTER SESSION
Where: Stewart Center, Rooms 214/218
Date: Wednesday February 13, 2013.
Graduate Students and Post-Doctoral Researchers abstract of your research in MS Word format by 11:59 pm, Friday, February 1, 2013. (Detailed information is attached)

2013 Graduate Student Research Expo
I am requesting your poster and oral presentation abstracts for the Graduate Research Expo on Saturday, February 9th. Please send a title and abstract to me if you are interested in participating before January 25th. This is your opportunity to practice your presentation skills and tell the department about the work you are doing. If you are graduating anytime soon, this is a great chance to work out some kinks in your style and content before your defense. Thanks, Tenille Medley tmedley@purdue.edu

ACADEMIC COMMUNITY ENGAGEMENT POSTER PRESENTATION
Kransert Drawing Room
Tuesday, April 16th, 9:00 am – 5:00 pm
(See attached flyer for details)

2013 AAPG/SEG SPRING BREAK STUDENT EXPO
The University of Oklahoma
March 14-15, 2013
(See 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)

MICMoR Fellows, PhDs & Postdocs in Atmospheric Sciences/Meteorology, also excellent Master Students
September 17th – September 26th
Institute of Meteorology and Climate Research IMK-IFU in Garmisch-Partenkirchen.
Summer school course in Europe, Observations and experimental methods in an inhomogeneous atmosphere: How to make sense of meteorology in mountainous regions. Rich Grant will be one of the instructors.
(See attached flyer for details)

CAMPUS NEWS
Discovery Park is pleased to host Harvey Seifter for a presentation, “The Art of Science Learning” February 13th, 10:30-11:30 Burton D. Morgan Center for Entrepreneurship, Rm 121.
(See the attached flyer)
FACULTY, STAFF, AND STUDENTS

The Purdue Police Department has outlined personal safety strategies which all faculty, staff, and students of Purdue University can employ:

1) **PLEASE DO NOT LEAVE VALUABLES UNATTENDED.** Even for short periods of time. It takes far less time than a minute for someone to steal an unattended item.

2) **LOCK YOUR OFFICE WHEN THE ROOM IS UNATTENDED.** We see this all over campus. A person leaves their office door open or unlocked while they step out to use the bathroom, go get a cup of coffee, hit the vending machine etc. Subsequently this leaves their laptop, keys, briefcase, purse vulnerable to theft.

3) **IF A DOOR IS SUPPOSED TO BE LOCKED….KEEP IT LOCKED!** Restricted areas, secondary hallways, doors leading to sensitive areas…we all wish we lived in a world which didn’t require us to be inconvenienced by locked doors. But we don’t. Keep our accesses secure, and if a problem arises, contact maintenance.

4) **REPORT SUSPICIOUS ACTIVITY! SEE SOMETHING SAY SOMETHING!!!** This is critical. Safety and security is everyone’s responsibility. Only if we take ownership in the places that we live and work do we truly start seeing a transformed environment. That means that if a community member sees something suspicious, or out of place they tell someone!!!! Ask questions, be aware! STAY INVOLVED.

5) **The Purdue University Police Department** is staffed 24 hours a day year round. We are a professional Law Enforcement Agency with the same powers and duties as our municipal counterparts. We are also an accredited agency through the Commission of Accreditation for Law Enforcement. We promote being contacted whenever the need arises or is perceived. We can be contacted via 911 in emergency situations, or by the business line (765) 494-8221 for non-emergency matters.

As always, we stand ready to be of service. I hope that by increasing our vigilance and preparedness we can reduce the instances of theft and other crime which we have encountered.

Detective Sergeant Matthew C Wietbrock
Purdue University Police Department
205 S. Martin Jischke Drive
West Lafayette Indiana 47906
(765) 494-8221 Dispatch
(765) 496-8358 Office
mcwietbrock@purdue.edu

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New Social Media Policy

If you use Facebook, Twitter, LinkedIn or other social media outlets, please be aware of a new university policy that goes into effect **February 1.** All University-Sponsored Social Media Outlets in existence must have Account Administrators assigned and be registered in accordance with the policy within 90 days of the policy’s issue date (February 1). The policy is available at [www.purdue.edu/policies/information-technology/viic2.html](http://www.purdue.edu/policies/information-technology/viic2.html).

There is also a new Guide to Social Media available at: [https://marketing.purdue.edu/Toolkit/SocialMedia](https://marketing.purdue.edu/Toolkit/SocialMedia).

