



November 15, 2010
Bi-weekly Newsletter
Issue 2.9



University of Southern California
Women in Science and Engineering Program (WiSE)

www.usc.edu/wise

WiSE Program
Upcoming Deadline

Spring 2010 Undergraduate Research Grants
Viterbi Deadline: TODAY, Monday, November 15, 2010

Fellowship Awards for Spring offer \$2,500 (\$2,000 for the student and \$500 for advisor support) and are intended to familiarize exceptional undergraduate students in the sciences, math and engineering with laboratory research and link them with a mentor early on.

To apply and get more information, please visit the WiSE website: [Undergraduate Research Grants](http://www.usc.edu/wise).

Calendar: WiSE
Networking Meetings

WiSE Faculty Networking Meetings

CHANGE IN DATE: Last Networking Lunch for Fall, meeting in HNB 107.

- Thursday, December 9th, 12pm (this will be the only meeting due to holidays/ end of semester)
- Bring your own lunch; cookies, coffee, and tea provided.

Calendar: Other Events

Computer Science Colloquium

Thursday, November 18, 2010, 3:30-5pm, SSL 150

CRA-W/CDC Distinguished Lecture Series: "Adaptive Drama Management: Bringing Machine Learning to Interactive Entertainment"

Speaker: Dr. Charles Lee Isbell, Jr., Georgia Tech

Go to [CS Colloquium](#) for more information.

EE PhD Women at USC 2nd Annual Thanksgiving Get-Together

Professor Michelle Povinelli's new house

Friday, November 19th, 7:30pm

- To get to know each other better
- For the women of USA to share the American tradition of Thanksgiving with those from abroad.
- Traditional healthy, homemade Turkey dinner with Vegetarian and Halal options
- Please let us know if you have any dietary restrictions and we will do our best to accommodate you.

Please RSVP to eephdwomenatc@gmail.com to get the directions to Professor Povinelli's new home (different than last year) and so that we have a good head count for the people that are going to attend.

3rd Annual Women in Math Symposium

Presented by EDGE Southern California mentoring network in collaboration with the Women in Math group at USC
Saturday, November 20th, 2010 at Pomona College in Claremont, CA

- Keynote Address: Asuman Aksoy, Claremont McKenna College
- Learn about the research of other women in Southern California
- The Symposium is free and parking and lunch will be provided but registration is required.

For more information and to register, please go to: <http://pages.pomona.edu/~kjs04747/WIMS/Site/WIMS.html>

Center for Applied Mathematical Sciences (CAMS) Distinguished Lecture

Friday, December 3, 3:30 PM - 4:30 PM, KAP 414

Charles Fefferman, Princeton University, CAMS Distinguished Lecturer

The Muskat Problem: The problem concerns the evolution of the interfaces between two or more fluids in a porous medium. The talk presents new phenomena arising when at least three fluids are present. (Joint work with several coauthors)

AWIS LAVC Events

- Career development seminar: Career Opportunities in Clinical Research
 - Presented by Dr. Rebecca Anderson; Amgen Conference Room, Thousand Oaks
 - **POSTPONED to January, 2011**
 - Holiday Party – Please save the date for our annual holiday party! Friday, December 3rd 7-10pm
- For more information: www.awislavc.org

6th Annual Undergraduate Women in Physics Conference

January 15-16, 2011 at USC

- Talks on various topics of physics
- Discussion groups on women in physics
- Learn about graduate studies and careers
- Meet physics students from several universities
- **Registration and meals Free!**
- Travel and lodging funds available

Registration information can be found at http://physics.usc.edu/~wiphys/conference11/main/Home_1.html

C-DEBI Announcement from Kai-Uwe Hinrichs and Fumio Inagaki

Upcoming deep biosphere research opportunity of the IODP Expedition 337.

The call for shipboard scientists is now open on the IODP website

Deadline is November 30.

XCall for shipboard scientists of IODP Expedition 337: Deep coalbed biosphere off Shimokita

