

# Society of Women Engineers

General Meeting 2  
Monday, Feb. 27 6:30–8 PM



# Today's Agenda

- Dinner
- Announcements
- Town Hall
- Facilitated Group Discussions
- Final Regroup





# Event Recap



# WE Local: San Jose 2017



Upcoming Opportunities!

# Shadow an Engineer Program

- Great opportunity to shadow an engineer at a company
- Taking place over Spring Break (March 27-31)
- **Companies participating:** Accenture, Alphabet Energy, Autodesk, Intuitive Surgical, NetApp, TradeShift, Whitson Engineers, Lendlease, Dow Chemical, Janssen, W E O'Neil, D-Rev, Bio-Techne/Protein-Simple
- **Apply by Tuesday, February 28th at 6PM**
- **Link to apply:** <https://tinyurl.com/znakqbb>
- Email us at [purvag@berkeley.edu](mailto:purvag@berkeley.edu) or [asena.yildiz@berkeley.edu](mailto:asena.yildiz@berkeley.edu) if you have any questions!





MIROCULUS



# START-UP EXPO

Garbarini Lounge, Sibley Auditorium  
March 11th, 2017: 9AM - 3PM

*Interested in a career/internship at a startup?*

- Talk face-to-face with startup representatives
- Learn about launching a startup from our keynote speaker + break-out sessions
- Network with local entrepreneurs



# ALUMNI HAPPY HOUR

Please join us for our semiannual Alumni Happy Hour!

When: Thursday, March 23rd 7-9pm

Where: Pappy's

This event is a great opportunity for current and former SWE members to catch up with each other and chat about their SWE experiences.

More information will be sent out in the next SWEmail! Hope to see you there!







If you....

- Live in university housing
- Are a female majoring in engineering/CS or have a roommate majoring in either of those fields
- Are available from 10 PM Friday, April 21st to 9AM Saturday, April 22nd

*Sign up to host a student!*

<https://tinyurl.com/host-ohp>

## Other Events in the next month:

Saturday 3/4 10 am–12 pm– SWE Science Saturdays and Scholars

Thursday 3/16 11:30 am – 1 pm : [Professor's Lunch](#)

Monday 3/20 8 am – 3 pm : Mini University

Wednesday 3/22 6:30 – 8 pm : General Meeting 3

# National Membership

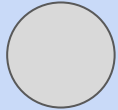
- Eligibility to national scholarships
- Opportunities to network on a national level
  - Attend next year's conference in Austin, TX!
- Discounts at our Berkeley section's events and T-shirt sales!
- Learn more here:

<http://societyofwomenengineers.swe.org/membership>

# Membership Tier Information



**Bronze** – Attend any 3 SWE events!



**Silver** – National Member OR Committee Member OR attend 5 events!



**Gold** – National Member AND Committee Member!

**Gold members will be invited to our SWE banquet in May! All members will be celebrated at the end of the semester!**

**\*\*Sign in at SWE events using the link: <http://tinyurl.com/ucb-swe-events>**

# Members of the month!



**Yena Kim**

For her outstanding work on the outreach committee!



**Jessica Yeh**

For being a great social committee member and E-week volunteer!

# Committees you can still join!!

Apply here: [tinyurl.com/SWECommitteeSpring17](https://tinyurl.com/SWECommitteeSpring17)

