



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

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

Calendar: WiSE Events

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

The lecture and reception with Dr. Colwell has been postponed and will NOT be held on Friday, Oct 22, 2010 as previously announced. Please keep an eye out for the rescheduled date, to be announced soon.

Calendar: WiSE  
Networking Meetings

**WiSE Faculty Networking Meetings**

- 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)

Calendar: Other Events

**Annual George A. Olah Lecture in Chemistry**

Monday, October 18, 3:30 p.m. Refreshments; 4:00 p.m. Lecture, SGM 123

Prof. Helmut Schwarz, Technische Universität Berlin

“From Bare FeO<sup>+</sup> to Cytochrome P-450: New Insight in the Intriguing Mechanisms of C-H Bond Oxygenation”

**Global Health Lecture Series Piecing Together Solutions presents...**

Wednesday, October 20, 5:00-6:30 p.m.. UPC Davidson Conference Center, Embassy Room

- Jacqueline Sherris, PhD; Vice President of Global Programs, PATH
- Health Technologies and Women's Health Needs in Developing Countries
- Lecture Co-hosted by: Viterbi School of Engineering and the USC School of Social Work

Dr. Jacqueline Sherris of the international nonprofit Path will talk about the organization's experience in developing, testing and deploying key technologies and women's health products.

RSVP HERE:

<http://globalhealth.usc.edu/en/News%20And%20Events/Events/2010/October/Health%20Technologies%20and%20Womens%20Health%20Needs%20in%20Developing%20Countries.aspx>

**Einstein's Cosmic Messengers, Visions and Voices Event**

Organized by Elena Pierpaoli, Associate Professor of Physics and Astronomy

- Friday, October 22, 2010 : 8:00pm
- University Park Campus, Bovard Auditorium (ADM)
- Admission is free.



Music and science coalesce in *Einstein's Cosmic Messengers*, a stunning multimedia concert created by composer Andrea Centazzo and NASA physicist Michele Vallisneri. Following this magnificent journey through the universe, science writer K.C. Cole will moderate a conversation with Centazzo, Vallisneri and USC cosmology Professor Elena Pierpaoli.

<http://web-app.usc.edu/ws/eo2/calendar/113/event/873327>

### USC Viterbi: Women in Engineering events

For more information: <http://viterbi.usc.edu/students/undergrad/women/programs.htm>

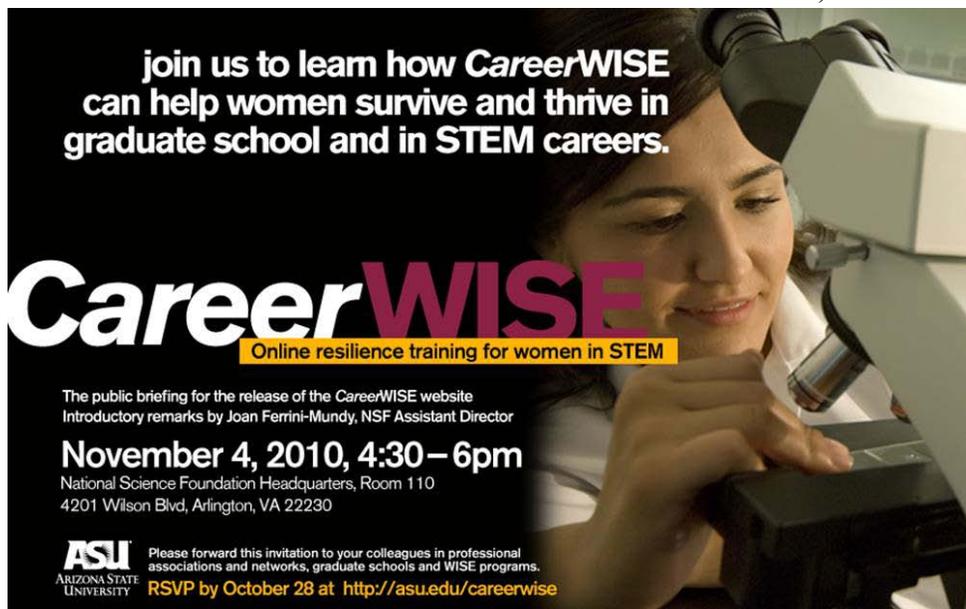
#### WIE Series

WIE will host a series of roundtable discussions for Viterbi women to come together and discuss topics of interest. We will invite guest speakers to join us and lead conversations on networking, graduate school and balancing life as a Viterbi engineer! Food will be provided.

