**EAPS SEMINAR/MEETINGS**

**Thursday, 4/18, 3:30 pm, HAMP 1252**


Refreshments, 3:00 pm, HAMP 2201

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**EAPS DEFENSES**

**Friday, 4/19, at 10:00 am, HAMP 2118**

**D. Sarah Stamps**, "Kinematics and Dynamics of Present-Day Nubia-Somalia Divergence Along the East African Rift.” Advisor: Lucy Flesch

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**EAPS PRESENTATIONS**

Ian Pope and Christine Kassab, PhD candidates, gave presentations at the AAG (Association of American Geographers) this week, April 9-13, in Los Angeles:


**Pope, I., Harbor, J.**, Shao, G., Snyder, L., Zanotti, L., Targeting conservation efforts in the Guatemalan cloud forest to enhance food security.

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**CAMPUS NEWS**

**DISCOVERY PARK NanoDays**

Educational Activities about Nanoscale Science and Engineering for students in Grades K-12

Volunteer at [www.nano.purdue.edu/nanodays](http://www.nano.purdue.edu/nanodays)

(See attached flyer)

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**NATIONAL RESEARCH COUNCIL of the NATIONAL ACADEMIES**

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at participating federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $80,000 per year for recent Ph.D. recipients, and higher for additional experience. Graduate entry level stipends begin at $30,000. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals.

Detailed program information, including online applications, instructions on how to apply and a list of participating laboratories, is available on the NRC Research Associateship Programs Website (see link above).

Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu.

There are four annual review cycles.

Review Cycle: **May**, Opens March 1; Closes May 1

Review Cycle: **August**, Opens June 1; Closes August 1

Review Cycle: **November**, Opens September 1; Closes November 1

Review Cycle: **February**, Opens December 1; Closes February 1

Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

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**Wetherill Chemistry Laboratory National Historic Chemical Landmark Dedication Ceremony**

The Department of Chemistry invites you to join us in April when the Wetherill Chemistry Building is recognized as a National Historic Chemical Landmark.

Friday, April 26, 2013 at 4pm

Remarks by:

**Timothy D. Sands**, Executive Vice President for Academic Affairs and Provost, Purdue University

**Marinda Li Wu**, President, American Chemical Society

(Reception will immediately follow the ceremony.)

More information and RSVP:

**Discovery Lecture Series**

Colonel Mark “Puck” Mykleby (USMC-retired) on “Sustainability: Our National Strategic Initiative.”

His presentation is on Earth Day, Monday, April 22nd, 2013 at 5:30 p.m. in Forney Hall of Chemical Engineering, G140. (See attached flyer)

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**EAPS FACULTY AND GRADS**

**PGS – 11th Leonards Lecture and PGS Workshop**

The Purdue Geotechnical Society is pleased to announce the 11th edition of the Purdue Geotechnical Workshop and 11th G.A. Leonards Lecture that will take place on Friday April 19, 2013 on the Purdue campus in West Lafayette, Indiana. The 2013 PGS workshop is entitled “Soilmakers: Engineering Soil for Geoenvironmental Applications.” The theme of the workshop is inspired by the topic of this year’s Leonards Lecture, in honor of Professor G.A. Leonards, a Purdue geotech faculty member from 1946 to 1991 and a great of the geotechnical engineering profession. The 11th G.A. Leonards Lecture entitled “ORGANOCLAYS: NOVEL BARRIER MEDIA FOR MANAGING GROUNDWATER FLOW AND TRANSPORT AT NAPL-SITES” will be delivered by Dr. Craig Benson, P.E., DGE, NAE, Wisconsin Distinguished Professor at the University of Wisconsin-Madison, a world-known expert, researcher and educator in the field of environmental geotechnics. The lecture, which is free and open to the public, will take place in the Krannert Auditorium at 4:30 p.m. The PGS is thrilled that Prof. Benson has agreed to present this year’s Leonards lecture as he embodies many of the qualities that made G.A. Leonards a legend as a professor and an engineer.

The workshop will precede the Leonards Lecture, starting at 8 a.m. in the Purdue Memorial Union. The program includes two keynote lectures: one by Prof. Krishna Reddy of the University of Illinois at Chicago, on modifying cover soil for controlling methane in landfills; the second by Dr. David Espinoza of Geosyntec Consultants who will tell us a tale of sludge lagoons. Other nine shorter presentations complete the program and cover a variety of exciting topics.

Support for the PGS workshop and Leonards lecture is provided, at the time of this announcement, by the following sponsors: Earth Exploration, ECS Ltd, Fugro Consultants, Golder Associates, Hayward Baker, Nicholson Construction, and Patriot Engineering & Environmental.

