



USC WOMEN IN SCIENCE AND ENGINEERING

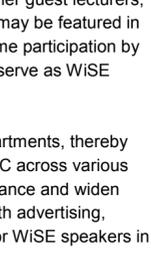
Announcements

With the 2012-2013 year under way, we at WiSE would like to wish you a positive and productive semester. We hope you had a pleasant summer and look forward to seeing you at upcoming WiSE events.

-Leana Golubchik -Sarah Fried-Gintis
Director, WiSE Program Manager, WiSE

"Like" Us! on Facebook
<http://www.facebook.com/USCWISE>

Please like USC WiSE, Women and Science and Engineering on Facebook. We will be updating our page with WiSE program deadlines, announcements, lecture, fellowship and grant opportunities, as well as subjects of interest in the news.



The USC Women in Science and Engineering (WiSE) Program invites speakers hosted by WiSE-eligible departments for inclusion in the third **Annual WiSE Distinguished Lecture Series**. The WiSE Program hosts a keynote speaker and other guest lecturers, but also invites the participation of prominent women speakers who may be featured in the lecture series of individual WiSE-eligible departments. We welcome participation by asking for recommendations for distinguished guests who may also serve as WiSE speakers.

WiSE will advertise Distinguished Speakers across schools and departments, thereby highlighting the many excellent scientists and engineers who visit USC across various disciplines; through advanced promotion we will help increase attendance and widen audiences beyond individual departments. In addition to assisting with advertising, WiSE will also host luncheons, receptions, teas, and similar events for WiSE speakers in association with existing lectures.

Congratulations

Professor **Maja Mataric** (Professor of Computer Science and Vice Dean for Research) has been appointed the inaugural holder of the Chan Soon-Shiong Chair. Congratulations, Maja!

Assistant Professor **Burcin Becerik-Gerber** has been appointed to the Stephen Schrank Early Career Chair in Civil and Environmental Engineering. Congratulations, Burcin!

Nishita Deka, recipient of a WiSE Undergraduate Research Award, received a \$10,000 Astronaut Scholarship Foundation (ASF) Award -- the largest STEM Merit Award given in the United States. She was presented the award by astronaut Walt Cunningham on September 13. Assistant Professor **Andrea Armani** (Chemical Engineering and Materials Science) nominated Deka for the award. Congratulations, Nishita!

Assistant Professor **Burcin Becerik-Gerber** (Civil and Environmental Engineering) was named one of the world's top 35 innovators under the age of 35 by *Technology Review*. Please click [here](#) for the full article. Congratulations, Burcin!

Assistant Professor **Andrea Armani** (Chemical Engineering and Materials Science) has been named a SPIE Senior Member. Congratulations, Andrea!

Assistant Professor **Malancha Gupta** (Chemical Engineering and Materials Science) has been chosen to receive a highly prestigious American Chemical Society Petroleum Research Fund Doctoral New Investigator award for her proposed research, "Green Solventless Fabrication of Ionic Liquid/Polymer Composites Using Vapor Phase Polymerization." See the announcement on the Viterbi website, [here](#). Congratulations, Malancha!

Please join us in congratulating the recipients of the Fall 2012 WiSE Undergraduate Research Awards.

Viterbi

Sara Brisbin, Biomedical Engineering, (Andrea Armani)
Kristine Brown, Computer Science, (Jihie Kim)
Jasmine Corbin, Chemical Engineering, (Richard Roberts)
Divya Nair, Biomedical Engineering, (Eun Jin Lee)
Alyssa Zhou, Biomedical Engineering, (David D'Argenio)

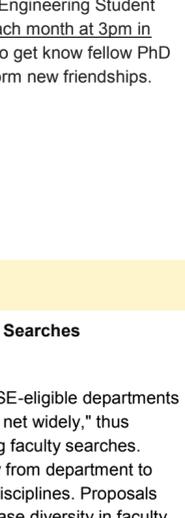
Dornsife

Joahanna Macaranas, Chemistry, (Barry Thompson)
Nancy Benner, Chemistry (Thio Hogan-Esch)
Lauren Otaguro, Biological Sciences — Neuroscience (Sergey Nuzhdin)
Tijana Milinic, Biological Sciences, (Weibke Zeibis)

Upcoming Events

The USC Women in Science and Engineering (WiSE) Program cordially invites you to a discussion on **Work Family Balance for Scientists** with Professors Hanna Reiser and Anna Krylov.