Save the date: **October 28<sup>th</sup>**, 6pm in RTH 211, WIE will be presenting an Alumni Women in Industry panel.

Details including featured guest speakers are coming soon! [RSVP Required](#)

### Bianca L. Bernstein and the *CareerWISE* research team invitation to for Thurs, November 4<sup>th</sup>



join us to learn how **CareerWISE**  
can help women survive and thrive in  
graduate school and in STEM careers.

**CareerWISE**  
Online resilience training for women in STEM

The public briefing for the release of the CareerWISE website  
Introductory remarks by Joan Ferrini-Mundy, NSF Assistant Director

**November 4, 2010, 4:30–6pm**  
National Science Foundation Headquarters, Room 110  
4201 Wilson Blvd, Arlington, VA 22230

**ASU** ARIZONA STATE UNIVERSITY  
Please forward this invitation to your colleagues in professional associations and networks, graduate schools and WISE programs.  
**RSVP by October 28 at <http://asu.edu/careerwise>**

### 3<sup>rd</sup> 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
- Present your work in a supportive environment
- 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>

Registration Deadline: October 29, 2010

### 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)

**MacNair Scholars Program**

**Application Deadline TODAY: 10/18/10 @ 5pm**

The USC MacNair Scholars Program is currently accepting applications and holding information sessions for it's Undergraduate Scholars Program for USC students who are **Either** first-generation college student & low-income **Or** a member of an underrepresented ethnic group (African American, Mexican American/Chicano, Hispanic/Latina/o, Native American, Asian Pacific Islander, Native Alaskan or Native Hawaiian).

Benefits:

- Research Experience
- Graduate School Preparation
- Faculty Mentorship
- \$2800 Summer Research Stipend
- \$2000 Housing Scholarship
- Princeton Review GRE Prep Course
- Publishing Opportunities
- Conference Travel
- Professional Development

Requirements:

- Must be a USC Student enrolled full-time with at least sophomore or junior status
- Cumulative GPA of 3.0 or higher
- ANY MAJOR!
- U.S. Citizen or Permanent Resident status
- Motivation to obtain a doctorate degree
- Aspirations for an academic or research career

Visit the website for more information: <http://mcnair.usc.edu/>

**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>

**SUPERS@PENN, University of Pennsylvania School of Medicine**

**Applications open October 1, 2010 for Summer 2011**

The program, SUPERS@PENN, is a highly competitive program designed for motivated undergraduates who are considering careers in academic medicine, with a specific emphasis on cancer research. The program is designed to run over two consecutive summers so we are most interested in juniors, who then have the option of returning as seniors for a second year of research training.

More information about SUPERS@PENN can be viewed at [www.med.upenn.edu/supers](http://www.med.upenn.edu/supers) .

**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](http://www.glamour.com/2010/10/college-women-competition/).

**Director, Women in Engineering (WIE) Program in Georgia Tech's College of Engineering**

The Georgia Institute of Technology invites applications and nominations for the position of Director of the Women in Engineering Program. <http://www.coe.gatech.edu/wie>.

For the complete job posting flier, please contact [jane.ammons@coe.gatech.edu](mailto:jane.ammons@coe.gatech.edu). Job posting also available at <http://www.insidehighered.com/layout/set/dialog/career/seekers/posts/view/153955>.

## ...Opportunities

### **Inaugural Joyful Professor Retreat**

June 6-8, 2011 at the Colorado Chautauqua National Historic Landmark in Boulder, CO

Joyful Professor is a faculty development program developed and tested at the U of Illinois in collaboration with the Center for Training and Professional Development at U of I and the Center for Authentic Leadership (CAL) in Atlanta, GA. The accompanying book, called *The Joyful Professor: How to Shift From Surviving to Thriving in the Faculty Life*, has recently been published.