Here are a few key points you will need to take action on:

- All social media sites affiliated with the West Lafayette campus must be registered with Marketing & Media. Registration information includes the name of the sponsoring site, the media outlet being used, the name and contact information of account administrator(s), and account login information/administrator access. This information must be updated with Marketing & Media anytime there is a change.

- Each social media site must have two account administrators who are benefits eligible faculty or staff. These administrators have ultimate responsibility for maintaining the social media, although they may delegate to other faculty, staff, or currently enrolled students.

All sites must include the university’s disclaimer in the description on the social media site. A full and short version of this disclaimer are available in both the policy and the guide to social media.

For questions or policy clarification, please contact the Office of Marketing and Media, [marketing@purdue.edu](mailto:marketing@purdue.edu), X42082.

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**Discovery Learning Research Center**
**Advancing Research to Transform Education**

**Showcase & Symposium**
Feb. 26, 11:30 am – 3:00 pm
**Hall for Discovery Learning & Research, Room 131**

The DLRC invites you to join us for an afternoon of information and conversation. The objective of the DLRC Showcase & Symposium is to highlight the mission of the center and to help you better understand how the DLRC can partner with you to enhance your STEM research and proposals. We look forward to seeing you!

**Tentative Schedule**

11:30 am – Lunch & Keynote
1:00 pm - Program with DLRC Overview Projects
2:00 pm - Afternoon Reception & Poster Session

Additional details and registration for this free event available at [www.purdue.edu/dp/dlc](http://www.purdue.edu/dp/dlc).

Please contact Laura Warner at [learningcenter@purdue.edu](mailto:learningcenter@purdue.edu) or 494-4555 with questions.
CALL FOR PRESENTATIONS
PURDUE GEOTECHNICAL SOCIETY WORKSHOP & the 11th G.A. Leonards Lecture
Friday, April 19, 2013, Krannert Auditorium

“Organoclays: Novel Barrier Media for Managing Groundwater Flow and Transport at NAPL-Contaminated Sites”, Prof. Craig H. Benson, Univ. of Wisconsin-Madison. (See attached flyer for details)

RELAY FOR LIFE OF PURDUE UNIVERSITY
APRIL 6-7, 2013

A call out for those interested in Relay for Life on January 15th at 7pm in Beering B286. Relay for Life raises money for the American Cancer Society to fund prevention programs, health and wellness programs, and cancer research. (See attached flyer for more details)

EARTH SCIENCE RESEARCH GRANTS AVAILABLE!

Ten grants are available for 2013 in amounts up to $3000/grant. The deadline for application is March 1st. http://www.evolvingearth.org

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)

AMS FELLOWSHIPS AND SCHOLARSHIP PROGRAMS FOR STUDENTS

AMS scholarship and fellowship programs are supported by AMS members, corporations, and government agencies nationwide. The information and applications are available on the AMS web site at www.ametsoc.org, located on the student resource pages. http://www.ametsoc.org/amsstudentinfo/studentprogramflyer.pdf

Indiana Geographic Information Council (IGIC) and Indiana Space Grant Consortium (INSGC) – 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.

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)

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/INSGC) 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
2013 Juneau Icefield Research Program

JIRP is an experience-based educational and research program that takes senior high school, undergraduate, and graduate-level students on an 8-week, self-powered expedition from Juneau, AK, to Atlin, BC, over the Juneau Icefield. During this expedition, students receive training and experience in backcountry skiing, glacier travel, and crevasse rescue; participate in JIRP’s long-running mass balance and surface elevation surveys; receive lectures from top scientists in a range of natural sciences (including glaciology, geology, climatology, meteorology, biology, and ecology); and perform individual research projects, the results of which they present at public symposia in Atlin and Juneau. Students receive academic credits for participation in the program from the University of Alaska Southeast.

This year’s program will run from June 21 through August 16. The cost for the program is $4800; this includes all transportation, food, lodging, and instruction following arrival in Juneau, Alaska (but does not include transportation to and from Juneau). Some scholarships are available.

Application materials and additional information are available at Juneaulicefield.com. To ensure full consideration for acceptance and scholarships, completed applications should be submitted by April 15.

For further information about JIRP, http://www.juneaulcefield.com/
CSULB NSF-REU: Geospatial Research and Mapping (GRAM); Field Research Program for Undergraduates Hawai`i, June 2nd – June 29th 2013; LINK: http://www.csulb.edu/colleges/clas/departments/geography/nsf-reu/  We are planning to run the second year of the three-year NSF REU program in June 2013. Students will all gather at California State University at Long Beach for one week of initial training on geospatial technology: computers, GIS, image processing, data generation techniques, etc. Students and Graduate Assistants will be housed at the CSULB dorms for this week-long training session. We will then all travel to the beautiful State of Hawai`i or the two-week field portion of the project.