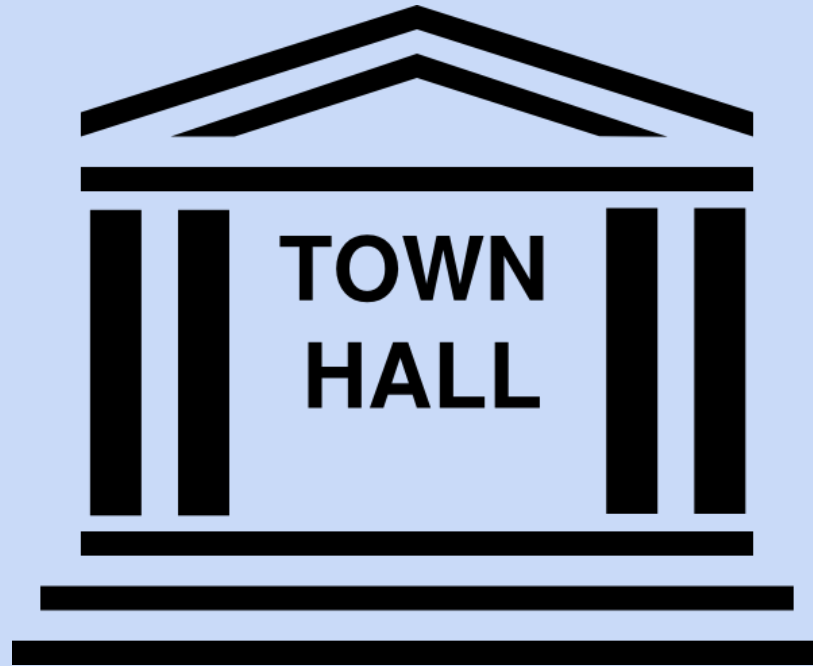
Outreach

Public Relations

Social

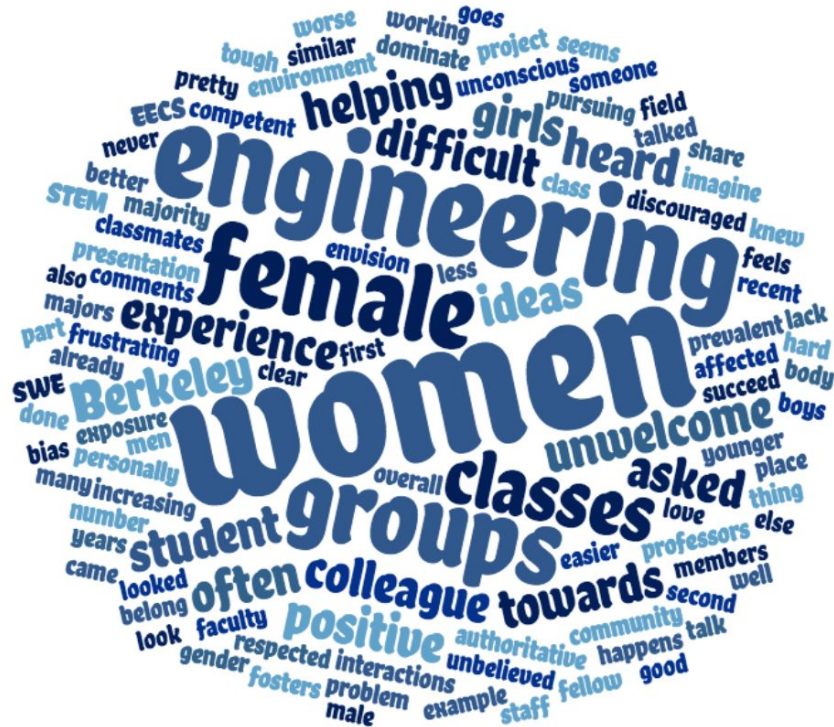
Historian



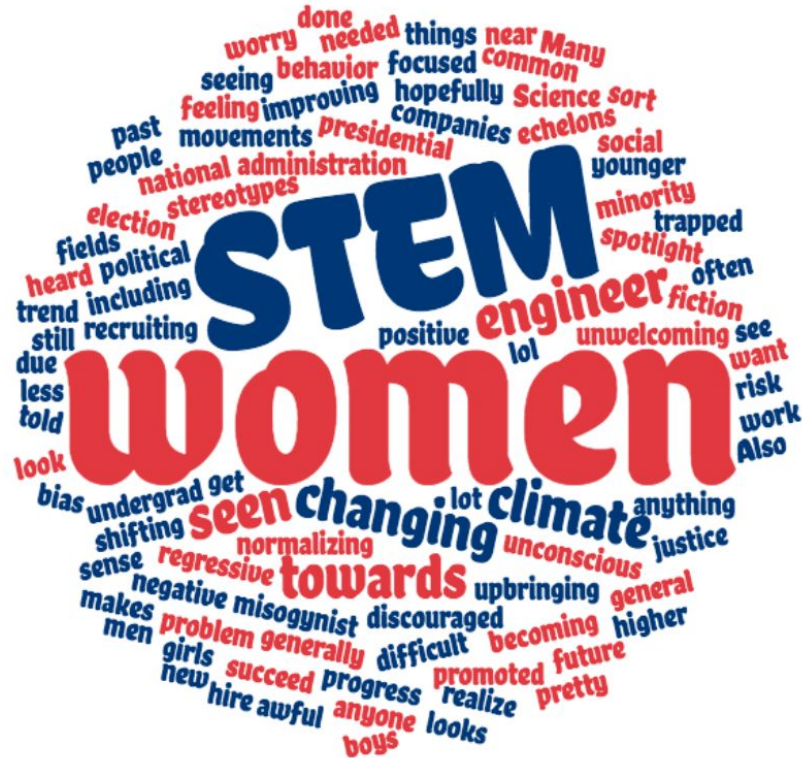


# Survey Results

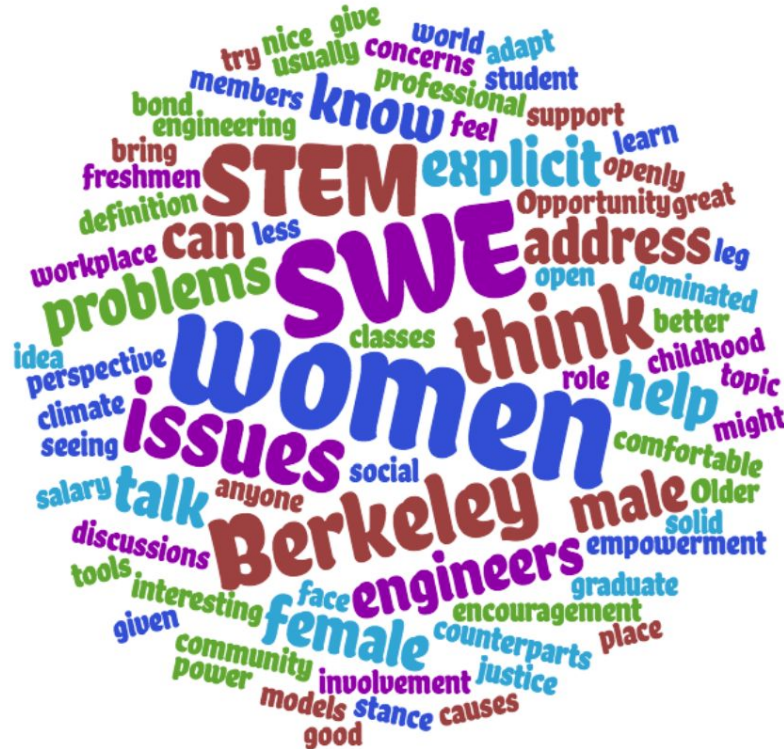
How do you feel about the climate for women in engineering at Berkeley?



# How do you feel about national climate for women in STEM?



What would you like to see from SWE this semester and in the future?