The retreats are designed for faculty at all career stages to get away from the day-to-day overwhelm and begin moving towards your ideal life. Hands-on sessions combine visioning and planning with free time for reflection and relaxation in a beautiful place. After the retreat, monthly conference calls are held to debrief and provide support as the participants assimilate their vision and plans into their lives.

An essay about Barbara Minsker's experience in CAL's leadership development programs that led to the book and program can be found at <http://www.insidehighered.com/advice/2010/09/17/minsker>.

See <http://joyfulprofessor.com/> for more information on the retreat and book.

### **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](http://www.radcliffe.edu/fellowships/current_fellows.aspx) and this year's schedule of fellows' presentations

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

## 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/)

#### **Assistant Professor Andrea Armani receives 2010 NIH Director's New Innovator Award; Fighting cancers by tagging their triggers: NIH taps Viterbi professor to use real-time nanolaser DNA imaging to personalize drug delivery**

*USC Viterbi School of Engineering News, October 1, 2010*



Andrea Armani has received the NIH's 2010 New Innovator Award, which recognizes a select group of researchers with "exceptional creativity" and bold approaches that "have the potential to produce a major impact on broad, important problems in biomedical and behavioral research."

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

#### **Assistant Professor Shinyi Wu received a \$3 million ARRA Grant**



The grant will go to develop a depression care management technology and to conduct a comparative effectiveness trial to test the technology-facilitated vs. staff-supported care models in six safety-net diabetes clinics managed by LA County Department of Health Services. Co-investigators include Professors Shri Narayanan in EE, Kathleen Ell in School of Social Work, Joel Hay in School of Pharmacy, and Chih-Ping Chou in Preventive Medicine.

## ...NEWS at USC

### **Appointment of Asst Prof Andrea Hodge to the Philip and Cayley MacDonald Early Career Chair**



“This appointment recognizes Andrea’s exceptional distinction and promise as a faculty member in the Viterbi School of Engineering. As is the process in all such honors, the appointment was recommended by an appropriate faculty committee and was approved by the Provost. Andrea is an Assistant Professor in the Department of Aerospace and Mechanical Engineering with a joint appointment in the Mork Family Department of Chemical Engineering and Materials Science.”  
– Sept 28, 2010 memo from Dean Yannis Yortsos

### **Sparkling Drinks Spark Pain Circuits**

*USC News*, September 28, 2010



Emily Liman is an Associate Professor of Neurobiology at USC College and senior author of the study highlighted in this article.

“You may not think of the fizz in soda as spicy, but your body does. The carbon dioxide in fizzy drinks triggers the same pain sensors in the nasal cavity as mustard and horseradish, though at a lower intensity, according to new research at USC.”

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

### **Former WiSE Postoc Anja Volk awarded Vidi Grant by the Netherlands Organisation for Scientific Research (NWO)**

Dear WiSE Colleagues,

I am happy to share the news that former WiSE postdoc, [Anja Volk](#), has just been awarded a [Vidi grant](#) by the Netherlands Organisation for Scientific Research (NWO). The Vidi grant is "targeted at researchers who have completed their doctorates and already spent some years conducting post-doctoral research, thereby demonstrating the ability to generate new ideas and bring them independently to fruition. They will be given the opportunity to develop their own innovative lines of research and themselves to appoint one or more researchers to assist them in the task."

Anja Volk was a postdoc at the Music Computation and Cognition ([MuCoaCo](#)) Lab from 2003 to 2005. Following her postdoctoral work at USC, she joined the University of Utrecht's Department of Information and Computing Sciences in the Netherlands to co-lead the NWO-funded WITCHCRAFT project from 2006 to the present. The Vidi grant will enable her to start a research group to "model music similarity over time using the variation principle."

Best regards,  
Elaine Chew  
Associate Professor

## Other News & Articles of Interest

### **Large Study Shows Females are Equal to Males in Math Skills**

*University of Wisconsin-Madison News*, October 11, 2010

“The mathematical skills of boys and girls, as well as men and women, are substantially equal, according to a new examination of existing studies in the current online edition of journal *Psychological Bulletin*. One portion of the new study looked systematically at 242 articles that assessed the math skills of 1,286,350 people...”

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