June 2-7: CSULB - June 8-29: Hawai`i

This experience is designed to provide a truly unique research and educational opportunity for undergraduate students through active participation in data collection and analysis in support of ongoing research by scientists at CSULB and the University of Hawaii.

GRAM research is conducted at two scales: local site and broader landscape. The summer research experience emphasizes the use of geospatial techniques to aid hypothesis-driven geospatially based natural resource and archaeological research and mapping that will result in improvements in the monitoring and analysis of environmental processes on Kaua`i. The natural resource-focused research contributes to improved understanding of long-term changes in vegetation cover dynamics, natural hazards, non-point source pollution, and surface/groundwater quality. The archaeological research improves our understanding of settlement chronology and resource utilization prior to European contact. An important practical goal is to assist NTBG with baseline studies and monitoring protocols to assess the effectiveness of ecological restoration and cultural preservation activities.

GRAM provides a framework for geospatial analysis of the landscape that introduces undergraduate students to technology and the culture of research while providing the tools and methods required to map, monitor, and analyze patterns and environmental processes. GRAM allows undergraduate students to develop research questions and conduct basic and applied research on Kaua`i using cutting-edge geospatial technologies.

This REU site research focuses on the geospatial sciences and will apply geospatial technologies to address a combination of archaeological, natural resource mapping, and applied research questions. Geospatial science refers to sub-disciplines within Geography (such as spatial analysis, biogeography, and hydrology) that evaluate the earth’s surface through the use of fieldwork and geospatial technologies, and integrate physical, biological, and human-built environments, both ancient and contemporary, for analysis and assessment. Geospatial technologies include geographic information systems (GIS), remote sensng, thematic mapping, image processing, global positioning systems (GPS), and spatial statistics. Hosted by NTBG’s excellent facilities for student housing, educational programs, and research, students will be able to learn in the natural laboratories provided by botanical gardens and nature preserves, and some of the richest archaeological sites in Hawai`i.

Texas A&M University is again hosting a Research Experience for Undergraduates (REU) site funded by the National Science Foundation for 10 undergraduate students to conduct cutting-edge research in a transitional cloud forest in central Costa Rica. Specifically, the REU site provides a unique international opportunity for students to be immersed in the practice of active inquiry and research in:

1. **Ecohydrology**: feedback between forest vegetation and hydrology from the scale of an individual leaf to the entire stand
2. **Hydrology**: movement and distribution of water through the forest from above-canopy precipitation and cloud immersion, to stream and groundwater flow
3. **Meteorology and climatology**: spatial and temporal variation in precipitation, evapotranspiration and boundary layer structure from the scale of an individual stand to the entire watershed
4. **Soil Science**: structure and geochemistry of forest soil
5. **Biogeography**: distribution and structure of forest vegetation at various scales in the watershed

Successful applicants will receive all expenses paid trip to Costa Rica in addition to a $500 a week stipend. Further information about the program can be found at http://costaricareu.tamu.edu/ and a description of the Soltis Center for Research and Education in Costa Rica can be found at http://soltiscentercostarica.tamu.edu/. The application deadline is January 31, 2013.

January Birthdays

Harsh – 1st  John Cushman – 19th
Qianlai Zhuang–2nd  Tom Tharp – 28th
Matt Huber - 10th
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 Wanitta Thompson (thompso@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.
2013 GRADUATE STUDENT RESEARCH AWARDS COMPETITION

Call for Nominations

The Purdue University Chapter of Sigma Xi, the scientific research society, is conducting a Graduate Student Research Awards Competition in the format of a scientific poster session.

There will be a first prize of $200, provided by Sigma Xi and The Graduate School, and recognition for other outstanding posters in each of the four research areas:

- Physical Sciences
- Life Sciences
- Engineering
- Behavioral and Social Sciences

There will be one prize for each approximately 15 posters in a research area. In recent years, this has resulted in 2-3 top awards in both Life Sciences and in Engineering.

To participate:

1. Submit an abstract of your research by **11:59 pm, FRIDAY FEBRUARY 1, 2013**. These will be published in a booklet. Applications, in electronic format, should be submitted to HNZELAZ@purdue.edu from January 18 to February 1, 2013. Those who submit abstracts will receive detailed information about poster preparation.

