



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

[www.usc.edu/wise](http://www.usc.edu/wise)

WiSE Program  
Special Announcement

**Professor Leana Golubchik named Director of WiSE**



Please join us in congratulating Leana Golubchik on her appointment as Director of the USC WiSE Program! Follow the link to see the announcement memo from Interim Provost Beth Garrett. We all look forward to working with Leana in this coming year on important WiSE initiatives and programs. Congratulations, Leana!

[WiSE Announcement: Leana Golubchik appointed as Director of WiSE](#)

Calendar: WiSE Events

**2010 WiSE Fall Library Program**

The USC Women in Science and Engineering Program  
together with the USC Science and Engineering Library  
presents

**2010 Fall Library Program and Orientation for  
WiSE Faculty, Students, and Postdocs**

Thursday, September 16, 2010

11:00 a.m. – 1:00 p.m.

Science and Engineering Library

Space is limited, **RSVP required** by today, Monday, September 13, to [wiseprog@usc.edu](mailto:wiseprog@usc.edu)

[Click here for more information](#)

**2010 WiSE Distinguished Lecturer: Dr. Rita Colwell**

Friday, October 22, 2010

Lecture: 2pm

Reception: 3pm

Recent winner of Stockholm Water Prize:

Chemical and Engineering News (<http://pubs.acs.org>)

[Click here for more information about Dr. Colwell and the lecture.](#)

Calendar: WiSE  
Networking Meetings

**WiSE Faculty Networking Meetings**

- WiSE Hosted Lunch and Welcome to New Faculty, University Club: PUB Room
  - Thursday, September 30<sup>th</sup>, 12pm
  - RSVP to Amanda at [amanda.urias@usc.edu](mailto:amanda.urias@usc.edu)
- Networking Lunches for Fall, HNB 107. Bring your own lunch; cookies, coffee, and tea provided.
  - Thursday, October 28<sup>th</sup>, 12pm
  - Thursday, December 2<sup>nd</sup>, 12pm (beginning of month due to holidays/ end of semester)

**WiSE Postdoctoral Networking Group**

- **NEW DATE/ LOCATION:** Friday, Sept 24, 12pm - 1:30pm, AHF 410: meet with Karla Heidelberg to learn what to do once you have a faculty position

## Opportunities

### Grace Hopper Celebration of Women in Computing "Collaborating Across Boundaries"

Atlanta, Georgia; September 28 - October 2, 2010

The Grace Hopper Celebration of Women in Computing is a series of conferences designed to bring the research and career interests of women in computing to the forefront. Presenters are leaders in their respective fields, representing industrial, academic and government communities. Leading researchers present their current work, while special sessions focus on the role of women in today's technology fields, including computer science, information technology, research and engineering.

Past Grace Hopper Celebrations have resulted in collaborative proposals, networking, mentoring, and increased visibility for the contributions of women in computing.

For more information, visit <http://gracehopper.org/2010/>.

### The Inaugural USA Science & Engineering Festival, hosted by Lockheed Martin Washington, D.C., October 10-24, 2010

This is the country's first national science festival and descends on the Washington, D.C. area in October 2010.

Opening on 10/10/10 with a [concert of amazing science songs](#) performed by over 200 children and adults at the University of Maryland, the Festival promises to be the ultimate multi-cultural, multi-generational and multi-disciplinary celebration of science in the United States. The culmination of the Festival will be a free, [two-day Expo](#) on the National Mall and surrounding areas that will feature over [1500 fun, hands-on science activities](#) and over [50 stage shows and performances](#) on four stages. The Festival is a grassroots collaboration of over [500 of the nation's leading science organizations](#).

For more information, visit <http://www.usasciencefestival.org/#>.

### Ford Foundation Fellowship Programs

#### Application Deadlines: Early November 2010

Ford Foundation Fellowship Programs are designed to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students. Stipends of \$20,000 - \$40,000 for predoctoral, dissertation, and postdoctoral applicants.

