



## USC Women in Science and Engineering Newsletter

March 8, 2010 (Published Bi-Weekly)

Issue 1.4

### WiSE Program Upcoming Deadlines

#### 2010 Viterbi WiSE Merit Award for Current Ph.D. Students

**DEADLINE EXTENDED FOR NOMINATIONS: \*\*Friday, March 12, 2010 \*\***

Find more information online: [Merit Fellowship for Current Doctoral Students](#)

#### Summer 2010 Undergraduate Research Grants (College and Viterbi)

**Thursday, April 1, 2010**

Find more information online: [Undergraduate Research Grants](#)

### Calendar: WiSE 10<sup>th</sup> Anniversary Speaker Series

A complete list of the Speaker Series can be found at: [10<sup>th</sup> Anniversary Speaker Series](#).

#### Tuesday, March 23<sup>rd</sup>

- **Mary Ann Moran** (University of Georgia)
- Marine Biology: Functional Metagenomics Tackles the Marine Carbon Cycle
- Torrey Webb Room, AHF, 12:00pm:
- *Roundtable for students on Monday, March 22<sup>nd</sup>, 4pm, Torrey Webb Room of AHF, hosted by WiSE and MEB. All are welcome.*

#### Monday, April 12<sup>th</sup>

- **Ellen Druffel** (UC Irvine)
- Earth Sciences: The dynamic nature of organic matter in the ocean
- ZHS 159, 3:30pm
- *Reception at 4:30pm in ZHS 118, following the lecture, hosted by WiSE. All are welcome.*

### Calendar: WiSE Faculty Networking Meetings

**Thursday, March 25<sup>th</sup>, HNB 107** **\*\*[Special Invitation for USC WiSE Postdocs to Attend March Meeting](#)\*\***

**Thursday, April 29<sup>th</sup>, HNB 107**

### Calendar: Other Events

#### Association for Women in Science, LA/ Ventura County Chapter, [www.awislavc.org](http://www.awislavc.org)

March 10, 2010, 5:30-7:30pm, The Edison: Social/ Networking Event

AWIS LAVC's first networking / social event of 2010 will be on March 10 at The Edison in downtown LA. Please join us for happy hour and meet some of the newest AWIS members! We'll try to be at the bar to the left (if you're standing at the bottom of the stairs). Do note that there is a dress code ([www.edisondowntown.com](http://www.edisondowntown.com)).

Please contact Erin Denny ([edenny@coh.org](mailto:edenny@coh.org) / 626.483.1226) with questions and to RSVP.

**National Postdoctoral Association (NPA): National Summit on Gender and the Postdoctorate**

March 10-11, 2010 at the Sheraton Philadelphia University City Hotel

The purpose of the summit is to address the issues that women face when attempting to transition from postdoc to faculty. Although women and men are roughly represented 50-50 at the postdoctoral level, there is a precipitous decrease in the number of women faculty. The NPA's purpose for hosting this event is to define the issues women face when transitions from postdocs to faculty and to find ways for the NPA and member institutions can better support women in this transition in the hopes of correcting this national disparity. <http://www.nationalpostdoc.org/meetings-and-events/advance-summit>

**National Postdoctoral Association (NPA): Annual Meeting**

March 12-14, 2010

Following the National Summit on Gender and the Postdoctorate, the NPA will hold its annual meeting from March 12th through the 14th, 2010 in Philadelphia. The event is being hosted by U Penn, Thomas Jefferson, Drexel, CHOPs, and Temple. The keynote speaker of the event is Francis Collins, M.D. Ph.D., director of the National Institutes of Health. See the website for more details:

<http://www.nationalpostdoc.org/meetings-and-events/annual-meeting/2010-annual-meeting>.

**ACE Southern California Network: Inaugural Women's Leadership Forum**

March 19, 2010, California State University San Marcos, The McMahan House

Your Journey: Ready, Set, Go!

Join the ACE Southern California Network for a day of networking and professional development with Keynote addresses, a Leadership Panel, and networking with faculty and administrators from the Southern California Region. The program promises to be very interesting with a keynote address by Donna Burns Phillips, Director of the ACE Office of Women in Higher Education. Biographical information for Dr. Phillips and the other speakers can be found at the following link:

<http://www.csusm.edu/owhe/leadershipforum/presenters.html>.

