Women in EE
Introduction

Women in UW College of Engineering (2015):

- BS 22%
- MS 26%
- PhD 27%

Only 9% of the engineering workforce is female

Engineering plays a large factor in the “gender pay gap”
What’s the problem?

Lack of women's perspective and presence:
  - In the classroom and workplace
  - Advancements in technology

Organizations such as SWE and WiSE aren't targeting specific engineering fields

Women aren't pursuing these high paying careers
Why is this Occurring?

Stereotypes associated with electrical engineers:
- Nerdy
- Antisocial
- For men

Lack of awareness of the EE field/curriculum:
- More than just building robots and computers
Proposed Solution

Begin an electrical engineering club for women at the University of Washington:

- Target freshman and sophomore women
- Recruit women students/faculty in EE
- Inform women from all majors
Proposed Solution

Provide mentors:
- Big sister/ little sister program (EE students/ Alumni/ Faculty)
- Guidance and support

Informative meetings:
- Explore how EE can help our society become more eco-friendly
- How EEs can help improve people's quality of life with new medical devices and technology
Proposed Solution

Workshops:
- Recyclable jewelry
- DIY solar panel
- Arduino powered decorations

Seminars on ongoing research:
- Women Faculty and/or PhD students

Networking:
- Lunch meetings
- Social events
- Job offerings
- Research opportunities
Conclusion

We strongly believe that this program will highly benefit the Electrical Engineering Department by increasing the number of women.

This program can easily be implemented into other majors such as Mechanical Engineering (ME) and Aeronautics and Astronautics Engineering (AA).
Comments/Questions?