Among the least characterized Earth systems that can be addressed by scientific ocean drilling are deeply buried hydrocarbon reservoirs in sediments along continental margins. In particular, the role of microbial activities for the formation and fate of these reservoirs remains poorly understood. We would like to advertise Expedition 337 of the Integrated Ocean Drilling Program (IODP), starting on 15th March, 2011. The objectives of Expedition 337 are focused on microbial and biogeochemical processes related to a deeply buried Eocene lignite-coalbed at ~2,000 mbsf as well as the paleoenvironmental history recorded at this deep site. Using the riser-drilling system on *DV Chikyu*, we will perform drilling down to 2,200 mbsf. The cored materials will include a regional Oligocene unconformity of terrestrial-marine sedimentary interface and the underlying Eocene lignite-sand layers. The wireline logging and in-situ sampling of deep formation fluids in lignite-sand layers are also planned. The expedition will unravel deep seafloor life and the biosphere in a habitat that has never been targeted by previous scientific ocean drilling. Spot cores at selected intervals, drill cuttings, and mud gas samples will be collected for scientific analyses, including onboard carbon isotopic analysis and radiotracer incubation experiments. After the completion of the riser hole, a separate hole will be drilled for high-pressure core sampling and the PCATS core transfer system under *in-situ* pressure. PCS will be attempted at selected intervals between 200-300 mbsf, retrieving possible methane hydrate-bearing sediments at the site. The call for application to sail is now available on the IODP website (www.iodp.org), and the application deadline is November 30. We hope to trigger the interest of potential candidates with expertise in the areas outlined in the call and look forward to your application.

Fumio Inagaki (JAMSTEC) and Kai-Uwe Hinrichs (University of Bremen)

-Co-chief Scientists of the IODP Expedition 337

Yusuke Kubo (CDEX, JAMSTEC)

-Expedition Project Manager

Radcliffe Science and Mathematics fellowship in 2011-2012, Radcliffe Institute for Advanced Study at Harvard University

Application Deadline: November 15, 2010

Typical fellows (outside the arts) are faculty, and fellowship stipends are targeted to complement sabbatical support from fellows' home institutions. ... We aim for a class diverse in many dimensions -- career stage (both senior and junior faculty), field, nationality, as well as gender. In the sciences, we also have been encouraging participation by researchers in national or industry labs, though as with academics, we expect home institutions to provide partial support. We do not ordinarily provide postdoctoral fellowships for various reasons, including the large number of alternative sources of funding for such positions.

The fellowship application is now on the web at <http://www.radcliffe.edu/fellowships/apply.aspx>

General fellowship information, including links to complete list of this year's fellows:

http://www.radcliffe.edu/fellowships/current_fellows.aspx and this year's schedule of fellows' presentations

at <http://www.radcliffe.edu/events/calendar.aspx>.

Glamour Magazine Top 10 College Women Competition

Deadline: December 1, 2010

Looking for dynamic young women with leadership experience, academic excellence and inspiring goals. Winners receive a \$5,000 cash prize, recognition in *Glamour* and a trip to New York City for an awards luncheon.

Any woman who is currently a full-time junior at an accredited college or university in the United States or Canada for the 2010—2011 academic year is eligible to enter.

To apply/ read about the accomplished former winners, go to: [Glamour Magazine Top 10 College Women of 2010](#).

L'Oreal USA Announces Call for Applications for 2011 L'Oreal For Women in Science Fellowship Program for Postdoctoral Researchers

Online Application Deadline: December 13, 2010

Now entering its eighth year, this national program annually recognizes, rewards and provides support to five women postdoctoral researchers in the U.S. who are pursuing careers in the life and physical/material sciences, as well as mathematics, engineering and computer science. As part of L'Oreal's commitment to further help women scientists achieve their goals, L'Oréal USA awards each recipient up to \$60,000 to apply toward their postdoctoral research.

The five beneficiaries of the 2011 **L'Oréal USA Fellowships For Women in Science** program will be invited to attend a week of events that include an awards ceremony, professional development workshops, media training and networking opportunities. In 2011, these workshops, which are facilitated by the American Association for the Advancement of Science (AAAS), will encompass job search techniques, interviewing skills, budget development for grant requests and strategies for peer-reviewed publication.

Candidates interested in applying may visit the **L'Oréal USA Fellowships For Women in Science** website at <http://www.lorealusa.com/forwomeninscience> to obtain more information about program eligibility and requirements. Applications must be submitted online by December 13, 2010 and transcripts must be postmarked no later than December 15, 2010.

Institute for Broadening Participation

Grad and Undergrad Programs funded by NSF and NASA

A variety of internships, fellowships, and scholarships nationwide in a wide range of STEM and related disciplines.

- **For Undergraduates:**

Paid Summer 2011 Undergrad Research Placements:

Over 400 programs - REU and Other Summer Research Opportunities for Undergrads

<http://www.pathwaystoscience.org/Summerresearch.asp>

- **For Financial Support in Graduate School Opportunities:**

Bridges, GK-12, IGERT and NSF Grad Research Fellowship programs provide generous stipend and tuition support for students through the National Science Foundation:

<http://www.pathwaystoscience.org/Grad.asp>

- **For Postdoc Opportunities:**

http://www.pathwaystoscience.org/Postdocs_portal.asp

- **For NASA-supported internships, fellowships and scholarships:**

<http://intern.nasa.gov/>

NSF grant sponsors US participants for the Women's International Research Engineering Summit (WIRES2) in Orlando, Florida, March 31-April 2, 2011