Thursday, October 18
GFS 304
Noon
Lunch will be served.
Please RSVP to wiseprog@usc.edu



Women in Engineering (WIE) will be hosting a monthly **Coffee Break** on the first Thursday of each month. This event is run by the 'PhD Women in Engineering Student Group.' The coffee break will take place on the **first Thursday of each month at 3pm in RTH 211**. Coffee, tea, and cookies will be provided. This is a time to get know fellow PhD women. Stop by and hang out with fellow women engineers and form new friendships.

First Thursday of each month
RTH 211
3-4pm
Coffee and Cookies
Contact: Amy Hee Kim, Associate Director, WIE

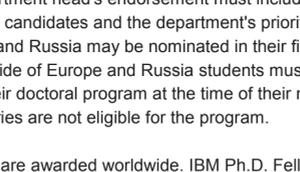
Upcoming WiSE Deadlines

WiSE Support for Facilitating Diversity in Faculty Searches

January 15

The WiSE Program provides competitively awarded support to WiSE-eligible departments at USC that propose and implement creative ideas for "casting the net widely," thus increasing the representation of women in science and engineering faculty searches. Activities for which funding may be requested are expected to vary from department to department, as effective approaches would depend on individual disciplines. Proposals should include a brief description of the departmental plan to increase diversity in faculty hiring and a strong justification of why and how receipt of funds will serve to cast the net widely to increase the representation of women in science and engineering faculty searches. Departments may submit no more than one application per academic year. Please contact WiSE Program Manager, Sarah Fried-Gintis, at sfried@usc.edu with questions and concerns.

Opportunities of Interest



Commitment to Gender Equity at Scholarly Conferences

Across the disciplines, disproportionately more men than women participate in scholarly conferences - as keynote or plenary speakers, as symposiasts, or as panelists. This, we believe, is the outcome of widespread and generally unintended bias. It is unfair, it hinders advancement in scholarship, and it is especially discouraging to junior scholars. Overcoming such bias involves not just awareness but positive action.

We therefore undertake to make our participation in conferences - whether as an organizer, sponsor, or invited speaker - conditional on the invitation of women and men speakers in a fair and balanced manner.

(Translations *en español, en français, in italiano, Magyarul, in het Nederlands, Japanese, available here*)

To sign please,
[CLICK HERE.](#)

IBM is pleased to announce the **IBM Ph.D. Fellowship program** for the 2013-2014 academic year. IBM Ph.D. Fellowship nominations may be made by [doctoral faculty members](#) from September 20 through October 30, 2012. Please note there are changes to the program scope, for details go to <http://www.ibm.com/university/phdfellowship>

The IBM Ph.D. Fellowship Awards Program is an intensely competitive worldwide program, which honors exceptional Ph.D. students who have an interest in solving problems that are important to IBM and fundamental to innovation in many academic disciplines and areas of study. These include: computer science and engineering (including cyber security and cloud computing), electrical and mechanical engineering, physical sciences (including chemistry, material sciences, and physics), mathematical sciences (including analytics of massive scale data with uncertainty, operations research, and optimization), public sector and business sciences (including urban policy and analytics, social technologies, learning systems and natural language understanding) and service science, management, and engineering (SSME). Additional details are in the attached poster.

Preference will be given to students who have had an IBM internship, or have closely collaborated with technical or services people from IBM.

The IBM Ph.D. Fellowship program also supports our long-standing commitment to workforce diversity. IBM [values diversity](#) in the workplace and encourages nominations of women, minorities and all who contribute to that diversity.

Please feel free to post this program announcement in your department area. This announcement will also be posted on the Internet at <http://www.ibm.com/university/phdfellowship> on September 20, 2012 and will be linked to the Internet nomination form. Award recipients will be finalized mid February, 2013 followed by emails to all participants. All supporting documents for the fellowship, such as student's resume, and endorsement by the department head as well as the nominator's recommendation must be included in the nomination form. We ask that each department submit **no more than two new nominations** (in addition to any existing fellowship nominations to compete for a renewal). In cases of more than one nomination for a fellowship (including competing renewal nominations), the department head's endorsement must include an indication of the relative merits of all the candidates and the department's prioritization of these candidates. Students from Europe and Russia may be nominated in their first year of study in their doctoral program. Outside of Europe and Russia students must have completed at least one year of study in their doctoral program at the time of their nomination. Students from U.S. embargoed countries are not eligible for the program.

IBM Ph.D. Fellowships are awarded worldwide. IBM Ph.D. Fellows are awarded a stipend for the academic year 2013-2014. Fellowships vary by country/geographic area and the student will be informed at the time of the award what the value is for their country/geographic area. All IBM Ph.D. Fellows are matched with an IBM Mentor according to their technical interests, and they are strongly encouraged to participate in an internship at least once while completing their studies. While students may accept other supplemental fellowships, to be eligible for the IBM Ph.D. Fellowship they may not accept a major award in addition to the IBM Ph.D. Fellowship. Students in Europe and Russia may accept government scholarships and remain eligible for the IBM Ph.D. Fellowship.

