



April 8, 2011  
Issue 2: 18

Women in Science and Engineering

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

### WISE PROGRAM UPCOMING DEADLINES

#### Fall Undergraduate Research Awards

Dornsife: August 28

Viterbi: August 1

#### WINNERS: WISE MERIT FELLOWSHIP FOR CURRENT DOCTORAL STUDENTS

Shannon Howell,  
Chemistry

Daisy Mak,  
Physics

Ozgun Bursalioglu Yilmaz, (declined)  
Electrical Engineering - Systems

Neelaski Hudda,  
Civil and Environmental  
Engineering

Yi Gai,  
Electrical Engineering - Systems

To see all the USC WiSE  
Grant Programs, including  
ongoing grants without specific  
deadline, please [click  
here.](#)

### CALENDAR, WISE UPCOMING EVENTS

#### WISE FACULTY NETWORKING MEETING

Meetings held the last Thursday of the  
month at 12pm in HNB 107; Thursday,  
**April 28, 2011**; Bring your own lunch.  
Cookies, coffee and tea provided.

#### WISE ADVISORY BOARD MEETING

**Wednesday, April 20**

### 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,  
[click here.](#)

[WISEPROG@USC.EDU](mailto:WISEPROG@USC.EDU)

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#### USEFUL WEBSITES

Scholarships, Grants and Financial  
Aid Resources for Women

[Click here.](#)

Guide to Online Engineering  
Degree Programs

[Click here.](#)

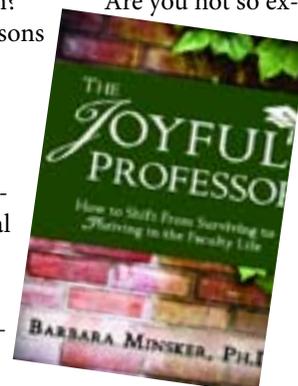
The USC logo is displayed in a stylized, bold, yellow font with a red outline, set against a dark red background.

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.



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, [click here](#).

INTERESTING ARTICLES

YOU GO GIRL!

Posted on March 18, 2011

Office of Extramural Research: National Institutes of Health  
by Sally Rockey

Right now we're celebrating Women's History month. I recently was the keynote speaker at NIH's observation of the month and was able to chat about my own scientific career and discuss research administration as a career choice. I was delighted to be asked to speak, as it made me reflect on how I came to be the head of extramural research at NIH through an unusual and circuitous route and to think about and celebrate the women who blazed the scientific trail to bring us where we are today. Thus, I thought I'd take this opportunity to provide you with some information from my talk regarding the participation of women in NIH extramural programs. These and other data on the topic are posted on the Web in the NIH Databook.

For the rest of the article, [click here](#).

## ANNOUNCEMENTS

The California State Science Fair (CSSF) is in need of judges to evaluate more than 850 senior high and middle school projects in 35 categories at the forthcoming CSSF on May 3. Each year we depend on the expertise and experience of more than 300 science and engineering professionals to select the very best projects in the State of California for recognition. This year some of the winners will be invited to participate in the Intel International Science & Engineering Fair (ISEF) to be held at the LA Convention Center a week later.

For each category there is a panel of scientists/engineers similar to one you would find at a professional peer review such as at the NSF. But in this case instead of just reading through proposals you conduct short one-on-one interviews with the students to learn the details of their projects and assess the originality of the project, the student's comprehension of the relevant scientific or engineering principles and practices, the organization and completeness of the project, the effort and motivation of the student, and the clarity of the project. You then choose four place winners and honorable mentions.

Judging will take place on Tuesday, May 3 at the California Science Center located in Exposition Park just to the south of USC. As a judge, your commitment is for one day, Tuesday, May 3, from 7:00 am to 1:30 pm. A light breakfast, lunch, and parking are provided. About two weeks before the Fair you will receive your panel assignment, at which time you will also receive information from your panel chair. On or about April 20 we will send you instructions on how to access the Project Summaries (abstracts) for the projects placed in your judging panel.