Registration rate is \$50.00 and includes a continental breakfast, lunch, parking, and conference materials. If you are unable to join us in-person but would still like to view the keynote address and leadership panel we have a special webinar rate of \$20.00. *Space is limited to 75 women.*

Registration link: <http://www.csusm.edu/owhe/leadershipforum/index.html>.

**11<sup>th</sup> Annual Women in Higher Education Luncheon**

March 25, 2010, USC Davidson Continuing Education Conference Center, Embassy Room

Speaker: Diana Nyad, American Swimmer, World Record Holder

Thursday, March 25, 2010, 12-2pm

Please RSVP to [cfr@usc.edu](mailto:cfr@usc.edu) or (213) 740-8286 and (213) 740-1739.

More details [here](#). Website: [www.awislavc.org](http://www.awislavc.org).

**Kellogg Center for Biotechnology - Executive Education: Business for Scientists**

April 12-16, 2010

*BUSINESS FOR SCIENTISTS* is 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 info: [Executive Education: Business for Scientists](#), or contact Jeanne Sheppard:

[jsheppard@kellogg.northwestern.edu](mailto:jsheppard@kellogg.northwestern.edu).

**ACE Southern California Network: Free Webinar Series**

April 15, 2010, 11:30am - 12:30pm

Topic: From the Inside Out... Meeting Today's Leadership Challenges

Presenter: Dr. Soraya Coley, Provost and Vice President for Academic Affairs, CSU Bakersfield

Register for webinars at: <http://lynx.csusm.edu/cascade/forms/owhe.asp>.

Please go to the [Opportunities of Interest](#) page of the WiSE website for a complete list of opportunities.

### Summer 2010 Fluid Power Scholars - Industry Internship Program

**\*\*EXTENDED Application Deadline: Wednesday, March 10, 2010\*\***

The Fluid Power Scholars Program is a collaborative effort between the NSF Engineering Research Center for Compact and Efficient Fluid Power (CCEFP, <http://www.ccefp.org>) and companies in the fluid power industry who are corporate members of the CCEFP. It is open to undergraduates who have successfully completed at least two years in an accredited engineering program in the United States.

The Scholars program begins with an intensive three-day instructional program in fluid power, taught at the Fluid Power Institute at the Milwaukee School of Engineering (MSOE) June 1-3, and follows with internships in the fluid power industry, for a total of 10-11 weeks. In addition to their paid internships, scholars will receive stipends for travel and living expenses associated with their work at MSOE.

Apply online at: [www.ccefp.org/get-involved/students/fluid-power-scholars-program](http://www.ccefp.org/get-involved/students/fluid-power-scholars-program).

### NEESreu Program, Summer 2010

**Application Review begins March 15, 2010**

The George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) is a network of experimental sites across the country designed to enhance engineers' and scientists' potential for discovery and collaboration.

The NEESreu is a dynamic 10-week summer research program for upper division undergraduate students interested in civil engineering, computer science/ engineering, seismic risk mitigation, or engineering education. The program period runs from June through August, with exact dates depending upon location. Students receive a \$5,000 stipend inclusive of housing expenses. Visit [www.nees.org](http://www.nees.org) for more information on the laboratory sites.

Apply online at: [www.nees.org/education/resources/undergrad/](http://www.nees.org/education/resources/undergrad/).

### NSF Engineering Research Center for Compact and Efficient Fluid Power (CCEFP) Research Experiences for Undergraduates (REU)

**\*\* EXTENDED Application Deadline: Friday, March 19, 2010 \*\***

This program allows undergraduates to gain hands-on experience in conducting original research and apply it to cutting edge applications in fluid power and related disciplines. Students have a diverse range of majors, experiences and interests. Students work in a university research lab on a project related to fluid power along with a faculty advisor with expertise in the field. Projects may involve background reading of technical literature and reports, computer-aided design, mathematical modeling, fabrication designs, experimental testing and group discussions and project team meetings. Every student has a project of their own with specific responsibilities and deliverables. At the end of the summer, every student creates a scientific poster and a project report. In addition, there is a program of professional development and social activities with other REU students.

REU positions are available at Georgia Tech in Atlanta, University of Illinois in Urbana-Champaign, University of Minnesota in Minneapolis, Milwaukee School of Engineering in Milwaukee, North Carolina A&T State University in Greensboro, Purdue University in West Lafayette, IN and Vanderbilt University in Nashville, TN.