2. Present a poster at the 2013 SIGMA XI GRADUATE STUDENT RESEARCH AWARDS COMPETITION POSTER SESSION in Steward Center, Rooms 214/218 on **Wednesday, February 13, 2013**. The session will run from **12:30 - 4:00 pm** (for poster set up and viewing) and **from 6:00 - 9:00 pm** (for presentation and judging). Presenters are requested to hang their posters by 4:00 pm and to be at their posters from 6:00- 8:30 pm to answer questions from the judges. Judging will be conducted.

3. Posters selected for award will be displayed at the Annual Sigma Xi Initiation Banquet to be held in the John Purdue Room in Stone Hall on April 3, 2013. In addition, all award winners and those highlighted for Honorable Mention will be invited to attend the banquet in recognition of their outstanding research endeavors.

This is an excellent opportunity to learn about the excellence and diversity of scientific research at Purdue as well as to make others aware of your contributions. All graduate students and post-doctoral researchers with appropriate research experiences are urged to participate in this competition.

**For additional information, please contact:**

Howard N. Zelaznik, Chairperson
Sigma Xi Graduate Student Research Awards Competition
Department of Health and Kinesiology
(765-494-5601 or hnzela@purdue.edu)
Acknowlegdement of Permission:

- Submit an abstract of your research in **MS Word format** by 11:59 pm, Friday, **February 1, 2013**. These will be published in a booklet. Forms should be submitted electronically to the email address listed below. Those who submit abstracts will receive detailed information about poster preparation as confirmation of abstract receipt.

- Present a poster at the 2013 SIGMA XI GRADUATE STUDENT RESEARCH AWARDS COMPETITION POSTER SESSION in Stewart Center, Rooms 214/218 on Wednesday February 13, 2013. Rooms will be open from 12:30-4:00 pm (for poster set up and viewing) and 6:00-9:00 pm (for presentation and judging). Presenters are requested to hang their posters by 4:00 pm and to be at their posters from 6:00-8:30 pm to answer questions from judges. Judging will be conducted by a panel of faculty selected from each of the above research areas.
Posters selected for an award will be displayed at the Annual Sigma Xi Initiation Banquet to be held in the John Purdue Room in Stone Hall in April 2013 (exact date to be announced). In addition, all award winners and those highlighted for Honorable Mention will be invited to attend the banquet in recognition of their outstanding research endeavors.

By submitting this form electronically, I hereby give my unrestricted permission for the Purdue University Chapter of Sigma Xi to reproduce this professional abstract in the 2013 Graduate Student Research Poster Award Competition abstract booklet. I also hereby certify and attest that I have approval from my Major Professor to submit this abstract, and I am the person specified in the abstract.

Please submit this form and your abstract in MS Word format via email to hnzelaz@purdue.edu on or before Friday February 1, 2013.

Please type or paste your abstract below (NEXT PAGE. DO NOT CHANGE FONT, MARGINS, ETC. ABSTRACTS WILL BE RETURNED IF YOU DO NOT FOLLOW FORMAT ... THANKS SO MUCH FOR YOUR UNDERSTANDING)

List all contributing authors and their affiliations; the title of your abstract, and the abstract (Note: the abstract itself can be no more than 250 words, this does not include title, authors etc.)
Title

Authors (Last Name, FI, Last Name, FI, *..)
Purdue Affiliation
Academic Community Engagement
Poster Presentation –
Call for proposals!

The Academic Community Engagement poster presentation will be displayed in the Krannert Drawing Room on **Tuesday, April 16th, 2013** from 9 a.m. – 5:00 p.m. Posters must be complete and brought to the building before 9 a.m. on April 16th. Posters can either be an individual or group effort. The posters shall reflect on how service learning/community engagement has affected you personally and academically. The poster can present any service learning and/or academic community engagement project from Spring 2011 to Spring 2013. If your service learning/academic community engagement project does not occur until the middle of Spring 2013, please provide an abstract of what you intend as your community service activity.