I guarantee that you will be impressed with the students who compete at the CSSF. All of them were winners at their local and county competitions in order to qualify for the CSSF. About 65% of the students in the Junior Division (middle school) are girls. In the Senior Division about half of the students are female. About ten years ago, the engineering categories tended to be dominated by boys but now the participation is more equal between the genders. It is refreshing to see so many young students enthusiastic about science. Last year the Project of the Year Award for the Senior Division (\$10K) was won by a 10th grade student, Kaavya N. Jayram, who is about 12-13 years old. Her project "Crank 0 Partitions and the Parity of the Partition Function" was in the category of Mathematics & Software and was considered by several of the judges in the S-MA panel to be of Ph.D. quality. The CSSF is an excellent place to identify promising young students in science and engineering who might be persuaded to enroll at USC.

Information on the CSSF and judging at the Fair can be found at:

<http://www.usc.edu/CSSF/>

Click on JUDGES, then select Category Awards Judges.

To register go to:

<http://cssf.usc.edu/JudgeReg/JudgeReg/>

Advanced graduate students in science and engineering fields are welcome.

**\*\*\*The deadline for registering to judge at the 2011 CSSF is Friday, April 8\*\*\***

We would appreciate your help. Ever since I became a Director of Judging in 2003 I have strived to improve the quality of the CSSF panels and feel my efforts have been successful. Feel free to e-mail me (gjpeters@usc.edu) if you have any questions. Thanks in advance.

Gerrie Peters

## AWIS

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.

### 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: [Click here.](#)

### 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](http://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 specialties 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.

USC | wise

Women in Science and Engineering

## IN THE NEWS



### NEW DIRECTOR APPOINTED FOR THE USC WRIGLEY INSTITUTE ENVIRONMENTAL STUDIES

By Susan Andrews  
March 14, 2011  
USCNews

USC College Dean Howard Gillman has appointed Dr. Roberta Marinelli the new director of the USC Wrigley Institute for Environmental Studies, following an extensive national search.

Since 2005, Marinelli has served as the program director of the Antarctic Organisms and Ecosystems Program at the National Science Foundation (NSF), station representative at the Palmer and McMurdo stations in Antarctica. Prior to that, she was an associate professor at the University of Maryland's Center for Environmental Science.

For the rest of the article, [click here](#).

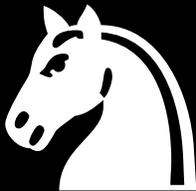
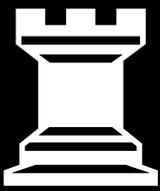
### ANNOUNCING THE 2010-2011 USC MELLON AWARDS FOR EXCELLENCE IN MENTORING

WiSE faculty Jill McNitt-Gray and Maja Mataric have won USC Mellon mentoring awards, Professor McNitt-Gray for undergraduate mentoring and Professor Mataric as part of a Viterbi group for Culture of Mentoring award. Professor Francisco Valero-Cuevas, member of the Viterbi School of Engineering WiSE Committee, has also won an award for undergraduate mentoring. For the full story, [click here](#).



### RECIPIENT OF THE WISE MERIT FELLOWSHIP FOR CURRENT DOCTORAL STUDENTS WINS THE CAMS COMPETITION

**Yi Gai**, PhD Candidate in Electrical Engineering-Systems in the Viterbi School of Engineering and recipient of a WiSE 2011-2012 Fellowship for Current Doctoral Students, has also been awarded a Graduate Student Prize from the Center for Applied Mathematical Sciences at USC. Congratulations, Yi!