Three attachments: Leonards Lecture; PGS workshop program; & Registration Form. Information can also be found at [https://eng.purdue.edu/PGS](https://eng.purdue.edu/PGS) or by contacting Philippe Bourdeau at bourdeau@ecn.purdue.edu

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**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](http://www.nianet.org/larss)

(See the attached flyer for details)

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**VISITING FACULTY POSITION OPEN**

**WASHINGTON AND LEE UNIVERSITY**

The Geology Department at Washington and Lee University, Lexington, VA seeks applications for a one-year visiting professor position for the 2013-14 academic year. A PhD or ABD is required, and the position is open to all geoscience disciplines. The teaching load for the year will consist of two sections of Physical Geology and two topical/seminar courses in the applicant’s specialty. Applicants must be committed to high-quality undergraduate teaching. W&L is a nationally ranked, highly selective liberal arts college. The Department (geology.wlu.edu) is a member of the Keck Geology Consortium, and is committed to undergraduate research. The department has excellent facilities and resources and makes great use of the Appalachians in field courses and labs. Apply via email to wilsons@wlu.edu. Applications should include curriculum vitae, statement of teaching interests/experience, and contact info for 3 referees and be addressed to Search Committee, Geology Department, Washington and Lee University. Review of applications will begin immediately and continue until the position is filled. Washington and Lee and the Department of Geology are interested in candidates committed to high standards of scholarship and professional activities, and to the development of a campus climate that supports equality and diversity among its faculty, staff, and students. The University is an Equal Opportunity Employer.

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**GRADS AND POST-DOCS’ NEWS**

**THREE MINUTE THESIS COMPETITION (3MT) 2013**

The Graduate School would like to invite you to attend a research communication competition called the 3MT or 3 Minute Thesis. The competition provides students with the opportunity to distill their graduate research message, highlighting the wider implications of their research, without over-simplifying or ‘dumbing down’ the content. Students are challenged to present their graduate research in an engaging, compelling format to a general audience in just 3 minutes and using only one slide.

The competition is open to all disciplines across the university and all currently enrolled graduate students. Cash prizes will be awarded, including an award for the top presentation determined by an audience vote. For additional information please go to the Graduate School home page (www.gradschool.purdue.edu) and click on the news link.

The 3MT Competition will be held on April 17 at 7pm in Fowler Hall. (See attached flyer)

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**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)
GCC2013
7th GRADUATE CLIMATE CONFERENCE

MIT’s Program in Atmospheres, Oceans, and Climate and the Woods Hole Oceanographic Institution.

Who: Graduate students studying climate
What: 7th Graduate Climate Conference
When: November 1-3, 2013
Where: Woods Hole Oceanographic Institution
Woods Hole, MA

Email: gcc-2013@mit.edu
Website: http://gradclimateconf.mit.edu
Abstract Deadline: June 7, 2013
(See flyer for more details)

April Birthdays

Nat Lifton – 14th
Maarten de Hoop – 20th
Dayton Vincent – 23rd
Claire Chandler – 29th

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 (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.

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.
Purdue University Discovery Park
April 25-26, 2013
9 a.m. - 3 p.m.

Engage future nanoscientists!

NanoDays™

Educational Activities About Nanoscale Science and Engineering For Students in Grades K-12

Volunteer today at the website below.
nano.purdue.edu/nanodays

The first 100 volunteers to participate in NanoDays will receive a free t-shirt!
In 2011, while working for the Chairman of the Joint Chiefs of Staff, Mark Mykleby co-authored A National Strategic Narrative, which advocates that the United States should take on sustainability as a national strategic imperative for the 21st century.

The New America Foundation — defining grand strategy as the correlation of America's economic engine, its foreign policy, and its governing institutions to meet the great global challenge of the era — has developed a strategic framework to functionally and pragmatically implement this concept. In the face of the combined challenges of a burgeoning world population; ecosystem depletion at a scale never before seen; the ongoing global contained depression; and a resilience deficit within global economic and political systems, America's response must be to lead by example.

Colonel Mark “Puck” Mykleby, USMC (Retired)

Mark Mykleby was commissioned as a second lieutenant in the Marine Corps following his graduation from the United States Naval Academy in 1987. After serving as a naval aviator, he became a special strategic assistant to the Chairman of the Joint Chiefs of Staff. Now retired from the Marine Corps, Mykleby serves as a senior fellow at the New America Foundation.
The Langley Aerospace Research Student Scholars (LARSS) Research Internship Program
http://www.nianet.org/larss

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

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

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

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

Find additional LARSS information, application, and deadlines at http://www.nianet.org/larss
Graduate Students: Hone your communication skills, get feedback on your presentation style and win CASH PRIZES!

THREE MINUTE THESIS COMPETITION

Wednesday, April 17, 2013
Fowler Auditorium
Doors open at 6:45PM and competition begins at 7:00 PM
To learn more and register please visit
http://wwwdev.gradschool.purdue.edu/whatsnew/3mt.cfm
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
About the GCC

MIT’s Program in Atmospheres, Oceans, and Climate and the Woods Hole Oceanographic Institution are pleased to announce the 7th annual GCC, a unique conference for graduate students, organized and run by graduate students. The goal of the GCC is to provide a discussion forum for graduate students undertaking research on climate and climate change in an array of disciplines. The format is designed to encourage new climate scientists to become acquainted with the details of diverse areas of climate research and place their own research in the context of the climate science community.

Food, lodging and conference costs will be provided by our generous sponsors. Limited travel funding will be available on an as-needed basis. Applications open April 15 on our website.

Who: Graduate students studying climate
What: 7th Graduate Climate Conference
When: November 1-3, 2013
Where: Woods Hole Oceanographic Institution
Email: gcc-2013@mit.edu
Website: http://gradclimateconf.mit.edu
Abstract Deadline: June 7, 2013

Potential Sessions:

- Paleoclimate
- Cryosphere
- Clouds/Aerosols
- Hydrology
- Climate Policy
- Atmosphere/Ocean Dynamics
- Biogeochemical Cycles
- Ecosystems/Biosphere
- Climate Change Impacts
- Atmosphere/Ocean Chemistry