**Poster Guidelines:**

Posters need to reflect your community-based service learning/academic community engagement project which involves community service related to the class objectives. Each poster should address the following:

- **Information regarding the community partner that the student or group worked with.** If you share any particular information or pictures, make sure you have written permission from the nonprofit organization to display it.
- **Explain how your community service project affected the community in which you served, how the nonprofit benefited, and your owner personal reflection.**
- **Explain how this community service project increased your academic understanding of class objectives.**
- **Tri-fold cardboard mat or 3x4 feet poster board.**
- **Summarize the service learning experience (community service project related to the class you are enrolled in).**
- **Design should be eye-catching.**
- **A short title and a picture of presenters with a short bio (25 words per presenter) should be listed.**
Proposal submission

Please email your abstract of your poster to sassm@purdue.edu no later than March 1, 2013 (please use “Poster Proposal as the subject. This can be on a project you already completed or one you anticipate to be accomplished by April 16, 2013. The abstract should be no longer than 200 words. You will receive an email regarding acceptance no later than March 15, 2013. Please list your contact information and the class the project is related to. Have your professor (of the class you’re completing your service-learning/academic community engagement project) sign the bottom of this document for verification purposes.

Name:

Contact Information:

Course:

Abstract (limit 200 words):

I verify that _______________________________ completed or is in the process of completing said service-learning/community engagement project in my class.

Signature of class professor: ______________________________________________________

* Service-Learning, a subset of service-engagement, is a course-based, credit-bearing educational experience in which students:
(1) Participate in an organized service activity that meets identified community needs; (2) Use knowledge and skills directly related to a course or discipline; and (3) Reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of personal values and civic responsibility.

** Community Engagement describes the collaboration between institutions of higher education and their larger communities (local, regional/state, national, global) for the mutually beneficial exchange of knowledge and resources in a context of partnership and reciprocity (Carnegie Foundation for the Advancement of Teaching, 2012). The “academic” community engagement activity is connected with an academic course and its objectives.
MARCH 14 —15, 2013

- Private Interviews
- Multiple Short Courses
- Scientific Poster Contest
- SEG Challenge Bowl
- Company Booth Exhibits
- Field Trip
- Door Prizes

**GEOSCIENCES STUDENTS**

Go to [http://www.ou.edu/content/mcee/geology/student_expo.html](http://www.ou.edu/content/mcee/geology/student_expo.html) to register online! Submit resumes and abstracts via internal link.

**REGISTRATION OPEN NOW!**

**COMPANIES**

Review resumes and abstracts online. Booth space will be provided for company exhibits and rooms for private interviewing. Three sponsorship levels! Visit the website to register now [http://www.ou.edu/content/mcee/geology/student_expo.html](http://www.ou.edu/content/mcee/geology/student_expo.html).

**REGISTRATION OPEN NOW!**

See website for links to Expo AGENDA, host hotel, map, SEG Challenge Bowl details, short course descriptions, and poster guidelines,
4th Annual
Midwest Graduate Research Symposium

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

FREE

*Open 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
Title: Observations and experimental methods in an inhomogeneous atmosphere: How to make sense of meteorology in mountainous regions

Target Group: MICMoR Fellows, PhD students and Postdocs in atmospheric sciences/meteorology, also excellent Master students preferably with a more math-physics background

Date and Venue: Tuesday, 17 September - Thursday 26 September (8 days), Institute of Meteorology and Climate Research IMK-IFU in Garmisch-Partenkirchen

Type / Schedule: Block course / 8 full days

Number of Participants: 15 -30

Contents: Introduction to inhomogeneous atmospheres, relevant time and length scales, surface measurements, masts, vertical profiling from radiosondes and remote sensing, unmanned aircraft, path-averaged trace gas measurements, tomographic techniques, special environments (mountains, cities), practical exercises, hands on instruments, typical data processing

Competence / Didactic aim: overview of principal ideas of existing measurement techniques, principles of inversion procedures, examples of data post-processing, special aspects of measurements in mountain regions

Requirements: We expect the course participants to be familiar with basic atmospheric sciences or environmental sciences. They should also have good background maths skills (e.g. for descriptions of turbulence and in some of the methods for data analysis) and should be able to handle technical descriptions of remote sensing instruments (e.g. laser devices, pulsed signals).

What to bring: If possible each participant should bring a laptop, however some laptops can also be provided.

Work load: about 50 hrs presence during course + preparation time & writing of report after course
Lecturer in charge: Prof. Dr. Stuart Bradley, University of Auckland (NZ), head of this MICMoR Summer School, s.bradley@auckland.ac.nz

Additional Lecturers: Prof. Dr. Jens Bange (Tübingen), Prof. Dr. Mark Wenig (LMU), Prof. Dr. Stefan Emeis, Prof. Dr. Klaus Schäfer, Dr. Peter Werle (all KIT/IMK-IFU)

Costs: No participation fee; however external students must cover travel and accommodation costs

Registration and application: MICMoR Coordination Office, IMK-IFU Garmisch-Partenkirchen, email: info@micmor.kit.edu; www.micmor.kit.edu

Application requirements for non-MICMoR students: Please send a cover letter with statement of motivation, CV and a letter of recommendation from your PhD supervisor to the Coordination Office.