The upcoming WIRES2 (www.wiresnetwork.org) summit will focus on three research areas: engineering sustainable systems to deliver energy, clean water or health care. The *WIRES* summits are international summits for women who are interested in pursuing international collaborative researching opportunities. The main objective of these summits is to enable meaningful and sustainable research exchanges between female engineers from around the world while identifying issues faced by females pursuing careers in engineering that could benefit from a global strategy. The summit will be hosted by University of Central Florida in Orlando, Florida. Because of the funding from the National Science Foundation and corporate sponsors, there is no conference fee and there are travel grants available for US female participants. If you are interested in attending the summit or want more details, apply at our web site: www.wiresnetwork.org (click on the "Apply Now" button). If you know female researchers (faculty, post docs or graduate students) who may be interested in attending the summit, please forward this notification on to them.

Some of the goals of WIRES2 are to:

- Provide an opportunity to create personal, sustainable relationships among female engineers that will lead to collaborative research efforts.
- Identify common issues and provide a clear, visible pathway for females to pursue international collaborations.
- Identify methods of securing funding for international collaborations from federal agencies, international sources, the private sector, foundations, etc.
- Generate a database of female faculty who are interested in conducting international research.

Mary Lynn Realff marylynn.realff@ptfe.gatech.edu and Pamela McCauley-Bush

On behalf of the organizing committee

NEWS at USC

To see the USC WiSE News archives, please visit www.usc.edu/programs/wise/news/

One Bear of a Research Trip



USC College undergraduate Cara Magnabosco underwent rigorous survival skills training before her research in Svalbard, including what to do if confronted by hazardous weather or a polar bear. Good thing since a bear did meander into their base camp.

[Click here for the complete story.](#)

Professor Susan Forsburg receives 2011 Alice Evans Award



Susan Forsburg, Molecular and Computational Biology, is the recipient of the 2011 Alice Evans Award. In 1928, Alice C. Evans was elected the first woman President of ASM. The Roche Diagnostics Alice C. Evans Award was created in her memory to honor ASM members who have contributed to the full participation and advancement of women in microbiology.

Other News & Articles of Interest

Wising Up on STEM Completion

Inside Higher Ed, November 8, 2010

"For students studying science and engineering, gender is the biggest predictor of completion. At least half of women consider dropping out or aiming for a lesser degree during their doctoral studies because of issues stemming from discouraging advisers, uncomfortable work environments, sexist attitudes and other gender biases. That -- along with a persistent gender gap in the science, technology, engineering and mathematics fields -- is why researchers at Arizona State University spent the last four years creating a resource to support women in STEM: a website called [CareerWISE](#)"

[Click here for the complete story.](#)

...Other News & Articles of Interest

Why there are so few women in tech

Bloomberg News, November 9, 2010

“From self-confidence to motherhood and even parental discouragement, women in the technology industry confront obstacles that keep their numbers thin.”

[Click here for the complete story.](#)

Moms-to-be often fret about meshing work, pregnancy

USA Today, November 10, 2010

“Taking maternity leave is often fraught with anxiety for many working women. They wonder how much time off can they afford to take. Will taking longer than the standard six or eight weeks hurt their career? But in these unsettling economic times, that anxiousness has gotten worse for some women, who fear they may be fired because of their pregnancies or lose their jobs while on maternity leave and be unable to find other positions...”

[Click here for the complete story.](#)

Panel reviews lack of women in science, engineering fields

Brattleboro Reformer, November 13, 2010

“While the number of women in the science and engineering fields continues to grow, they are constantly outnumbered by their male counterparts, especially in the upper level jobs within science, technology, engineering and mathematics (known as STEM) professions.”

[Click here for the complete story.](#)

Girls encouraged to pursue careers in science, math

Amarillo Globe-News, November 14, 2010

“Elizabeth Fuentes bent over as she carefully added neat sutures to close a gaping hole in a piece of cloth. It turned out the 12-year-old seventh-grader at Westover Park Junior High School had a knack for stitching. ‘This one needs to become a surgeon,’ said obstetrician Teresa Baker, who was supervising nearby. ‘Look at those pretty stitches. She’s got some talent.’”

[Click here for the complete story.](#)

International Journal of Gender, Science and Technology

GST focuses on gender issues in and of science and technology, including engineering, construction and the built environment, and aims to explore the intersections of policy, practice and research. The latest issue has just been published and can be found at:

<http://genderandset.open.ac.uk/index.php/genderandset>

From all of us at WiSE, we wish you a
Safe and Stuffed
Thanksgiving Holiday!

Happy Thanksgiving!