We look forward to receiving your department's nominations.

For further information, visit the website above, or contact phdfellow@us.ibm.com

Call for Applications 2013-2014 Faculty for the Future Fellowships

The Schlumberger Foundation is accepting applications for the 2013-2014 Faculty for the Future Fellowships from September 10th to November 16th 2012 for new applications; from September 10th to November 9th for renewal applications.

The Schlumberger Foundation Faculty for the Future program, launched in 2004, awards fellowships to women from developing and emerging economies to pursue PhD or post-doctoral studies in the physical sciences, engineering and technology at leading universities abroad.

The long-term goal of the faculty for the future program is to generate conditions that result in more women pursuing academic careers in scientific disciplines thus contributing to the socio-economic development of their home countries and regions.

The Faculty for the Future program is growing each year and has become a powerful community of 257 women scientists from 62 countries. Grant recipients are selected as much for their leadership capabilities as for their scientific talents. Ultimately they are expected to return to their home countries to continue their academic careers, to further their research, to teach and to become inspirational role models for other young women.

Faculty for the Future grants are based on actual costs up to a maximum of USD 50,000 per year and may be renewed through to completion of studies subject to performance, self-evaluation, and recommendations from supervisors.

Candidates should have applied to, have been admitted to, or be currently enrolled in a university abroad when submitting their faculty for the future grant application. Candidates must hold an excellent academic record and be able to evidence their commitment to teaching, research or using science in public policy advocacy. Candidates should demonstrate leadership skills and have a track record in encouraging young women into the sciences.

Information about the Faculty for the Future fellowship program:
www.facultyforthefuture.net

If you believe you are eligible, please apply on-line:
www.fftf.slb.com

Faculty in the News

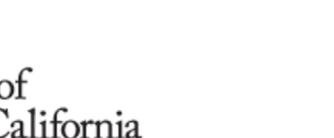
Listen to Professor **Jill McNitt-Gray** (Biological Sciences) discuss her research in a short video clip for USC News, [Anatomy of a Perfect Dive](#).

Professor **Maja Mataric** (Computer Science) discusses her research in a Q & A in *Nature*. For the complete interview, please [Click Here](#).

The research of **Sarah Feakins** (Earth Sciences) was featured on [NASA's website](#).



Assistant Professor **Meghan Miller's** research (Earth Science) was featured in the USC News Article, [Why do the Caribbean Islands Arc?](#)



In the News

[Science Faculty's Subtle Gender Biases Favor Male Students](#)

PNAS, October 9, 2012

[Academic Motherhood](#)

Inside Higher Ed, October 9, 2012

[How to Get Girls Psyched About Computer Science](#)

CNN Money, October 5, 2012

[Women Computer Scientists -- Yes, They Exist!](#)

Huffington Post, October 4, 2012

[How To Fix the Bias Against Women in Science? Think Big](#)

Slate, October 4, 2012

[Women Still Have to Prove Themselves in Academic Hiring](#)

Insight & Intelligence, October 3, 2012

[Breaking the Bias Against Women in Science](#)

New York Times, September 30, 2012

[Get Girls Interested While They're Young](#)

New York Times, September 30, 2012

[Why We Should Care About Sexism In Science](#)

Forbes, September 26, 2012

[Bias Persists for Women of Science, a Study Finds](#)

New York Times, September 24, 2012

[Study Shows Gender Bias in Science is Real. Here's Why it Matters.](#)

Scientific American, September 23, 2012

[How to Encourage More Women Into Engineering: IEEE WIE's Three Simple Steps](#)

ComputerWeekly, September 21, 2012

[Can a Kids' Toy Bring More Women Into Engineering?](#)

The Atlantic, September 18, 2012

[Online Mentors to Guide Women Into the Sciences](#)

New York Times, September 16, 2012

[How to Employ Women in the Tech Industry](#)

Huffington Post, September 12, 2012

[Is a Science Ph.D. a Waste of Time?](#)

Slate, August 31, 2012

[A Different Kind of Diversity: The Changing Face of Engineering Education](#)

Huffington Post, August 24, 2012

[Women Are Making Slow Progress in Obtaining Engineering Faculty Positions](#)

WIA Report, August 22, 2012

[Top Recommendations from Top Women in Science](#)

Soapbox Science, July 13, 2012

[Women Changing the World: STEM](#)

Forbes

[Generation STEM: What Girls Say About Science, Technology, Engineering and Math](#)

A Report from the Girl Scout Research Institute

To contribute to the WiSE Newsletter, please contact:

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