



March 25, 2011
Issue 2: 17

Women in Science and Engineering

www.usc.edu/programs/wise

WISE PROGRAM UPCOMING DEADLINES

CALENDAR, WISE UPCOMING EVENTS

WISEPROG@USC.EDU

UNDERGRADUATE RESEARCH GRANTS

Deadlines:

USC College: **April 1**
Viterbi: **April 1**

Award Amount: \$5,000 (\$4,500 for the student and \$500 for advisor support).

Directions: Submit online application.

Purpose: Up to fifteen Undergraduate Research Fellowships are granted each year in both the USC College and in the Viterbi School of Engineering to support summer and academic year research (Five awards each in the fall, spring and summer terms). The goal is to familiarize students with laboratory research and link them with a mentor early on. It is hoped that through the experience of first-hand research at the undergraduate level, the chances will increase that students will choose to pursue a graduate degree in science or engineering.

UNDERGRADUATE RESEARCH AWARDS:

APRIL 1

WISE FACULTY NETWORKING MEETING

Meetings held the last Thursday of the month at 12pm in HNB 107; **Thursday, March 31, 2011**. Bring your own lunch; cookies, coffee, and tea provided.

To see all the USC WiSE Grant Programs, including ongoing grants without specific deadlines, please visit:

<http://www.usc.edu/programs/wise/programs/>

WOMEN IN MATH

Date: **Thursday, March 24th**
Tea: 5pm in KAP 410
Talk: 5:30-6:30pm in KAP 414
Speaker: Ursula Whitcher,
Harvey Mudd College

“Mirror Symmetry Through Reflexive Polytopes”

There will be tea at 5pm in KAP 410, followed by the talk 5:30pm - 6:30pm in KAP 414, followed by dinner (only women invited to dinner).

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UPCOMING EVENTS AT USC

TWO - DAY GRANT DEVELOPMENT WORKSHOP

March 30 -31, 2011

University of Southern California
Los Angeles, CA

Learn from Professional Grant Writers how to prepare, write and secure grants from various funding agencies. We are finalizing the attendee list as we speak, if interested please visit our website or contact us at 1.877.414.8991 to register/ reserve seating. Additional discounts are available for groups that would like to participate in this interactive workshop.

USC PHD HOODING CEREMONY

Thursday, May 12, 2011,
9:30-11:30am Bovard Auditorium
Deadline to Register: **Friday, April 1, 2011**
Students Must Register!

The Ph.D. Hooding Ceremony, sponsored by The USC Graduate School, is the only University-wide event exclusively for Ph.D. recipients. Those Ph.D. candidates who graduated in December 2010 or who will graduate in May or August 2011 are eligible to participate. On February 11th at 2:00 p.m. (Pacific Time) the official 2011 Hooding Ceremony web page will be available for registration on The USC Graduate School website.

CONFERENCES/ WORKSHOPS

BUSINESS FOR SCIENTISTS

Kellogg Center for Biotechnology Executive Education course 2011

April 11-15, 2011

Designed to introduce scientists to business concepts and industry specific tools and frameworks. Basic knowledge in accounting, strategy, finance, and management will be covered and its relevance applied to the biomedical sector. The course will enable you to think of how innovation moves from bench to market. For more information:

<http://www.kellogg.northwestern.edu/biotech/execed/scientists.htm>

Contact:

Jeanne Laseman, Program Manager

847.491.5540

j-laseman@kelloggnorthwestern.edu

2011 SUMMER WORKSHOP ON COGNITIVE SCIENCE/NEUROSCIENCE AND THE HUMANITIES

The Center For Advanced Study in the Behavioral Sciences at Stanford University

Applications are being accepted: **January 27 - March 31, 2011.**

Generously funded by the Mellon Foundation, a limited number of fellowships are available for advanced graduate students and younger faculty to attend CASBS' 2011 Summer Workshop on Cognitive Science/Neuroscience and the Humanities. Held from July 25 - August 5, 2011, the workshop will consist of 10 days of tutorials and high-level exploration of the range of uses to which perspectives from the cognitive science and neuroscience may be put by scholars from the humanities. To apply, visit the CASBS website at:

<http://summerworkshop.casbs.org>

CRA-W TO HOLD CAREER MENTORING
WORKSHOP AT FCRC 2011

June 4-5, 2011

San Jose, CA

Deadline to apply for travel support: **March 25th**

Notification about travel support: **April 15th**

Early registration ends - on or around May 5th (check FCRC site for updates)

The CRA Committee on the Status of Women in Computing research (CRA-W) will sponsor a Workshop on Research Career Mentoring for Women in Computer Science and Computer Engineering at the 2011 Federated Computing Research Conference.