Get more details/ apply at: [www.ccefp.org/get-involved/students/research-experiences-undergraduates-reu](http://www.ccefp.org/get-involved/students/research-experiences-undergraduates-reu).

### ASEE/NSF Corporate Research Postdoctoral Fellowship for Engineers Program

**DEADLINE: ASAP**

This program will allow 40 highly qualified recent engineering Ph.D. recipients to conduct meaningful, innovative research at some of the nation's foremost research-performing companies. The program provides \$50,000 toward stipend expenses and \$6,500 toward health insurance for each one-year fellowship, and requires that the host corporation pay just \$25,000 toward the stipend and a \$2,500 administrative fee, so fellows will receive a minimum of \$75,000 for one year at a leading-edge corporate laboratory. Host companies currently include HP, IBM, and number of others.

Fellowships will be awarded to the first 40 successful matches made between the company and applicant, with the companies making the selection decision.

At the time of application, research fellows must hold a Ph.D. awarded in an engineering field within the last three years and be U.S. citizens, U.S. nationals, or permanent residents. Interested applicants should begin the process at <https://aseensfip.asee.org/apply/sessions/new>.

Additional program details, along with a sample host agreement, can be found at <https://aseensfip.asee.org/>.

For further information, contact Tom Juliano at [aseensfip@asee.org](mailto:aseensfip@asee.org) or (202) 331-3517.

## **NEWS at USC**

### **USC Awarded \$25 Million NSF Grant**

USC News 2/19/10

“Katrina J. Edwards, professor of biological sciences and Earth sciences at USC College, has been recommended for an award of a \$25 million National Science Foundation grant to establish the Center for Dark Energy Biosphere Investigations, a new science and technology center.”

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

### **USC Viterbi Professors Lead Underwater Research**

USC News 2/25/10

“Professor Urbashi Mitra, of the Ming Hsieh Department of Electrical Engineering, an authority on wireless communications, is the lead principal investigator [in an effort] to find an effective way to use a network of autonomous vehicles in dynamic environments, using advanced sensing technology. Her novel effort is the first to tackle such a myriad of challenges in an underwater environment...”

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

### **USC Sea Grant Director, Linda Duguay, Headed to China**

USC News 3/1/10

“Linda Duguay, director of the USC Sea Grant program, has been selected to participate in a National Science Foundation workshop in China to discuss a foundation-supported ocean science education project and its possible application to outreach efforts by Chinese scientists and educators.”

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

## **Other News & Articles of Interest**

### **Introducing Computer Engineer Barbie! Barbie Unveils Her 125th & 126th Careers**

Chip Chick, 2/12/10

“...Mattel unveiled Barbie’s 125th and 126th career which was decided based on votes that poured in from her fans all over the world. News Anchor Barbie won the Girls’ vote and became Barbie’s 125th career in Barbie’s I Can Be doll series, but Barbie also unleashed a surprise on us – Barbie’s 126th career...Computer Engineer Barbie.”

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

### **Crack the Code to Women in Science with Secret Ada**

Wired Magazine, 2/23/10

“To exercise your brain and learn about a few dozen women scientists, check out Secret Ada, a fun and educational app for the iPhone/iPod Touch. It contains short profiles of women who have contributed to and made achievements in science. The catch here, though, is that you have to solve cryptograms to unscramble the profiles. It’s an exercise in pattern recognition that is sure to delight.”

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

### **March 8, 2010: International Women’s Day**

“International Women’s Day (8 March) is a global day celebrating the economic, political and social achievements of women past, present and future. In some places like China, Russia, Vietnam and Bulgaria, IWD is a national holiday. The first IWD was run in 1911. Next year is IWD Global Centenary 1911-2011.”

<http://www.internationalwomensday.com/>

### **March is Women’s History Month**

March 2010: Writing Women Back into History

NY Times/ The Learning Network, 3/1/10

“In 2009, [three women won a science Nobel Prize](#). What does this say about the status of women in the field of science? Are there more opportunities for them? Are they better off than in the past? Read and compare the articles:

[“Women Bridging Gap in Science Opportunities”](#),

[“Women in Science: The Battle Moves to the Trenches”](#), and

[“A Conversation With Carol W. Greider: On Winning a Nobel Prize in Science”](#).

You might also view the [video interview with a development biologist on the state of women in science](#), as well as consider [the effects of bias in the field](#). Then prepare for and engage in a debate on whether prospects for female scientists have improved.”

[Click here for more resources & information from the NY Times learning blogs.](#)