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<td>Vertical profiles with masts. Horizontal data from scintillometers. Radiosondes, tethersondes, unmanned small aircraft</td>
<td>Remote sensing from the ground #1</td>
<td>Remote sensing from the ground #2</td>
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<td>Complex environments #2: Complex orography. Examples. Challenges</td>
<td>Practical work. Analysis of some real data.</td>
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Tentative schedule for the MICMoR Summer School 2013 (as of January 2013)
“The Art of Science Learning”

Wednesday
February 13, 2013
10:30-11:30 a.m.

Harvey Seifter, Director/PI, Art of Science Learning
President, Seifter Associates

Discovery Park
Burton D. Morgan Center for Entrepreneurship
Room 121

Harvey Seifter is one of the world’s leading authorities on business creativity and arts-based learning. Over the past decade, he has brought arts-based approaches to innovation, high performance teamwork and cross-cultural communication to corporations such as IBM, AstraZeneca, Morgan Stanley, Siemens, Real Networks, Alcatel-Lucent, Honeywell, Johnson & Johnson, Chrysler, Novartis, Morgan Stanley, Goldman Sachs, BMW and McGraw-Hill; universities, including Columbia University Graduate School of Business (where he was on the Senior Executive Faculty 2002-05), University of California at Berkeley’s Haas School of Business, New York University’s Stern School, City University of New York/Baruch College, Stevens Institute of Technology, Hitotsubashi University(Tokyo) and the Université de Paris VIII.

Seifter has collaborated with major arts institutions and museums throughout the world including the Smithsonian Institution and Library of Congress in Washington; Carnegie Hall and Lincoln Center in New York; the National Gallery and Konzerthaus in Berlin; the Singapore and Hong Kong Arts Festivals; Opera City and Suntory Hall in Tokyo; Vienn’a Musikverein; the Concertgebouw in Amsterdam, and the Cité de la Musique in Paris. Over the years, he has partnered with PBS, NPR, NHK, CBC and Radio France to bring live programming to millions of viewers and listeners in North America, Europe and Asia.
CALL FOR PRESENTATIONS
Purdue Geotechnical Society Workshop
and the
11th G.A. Leonards Lecture:
“Organoclays: Novel Barrier Media for Managing Groundwater Flow
and Transport at NAPL-Contaminated Sites”
Prof. Craig H. Benson
University of Wisconsin-Madison
Friday, April 19, 2013, Krannert Auditorium, Purdue University, West Lafayette, IN

Registration required for workshop and banquet; lecture at 4:30p.m. free & open to the public.

Geotechnical Workshop
“Soilmakers: Engineering Soil for Geoenvironmental Applications”
8:00a.m.-4:00p.m, Purdue Memorial Union

Presentations are invited on soil modification techniques for addressing environmental problems, as well as related analysis, experimentation and field experience.

The concept of the workshop is of an informal forum where engineers, students, and faculty can interact and discuss matters of common interest. Members as well as non-members of the PGS are welcome. The goal is for all participants to share their professional experience through open dialogue and fruitful debate. Short presentations (20 minutes max.) will be scheduled with additional time for questions/discussion. The emphasis is on oral presentations and debate; no written papers will be required, nor proceedings published. Participants will receive abstracts at the meeting and have the opportunity to post highlights of their own presentation on the PGS Web site after the workshop.

Topics of interest include, but are not limited to:

Analysis & simulation  Ground modification  Recycled materials
Brownfields  Impact on tomorrow’s practice  Seepage control
Business practices  Instrumentation and sensors  Site assessment
Case histories  New technology assessment  Site remediation
Contaminant barriers  Porous- and biomaterials  Smart materials
Field testing  Quality control  Waste containment

For more information contact Philippe Bourdeau at bourdeau@ecn.purdue.edu

INTENTION TO MAKE A PRESENTATION:
Send an e-mail message and abstract to pgs@ecn.purdue.edu giving the following information by Friday, February 22:
What is Relay for Life?
A fun – filled 15 hour event in April where we raise money for the American Cancer Society, remember those who battled cancer, and fight back against this horrible disease!

Questions? Email us at cacteamdev@gmail.com

Join the fight against cancer!

Make a difference!

You do not need to have a team formed to come to the call-out! Just come to learn about Relay for Life and how you can get involved.
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
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/](http://igic.org/grants/)
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).