For more information about the workshop and to apply for financial support to attend, visit the workshop website:

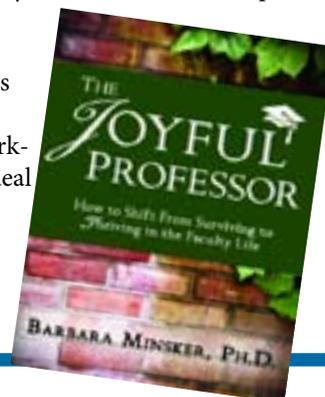
<http://cra-w.org/ArticleDetails/ArticleID/90>

JOYFUL PROFESSOR COACHING WORKSHOP
APRIL 1 - SEPTEMBER 9, 2011

The Joyful Professor Coaching Workshop is designed to help you be a successful professor while bringing work-life balance and joy into your academic world. Do you dread the start of a new semester and that sense of overwhelm? Are you not so excited about another round of faculty meetings and the endless list of chores that get in the way of reasons you chose a career as a professor in the first place?

Through a mix of one-on-one coaching and small-group discussion (limited to 8 participants), this workshop will help faculty members obtain greater control over their personal time, begin to live a healthy joyous lifestyle and gain greater productivity and passion in their professional life. The workshop will help you begin to shift from frantic and overwhelm towards your personal image of an ideal life.

The workshop will support participants as they work through the approach outlined in the book The Joyful Professor: How to Shift From Surviving to Thriving in the Faculty Life.



ELEVENTH INTERNATIONAL CONFERENCE ON
DIVERSITY IN ORGANIZATIONS, COMMUNITIES AND NATIONS

University of the Western Cape

Cape Town, South Africa

20-22 June 2011

Deadline for Applications: **April 7, 2011**

<http://www.ondiversity.com/conference-2011>

The Diversity Conference has a history of bringing together scholarly, government and practice-based participants with an interest in the issues of diversity and community. The conference examines the concept of diversity as a positive aspect of a global world and globalized society. Diversity is in many ways reflective of our present world order, but there are ways of taking this further without necessarily engendering its alternatives: racism, conflict, discrimination and inequity. Diversity as a mode of social existence can be projected in ways that deepen the range of human experience. The conference will seek to explore the full range of what diversity means and explore modes of diversity in real-life situations of living together in community. The conference supports a move away from simple affirmations that 'diversity is good' to a more nuanced account of the effects and uses of diversity on differently situated communities in the context of our current epoch of globalization.

FELLOWSHIPS/AWARDS

MARIE THARP FELLOWSHIP 2011-2012

*****Application Deadline: March 31, 2011*****

Overview: The Earth Institute and Lamont-Doherty Earth Observatory at Columbia University invite applications for the Marie Tharp Fellowship 2011-2012. This fellowship is part of a greater EI/LDEO effort at promoting the advancement of women scientists. The purpose of the award is to provide an opportunity for earth scientists to conduct research at Columbia University for a period of 3 months. Fellows will have an opportunity to work with faculty, research staff, post docs, and graduate students during their fellowship. Each fellow is expected to participate in EI/LDEO activities and make a scientific presentation during their residence.

The competition is open to junior and mid-career scientists in the earth sciences. Applicants must hold a Ph.D. at the time of application. The goal of this award is to promote women in science. Faculty (full-time or adjunct) and researchers at Columbia University are not eligible to apply.

Contact:

Dr. Kuheli Dutt

Assistant Director, Academic Affairs & Diversity

Lamont-Doherty Earth Observatory, Columbia University

61 Route 9W, Palisades NY 10964

Phone: 845-365-8603 Fax: 845-365-8162

Email: kdutt@ldeo.columbia.edu

Website: <http://www.ldeo.columbia.edu/academicaffairs>

USC OFFICE OF INTERNATIONAL SERVICES , INTERNATIONAL GRADUATION RECEPTION AND AWARDS CEREMONY

Friday, April 29th from 4-6pm

USC Radisson.