USC-CALTECH CENTER FOR THE STUDY OF LAW AND POLITICS &  
USC GAME THEORY AND HUMAN BEHAVIOR WORKING GROUP

present

# THE BEHAVIORAL FOUNDATIONS OF GAME THEORY

## PRESENTERS

- ❖ **ROB BOYD**
- ❖ **PATRICIA CHURCHLAND**
- ❖ **GERD GIGERENZER**
- ❖ **NIR HALEVY**
- ❖ **TOM SIEGFRIED**
- ❖ **DAN SIMON**
- ❖ **MARK TURNER**

## CO-ORGANIZERS

**MATHEW MCCUBBINS, YU-HAN CHANG AND MILIND TAMBE**

**APRIL 22, 2011 ♦ 8:30<sup>AM</sup> - 5:30<sup>PM</sup>**  
**DAVIDSON CONFERENCE CENTER**

★ Breakfast and Lunch Will Be Provided ★

To RSVP, please email: [facserv@law.usc.edu](mailto:facserv@law.usc.edu)

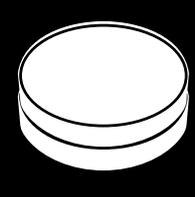
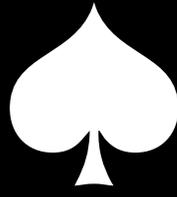
For more information, please contact Christopher Schnieders at (213) 740-5714

Program and papers can be found on the CSLP website at: <http://weblaw.usc.edu/centers/cslp/conferences/gametheory/>

usc Marshall  
SCHOOL OF BUSINESS

USC | LAW UNIVERSITY of  
SOUTHERN CALIFORNIA

USC Viterbi  
School of Engineering



The UCLA Center for the Study of Women  
is pleased to announce

## Women and STEM

How stereotypes undermine the interest and success of women in science, technology, engineering, and math...

Spring Speaker Series organized by Professor Jenessa Shapiro, Department of Psychology at UCLA

This speaker series will bring to UCLA some of the top researchers in the field of stereotype threat. These speakers will present research demonstrating the emergence of stereotype threat in STEM domains, the mechanism that account for this phenomenon, and the ways in which we can intervene to prevent the deleterious influence of stereotype threat.

Featuring:

Steven Spencer  
Professor of Psychology, University of Waterloo  
A Chilly Climate for Women in STEM: How It Develops and  
How It Can Be Overcome

Thursday, April 21, Franz Hall, Room 3534, from 4 to 6 pm

—

Toni Schmader  
Professor of Psychology, University of British Columbia  
Stereotype Threat Deconstructed

Thursday, April 28, Franz Hall, Room 3534, from 4 to 6 pm

—

Nilanjana Dasgupta  
Professor of Psychology, University of Massachusetts, Amherst  
STEMing the Tide: Female Experts and Peers Enhance Young Women's Interest in Science, Technology,  
Engineering, and Mathematics (STEM)

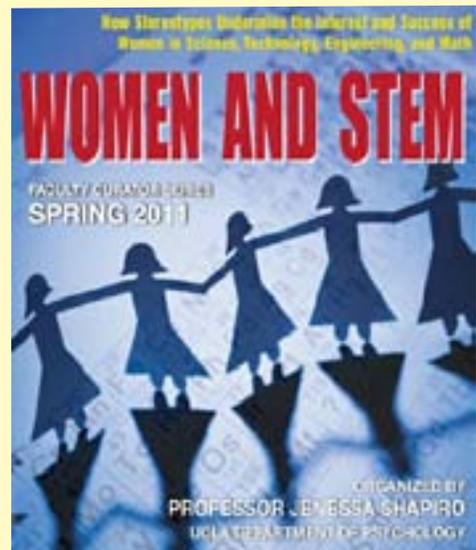
Thursday, May 12, Franz Hall Room 3534, from 4 to 6 pm

—

Joshua Aronson  
Professor of Applied Psychology, New York University  
Stereotypes and the Nurture of Intelligent Thought and Behavior

Thursday, May 19, Franz Hall Room 3534, from 4 to 6 pm

Cosponsored by UCLA Department of Psychology, the Psychology Diversity Science Initiative, and the  
UCLA Interdisciplinary Relationship Science Program



For more info, visit <http://www.csw.ucla.edu/women-in-stem-speaker-series>

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.