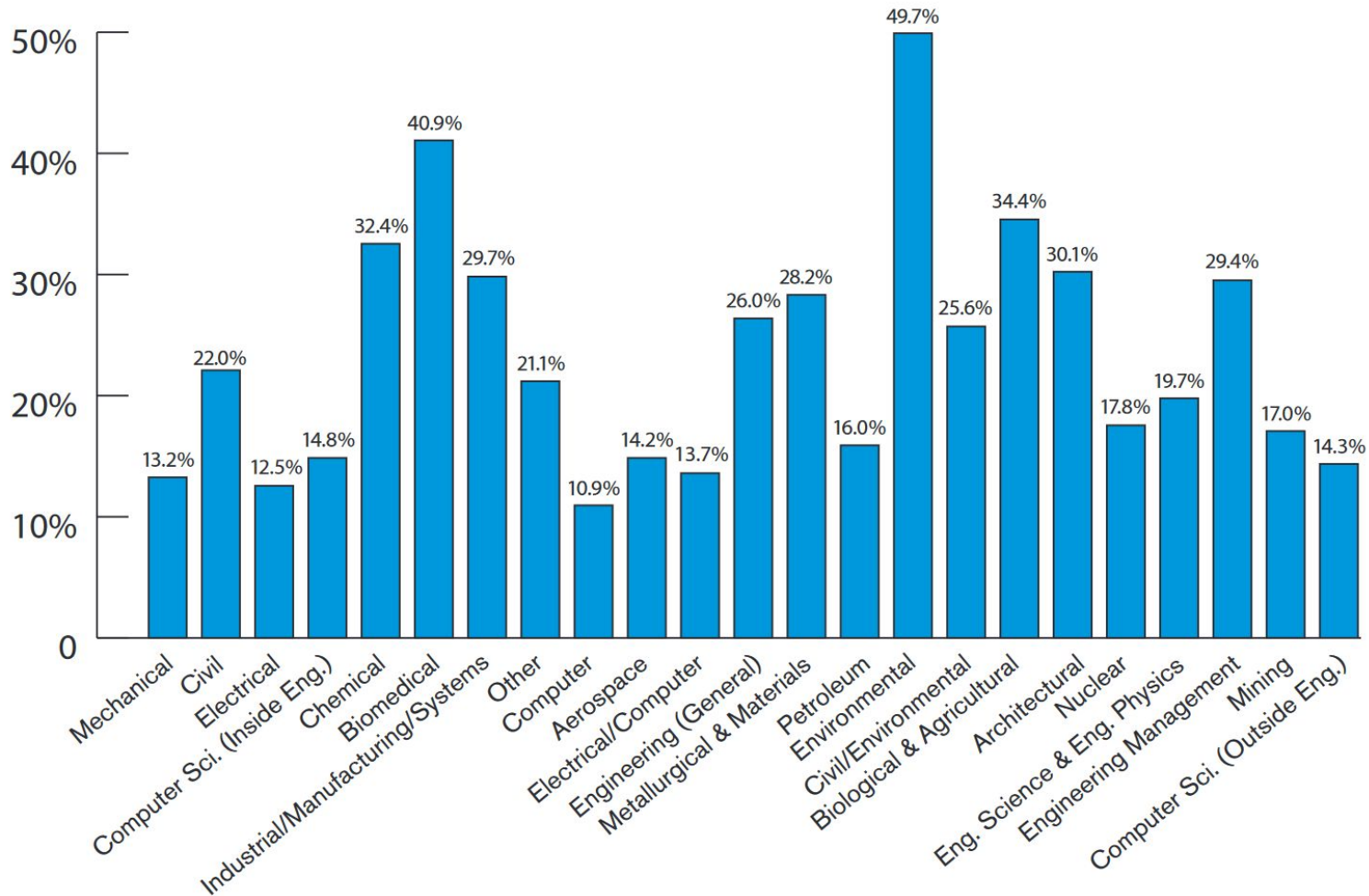


# The State of Women in STEM



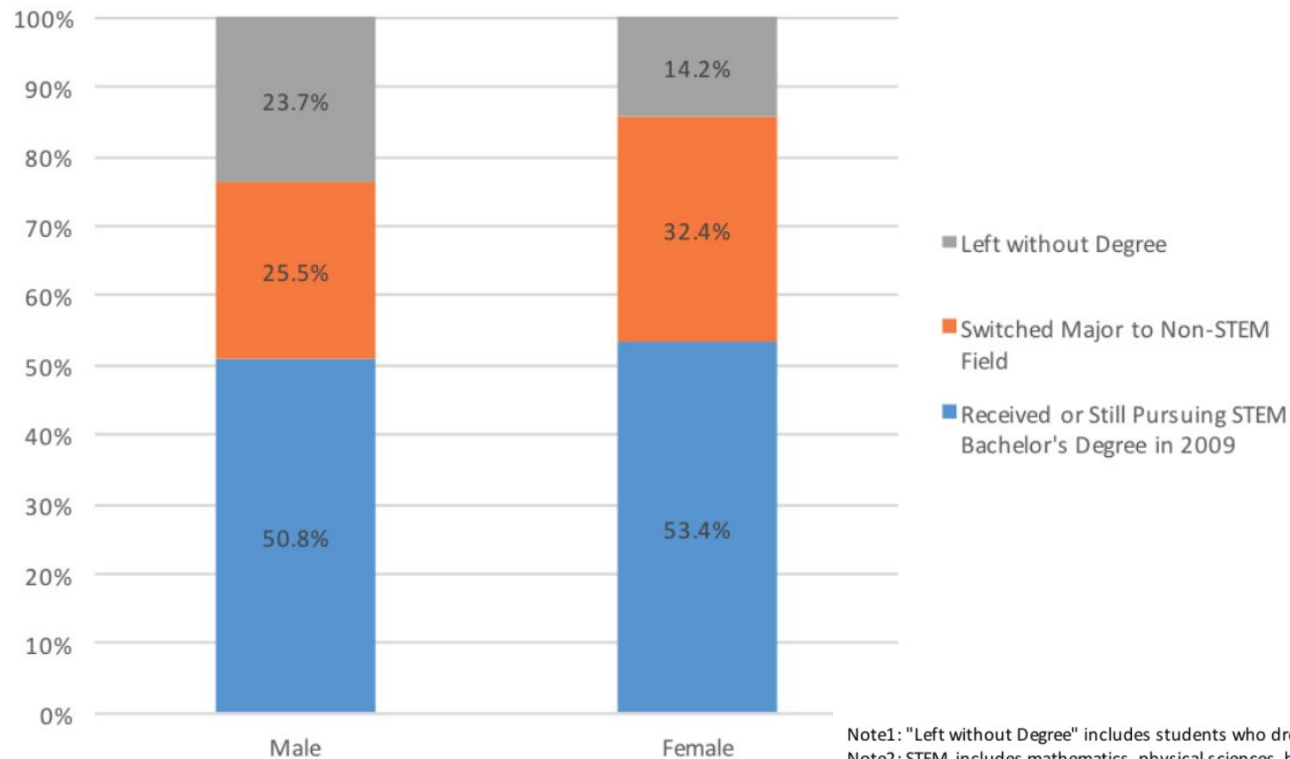
Females were awarded 19.9 percent of all Bachelor's degrees awarded by an engineering program in 2015 and made up 21.4 percent of undergraduates enrolled in engineering.

## PERCENTAGE OF BACHELOR'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 19.9% OF TOTAL



Yoder, B. L. (2016). Engineering by the numbers. American Society for Engineering Education.