Applications Due: **April 8, 2011**

This ceremony will celebrate the academic achievements of our graduating students and recognize students, faculty and staff who have made considerable contributions to the USC international community.

OIS is now accepting applications and nominations for the following awards:

Academic Achievement Award

<http://sait.usc.edu/ois/workshops-events/ois-programs/graduation.aspx>

Student Leadership

<http://sait.usc.edu/ois/workshops-events/ois-programs/graduation.aspx>

Faculty and Staff

<http://sait.usc.edu/ois/workshops-events/ois-programs/graduation.aspx>

Please contact OIS at Intlgrad@usc.edu with any questions or concerns.

UNDERGRADUATES

USC'S UNDERGRADUATE SYMPOSIUM FOR SCHOLARLY AND CREATIVE WORK

Wednesday, April 13

Deadline to apply: **Friday, March 25**

First and second prizes of \$1000 and \$500 will be awarded in five categories:

- Arts
- Humanities
- Life Sciences
- Physical Sciences, Math & Engineering
- Social Sciences

Potential awards for Interdisciplinary and Innovative submissions!

This Friday's deadline is to enter the Symposium and provide information regarding your entry, but your poster or other work does not need to be submitted until Monday, April 11.

The Symposium itself takes place this year on Wednesday, April 13. The submission exhibit hours are 11am-2pm on that day, with a banquet to honor entrants and their faculty sponsors scheduled for the same evening.

If you have questions about the Symposium, please contact Dr. David Glasgow at dglasgow@usc.edu.

Sincerely,
Gene Bickers

Vice Provost for Undergraduate Programs
University of Southern California

UNIVERSITY OF PENNSYLVANIA SCHOOL OF VETERINARY MEDICINE

Rabbits help lower cholesterol. Cats may lead to a breakthrough in the AIDS epidemic. And dogs have taught doctors new heart surgery techniques. Even lobsters help scientists understand Parkinson's disease. Since the turn of the last century, animal research has helped wipe out such diseases as smallpox and polio while increasing the human lifespan by 28 years. Whether it's fighting epilepsy, finding a cure for Alzheimer's or making progress in brain and spinal cord trauma, the link between human health and animal health is absolutely crucial.

The University of Pennsylvania School of Veterinary Medicine provides an outstanding environment for the training of future veterinary scientists through our combined VMD-PhD program. It's an excellent way for you to continue your education while impacting the future of medicine for humans and all species.

Who knows what today's research could do for future generations? Find out more by visiting:

www.PennVetPhD.org

STUDENT RESEARCHER NEEDED

Dr. Ite A. Laird-Offringa, Ph.D, Director, Programs in Biomedical and Biological Sciences at the University of Southern California is looking for a highly motivated student researcher who would like to obtain research experience through volunteering in a research project in the Laird-Offringa lab at the Norris Cancer Center at the USC Keck School of Medicine. The student would participate as a real member of our research team. We envision she would work with us in her junior and senior years and the intervening summer, establishing a track record of research that will be highly beneficial for her future career in biological or biomedical research.

Serious candidates should contact WiSE Program Manager, Sarah Fried-Gintis at sfried@usc.edu for an application which will be emailed to Dr. Ite Laird-Offringa,.

Visit USC's PhD Program In Biomedical and Biological Sciences (PIBBS) at:

<http://www.usc.edu/programs/pibbs/site/>

And the Laird-Offringa PIBBS site at:

http://www.usc.edu/programs/pibbs/site/faculty/lairdoffringa_i.htm

VERIZON SCHOLARSHIP AWARDS PROGRAM

Application Deadline: **March 30, 2011**

The Asian Pacific Community Fund (APCF), first established in 1990 and now a network of 29 community organizations focused on transforming the lives of Asian and Pacific Islanders throughout Los Angeles County, is partnering with Verizon to offer \$20,000 in scholarships for students attending a 4-year accredited college. This year, the first in the program, they are offering 20 - \$1,000 awards to students based on merit and essay questions. The first cycle for the scholarship program consists of 8 awards targeting first-year college students whose majors are math, sciences, engineering, or related field. The deadline for the first cycle is March 30th, 2011.