For additional information and applications, contact:

National Research Council of the National Academies  
500 5th Street NW, K576  
Washington, DC 20001

Phone: (202) 334-2872; Fax: (202) 334-3419; E-mail: [infofell@nas.edu](mailto:infofell@nas.edu)

See Web site for complete eligibility information: <http://national-academies.org/fellowships>

## News & Articles of Interest

### NEWS at USC

To see the USC WiSE News archives, please visit [www.usc.edu/programs/wise/news/](http://www.usc.edu/programs/wise/news/)

**WiSE Faculty Update:** Professor Jill McNitt-Gray of the Department of Kinesiology is now serving as President of the American Society of Biomechanics.

### Assistant Professor Michelle Povinelli honored with TR35 recognition

*USC Viterbi School of Engineering News*, August 24, 2010



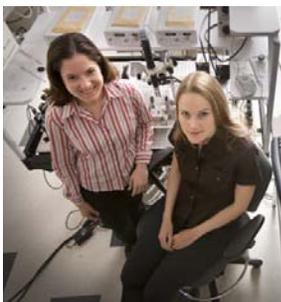
"Michelle Povinelli, a member of the faculty of the Ming Hsieh Department of Electrical Engineering in the Viterbi School, has been recognized by MIT [Technology Review](#) magazine as one of the world's top innovators under the age of 35 for her research on the optical properties of nano-structured materials. Selected from more than 300 nominees by a panel of expert judges and the editorial staff of *Technology Review*, the TR35 is an elite group of accomplished young innovators who exemplify the spirit of innovation. Their work--spanning medicine, computing, communications, nano-technology, and more--is changing our world."

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

## ...NEWS at USC

### **PECASE Awards for 2009 given to 2 of USC's WiSE Professors**

September 2, 2010



Assistant Professors Andrea Armani (Materials Science & Chemical Engineering) and Michelle Povinelli (Electrical Engineering) are recipients of the 2009 Presidential Early Career Award for Scientists and Engineers (PECASE). The PECASE Award is the highest honor bestowed by the United States government on young professionals in the early stages of their independent research careers. The recipient scientists and engineers will receive their awards at a White House ceremony.

Congratulations, Andrea and Michelle!

### **Center for Dark Energy Biosphere Investigations (C-DEBI)**

[www.darkenergybiosphere.org](http://www.darkenergybiosphere.org); Become a Fan on Facebook: [www.facebook.com/CDEBI](http://www.facebook.com/CDEBI)

### **USC Scientists & Graduate Students Needed to Collaborate with Animo high school students & C-DEBI to Develop Black and Latino Scientists**

If you are interested, please contact Cindy Joseph ([cynthijr@usc.edu](mailto:cynthijr@usc.edu)), who is overseeing our education and diversity programs. We hope to organize interested parties to attend Animo's Science Career Day on 9/15 for an introduction.

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Animo Leadership Charter high school was created in 2000 as an experiment in public education. It is the flagship school of the now 18 LA area Green Dot public schools. Its mission is to develop Black and Latino leadership and to demonstrate the ability and potential of these youth to attend college and graduate. We have a special emphasis on educating and developing the next generation of Black and Latino scientists.

From our graduating classes, 98% of the students graduate and 93% go on to 2-year or 4-year universities. This is significantly higher than any other public high school in inner-city Los Angeles and reflects the enthusiasm of the administration, teachers and staff and the support by parents to make our mission a reality. Admission is open to all students by lottery, unlike other charter schools. We are a Title I school with 97.8% receiving free breakfast and lunch. We are ranked #21 of all high schools in the nation by "U.S. News and World Report."

I am fortunate enough to teach virtually the only marine biology program in an inner-city Los Angeles school. I teach 150 seniors that includes an honors marine biology course. Our goal is to excite Black and Latino youth about science. This approach will help rectify the lack of minority youth entering the sciences. We have an active Marine Biology Club of 45 members that meets weekly, with six committees from educational outreach to fund-raising.