## 2009 Outcomes of 2003-04 Beginning STEM Bachelor's Degree Students

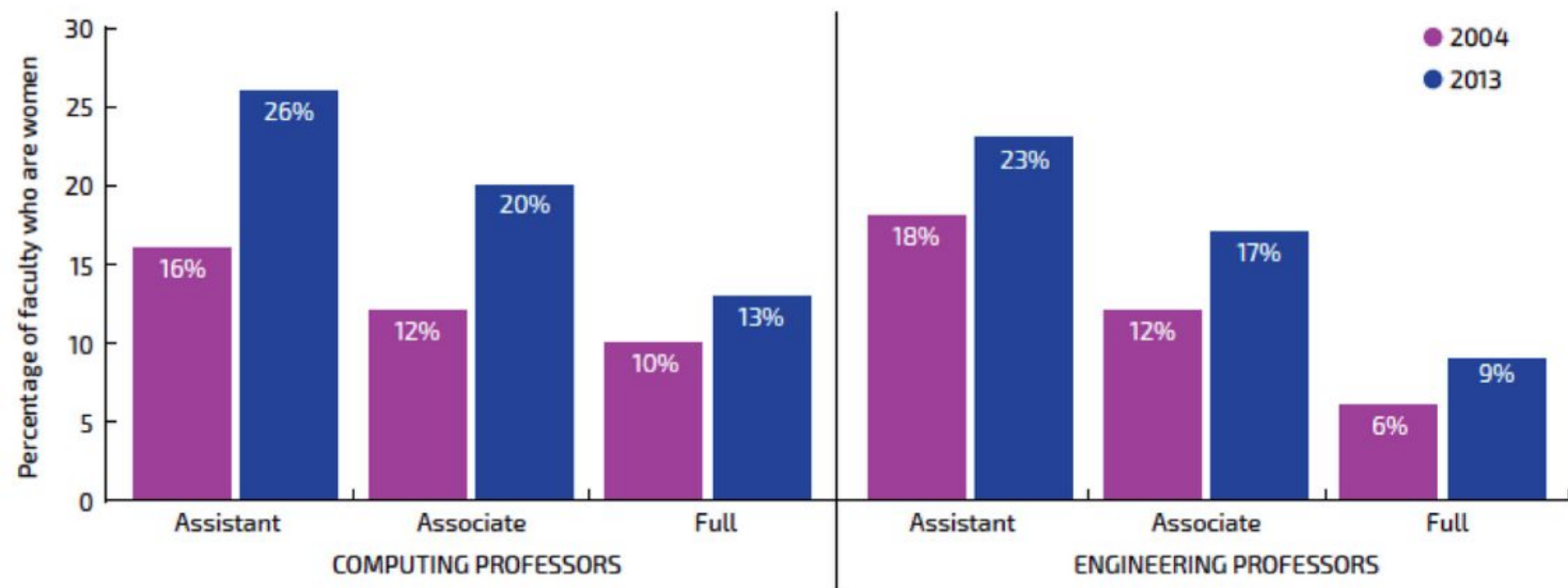


Note1: "Left without Degree" includes students who dropped out of college.

Note2: STEM includes mathematics, physical sciences, biological/life sciences, engineering, and computer and information sciences.

Source: Chen, X. (2013). *STEM Attrition: College Students' Paths Into and Out of STEM Fields* (NCES 2014-001). National Center for Education Statistics, Institute of Education Sciences, U.S. Department of Education. Washington, DC.

**FIGURE 13. FEMALE FACULTY, BY RANK AND DISCIPLINE, 2004 AND 2013**



Source: L. M. Frehill analysis of data from American Society for Engineering Education (2005, 2014) and Computing Research Association (2005, 2014).

# SWE Workplace Experiences Survey

Three Patterns of Bias faced by professional women engineers:

## 1. Prove-It-Again Bias

61% of women vs. 35% of white men reported that they have to prove themselves repeatedly to get the same levels of respect and recognition as their colleagues.

## 2. Tightrope Bias

Women often walk a tightrope, navigating both pressures to behave in feminine ways and pushback for behavior seen as “too masculine.”

## 3. Maternal Wall Bias

Nearly 80% of men said having children did not change their colleagues' perceptions of their work commitment or competence; only 55% of women did.

While 16.8% of the comments by male engineers expressed the view that diversity is threatening the quality of the profession and that women now have unfair advantages, or similar sentiments, only 3.6% of male lawyers made these kinds of comments in a similar survey.

Williams, Joan C., Su Li, Roberta Rincon, and Peter Finn. *Climate Control: Gender and Race Bias in Engineering?* Center for Worklife Law and Society of Women Engineers. <http://research.swe.org/wp-content/uploads/2016/11/16-SWE-020-Work-Study-11-01-LM.pdf>

Williams, J. C., & Li, S. Forthcoming. Understanding in-house and law firm lawyers' workplace experiences survey. Center for WorkLife Law, UC Hastings College of the Law.



# Professor Amy Herr

SWE faculty advisor



## Setting the Stage

- Topics/Questions from notecards
- Additional questions/concerns

# Facilitated Small Group Discussion



## Group Facilitators:

Prof. Amy Herr

Prof. Grace O'Connell

Tiffany Reardon

Anna D'Alessio

# Reflection



- What was a topic you discussed?
- What is a proposed action plan for SWE to address this topic?

# Next Steps

- SWE leadership will review proposed plans
- We will connect with ESS, other student groups, and other campus resources to continue this movement.
- Stay connected with SWE! See the plans you created come to life and provide feedback.
- If you want to share your story, consider writing a post for our blog! <http://tinyurl.com/write-swe-blog>

# Advocacy Resources

- SWE Legislative Action Center:  
<http://societyofwomenengineers.swe.org/legislative-action-center>
- Start or sign a petition: [Change.org](http://change.org)
- California Legislature/Bills: <http://leginfo.legislature.ca.gov/>
- Connecting women running for office:  
<http://incubator.sheshouldrun.org/>
- Grassroots for bringing STEM individuals into office:  
<http://www.314action.org/>
- Women in Leadership Conference: <http://www.wilconference.org>



# Keep in touch!

Sign up for our mailing list to stay connected!

**Thank you for joining us on at our Town Hall**

**Best of luck on midterms!**



[www.facebook.com/ucbswe](http://www.facebook.com/ucbswe)



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