For more information: www.apcf.org.

Contact WiSE Program Manager, Sarah Fried-Gintis, for Additional Informational Materials, sfried@usc.edu



Women in Science and Engineering

The Mission of the Los Angeles and Ventura County Chapter of AWIS is to foster the personal and professional skills of women so they can become leaders in their field, support women at all stages of their career through career development workshops, networking opportunities, social gatherings, and specific mentoring programs, promote a collegial environment where women from different disciplines and employment sectors, feel confident to share their experience, advice, and expertise for the benefit of all members.

BIOFUELS AND GREEN ENERGY SCIENTIFIC PANEL DISCUSSION

Interested in green energy and the future of biofuels? We have assembled a panel of speakers that will give you the low-down on what's happening in this cutting edge field and tips on how you can get your foot in the door.

Date: **March 31**

Time: evening (TBA)

Location: Ceres, Inc. 1535 Rancho Conejo Boulevard,
Thousand Oaks, CA 91320

RSVP here: <http://tinyurl.com/AWISBiofuelsRSVP>

SOLSTICE CANYON HIKE

As the LA weather warms up, come join AWIS ladies on Saturday, April 9th for a family friendly hike through Solstice Canyon in Malibu! This 3-mile round-trip trek starts off on the Rising Sun Trail with spectacular ocean views and leads you past the Tropical Terrace covered in exotic plants and stunning pools. The hike continues past the ruins of a 1960's home destroyed in a fire and culminates in a 30ft waterfall! This hike is rated as "easy" so grab sunscreen, a picnic lunch and water, and bring family, friends, significant others, children and even pets for a fun afternoon!

When: **Saturday, April 9th** at 11am

More information: http://www.localhikes.com/Hikes/SolsticeCanyon_4472.asp

RSVP: <http://tinyurl.com/AWISSolsticeCynHikeRSVP>

MINDFULNESS SEMINAR

Save the date of **Thursday, April 28** for a wonderful workshop put on by UCLA's Marvin Belzer of the Mindfulness Awareness Research Center (MARC). RSVP link available soon on www.awislavc.org.

SAN DIEGO WEST EVENT

Saturday, May 14

The Women In Science and Technology Conference is:

- A one-day symposium focusing on career and personal development, as well as peer networking
- Inspiring, prominent keynote speakers
- Exciting and informative workshops, round-tables, and seminars for individuals at all stages of their careers in both academia and industry
- An excellent opportunity to network, develop new skills, and explore career opportunities with 300 attendees from the scientific community

It's purpose is to empower women in STEM at all levels to enhance their careers through networking, discussion of relevant career development topics, and exposure to a wide range of specialities within STEM.

As we enter a new decade now is the opportunity to make positive changes in our careers and lives!

Contact Kathy for more information. We will be organizing carpools to go.

PANEL DISCUSSION

MARCH 31

HIKE:

APRIL 9

SEMINAR:

APRIL 28

SAN DIEGO EVENT:

MAY 14

WORK CLIMATE THE MAIN REASON
WOMEN LEAVE ENGINEERING,
SURVEY SUGGESTS

ScienceDaily (Mar. 10, 2011) — Women who leave engineering jobs after obtaining the necessary degree are significantly more likely to leave the field because of an uncomfortable work climate than because of family reasons, according to a study being undertaken at the University of Wisconsin-Milwaukee (UWM).

Nearly half of women in the survey who left an engineering career indicated they did so because of negative working conditions, too much travel, lack of advancement or low salary, the study shows.

For the full article, visit:

<http://www.sciencedaily.com/releases/2011/03/110310101341.htm>

GAINS, AND DRAWBACKS,
FOR FEMALE PROFESSORS

The New York Times, CAMBRIDGE, Mass. (March 21, 2011) — When the Massachusetts Institute of Technology acknowledged 12 years ago that it had discriminated against female professors in “subtle but pervasive” ways, it became a national model for addressing gender inequity.

Now, an evaluation of those efforts shows substantial progress — and unintended consequences. Among other concerns, many female professors say that M.I.T.’s aggressive push to hire more women has created the sense that they are given an unfair advantage. Those who once bemoaned M.I.T.’s lag in recruiting women now worry about what one called “too much effort to recruit women.”