We have formed a partnership with the marine studies programs at USC and UCLA to assist us in this effort, and we field teams for the National Oceans Science Bowl, Edison Challenge and the USC QuikScience project competition. We carry out a broad based on-going educational campaign in the Spanish-speaking community featuring safe fish consumption and preventing storm drain runoff pollution.

Most importantly we are fortunate to be the only HS involved in the C-DEBI project, developing lessons for other schools to use, being ambassadors at state and national science and biology teachers conferences, etc. An integral part of the C-DEBI educational effort is to identify and promote 4-5 students at each 9-12 grade level to become scientists and to attend USC. This will involve regular opportunities to visit and learn from scientists at USC involved in biology, marine sciences, chemistry, physics, robotics, etc., special intern programs, participating in college level lectures (including COSEE-WEST, First Fridays at the NHM, etc.) We also need graduate students who would be willing to assist in this effort and to collaborate with our competition teams to develop a project this year that will feature and promote C-DEBI on a regional level.

This is an exciting opportunity for our students and for USC graduate students (in science and education), USC professors, and the Latino community to begin to rectify the dearth of Black and Latino scientists. I urge you to volunteer your time and energy to this special effort.

Mark L. Friedman  
Educator, Physio-Anatomy and Marine Biology Chair,  
Animo Leadership Science Department Animo Leadership Charter High School

## Other News & Articles of Interest

### **Women's Equality Day, 2010**

*The White House; Office of the Press Secretary, August 26, 2010*

Women's Equality Day was proclaimed by President Barack Obama to be August 26, 2010. Note: "Women hold only 27 percent of jobs in science and engineering, which are critical to our economic growth in a 21st-century economy."

[Click here to read the Presidential Proclamation.](#)

### **Mentors fall short in giving concrete help to careers**

*USA Today, August 30, 2010*

"For the first time in U.S. history women outnumber men in the work force. Why then do men still get more promotions than women?...high potential women are "overmentored and undersponsored relative to their male peers" — and therefore, aren't advancing in their organizations. They also discovered that without sponsorship, women are more reluctant to go after top roles."

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

### **Recommendations on Partner Accommodation and Dual Career Appointments**

*American Association of University Professors (AAUP), 2010*

"Do you have a "two-body" problem? Are you and your partner or spouse searching for academic positions in the same area, or even at the same institution? Or are you an administrator or department chair seeking guidance on sound policies and procedures for appointing an academic couple? Would you like to know what kinds of dual-career accommodation programs might be available to assist you, or what procedures an institution should follow to best accommodate your partner? If so, the AAUP's newly released "Recommendations on Partner Accommodation and Dual Career Appointments" is a must read..."

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

### **Workplace Salaries: At Last, Women on Top**

*Time, September 1, 2010*

"The fact that the average American working woman earns only about 80% of what the average American working man earns has been something of a festering sore for at least half the population for several decades. And despite many programs and analyses and hand-wringing and badges and even some legislation, the figure hasn't budged much in the past five years. But now there's evidence that the ship may finally be turning around: according to a new analysis of 2,000 communities by a market research company, in 147 out of 150 of the biggest cities in the U.S., the median full-time salaries of young women are 8% higher than those of the guys in their peer group."

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

### **Searching for STEM Success**

*Inside Higher Ed, September 3, 2010*

"In recent years, rural community colleges have done significantly better than their urban and suburban counterparts in the percentage increase of associate degrees awarded to women and minorities in science, technology, engineering and mathematics disciplines."

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

### **Engaging Girls in STEM**

*T.H.E. Journal, September 8, 2010*

"The results are in, and girls in the United States aren't any more interested in STEM (science, technology, math and engineering) careers than they were 10 or 20 years ago. More alarming is the fact that those girls who do take an interest in such subjects at the middle school and high school level tend to drift to other interests in college. The trend is raising red flags all across academia, where teachers and administrators are struggling to ward it off and get female students more interested in STEM."

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