For the full article, visit:

<http://www.nytimes.com/2011/03/21/us/21mit.html?ref=education>

ALASKA WOMEN IN SCIENCE ON BE-
ING WOMEN IN SCIENCE

by Ned Rozell/ Alaska Science Forum Fairbanks
Daily News Miner
Mar 20, 2011

Fairbanks Daily News-Miner, FAIRBANKS, AL. (March 20, 2011) - One woman listened as a male professor told her she should not go to graduate school because she would be depriving a man of an opportunity to support his family. Another had to nix her male colleagues’ chivalrous notion of slinging a porta-potti by helicopter to the volcano she was studying. A third was told she could not be promoted to supervisor because men don’t like being supervised by women.

For the full article visit:

<http://mobile.newsminer.com/bookmark/12412080-Alaska-women-in-science-on-being-women-in-science>

THEN AND NOW:
WOMEN MAKE SCIENCE HISTORY

The Charlotte Observer, (March 20, 2011) -- “ Well behaved women rarely make history.” - Laurel Thatcher Ulrich

Recently at N.C. State University, the Women in Science and Engineering (WISE) program welcomed prospective freshmen to campus. I was privileged to moderate their afternoon program, where several hundred parents and students learned about this unique mentoring program to inspire more women as science majors.

Current undergraduates spoke in glowing terms about how the WISE Village, a residential community on campus, offers special out-of-class experiences to develop skills in science and foster careers.

For the full article, visit:

<http://www.charlotteobserver.com/2011/03/20/2158908/then-and-now-women-make-science.html#ixzz1HYftyZWD>

Earth Sciences, Biological Sciences (Division of Marine Environmental Biology),
WiSE and the Center for Deep Energy Biosphere Investigations (C-DEBI) are hosting:

Dr. Brandy Toner,

a 2011 Ridge 2K Distinguished Lecturer

May 18 and 19, 2011

Dr. Toner will give two lectures:

Science Community Lecture: May 18 at Noon, ZHS200

“Integrated nested-scale biogeochemistry of hydrothermal plumes at a back-arc spreading center”.

Abstracts: Hydrothermal venting associated with mid-ocean ridge volcanism is globally widespread. Hydrothermal plumes created by this venting represent a dynamic biogeochemical interface between the sub-seafloor and deep ocean that is poorly understood in terms of process-level mechanisms and global ocean implications. Advancing understanding of the role of plume processes in global ocean biogeochemistry requires highly integrated, multi-disciplinary research that accesses physical, chemical, and biological properties within individual buoyant plumes. In addition, comparisons among plumes in a given vent field, and among vent fields representing a continuum of geophysical and geochemical conditions are essential. To address this research need, a large nested-scale research program focused on hydrothermal vent fields along the Eastern Lau Spreading Center has begun. During June-July 2009, rising plumes at Kilo Moana, ABE, Tahi Moana, Mariner, and Tui Malila vent fields were sampled at discrete elevations for geochemistry, metal speciation, mineralogy, and microbial ecology. The trajectory of oxidation-reduction sensitive elements as they move through a buoyant plume at ABE vent field will be highlighted. In terms of global ocean elemental fluxes, hydrothermal vent plumes represent a critical oceanic interface where biogeochemical processes leading to particle formation, surface reactivity, and dispersal are poorly constrained.

General Public Lecture: May 19 at 11am, HNB auditorium (HNB100)

“Can iron from deep-sea hot springs fertilize the oceans?”

The global mid-ocean ridge system is a 60,000-km volcanic chain that crosses the floor of all major ocean basins on Earth. Dispersed along this baseball seam are deep-sea hydrothermal vents that release hot fluids rich in iron and other reduced chemicals. Every year, the iron released to the ocean by hydrothermal venting at the seafloor is approximately equal to all of the iron flushed from the continents by rivers - this is a lot of iron. With all of this iron entering the oceans, how do we explain the large regions of the global ocean where iron availability is so low that it limits life? The key to understanding iron mobility and bioavailability is the specific chemical form of the iron. In this lecture, I will discuss current scientific understanding of the chemistry and biology of hydrothermally derived iron. I will also highlight recent research discoveries that demonstrate the limits of current understanding and examine the rich complexities of iron biogeochemistry in the deep ocean.