

## **Fall 2013 SWE Freshman Rep and Chair Descriptions**

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### **Membership & Development**

#### Marketing & Media Fresh Rep

These chairs attend and record pictures and video from SWE events throughout the year. This documentation will be used to promote SWE in Powerpoint presentations, videos, and an end-of-the-year scrapbook. In addition, the chairs are responsible responsible for publicizing SWE to the rest of the MIT community through designing and coordinating SWE apparel, developing the SWE bulletin board in the Infinite, and organizing apparel sales in Lobby 10. Experience with apparel design, photography, publication design, and possibly Photoshop helpful.

### **Campus Relations**

#### Department Liaisons Fresh Rep

The Department Liaisons work to plan events that have an academic theme. These events may be panels, mixers, or study breaks. The goal is to allow the opportunity for MIT students to meet and develop relationships with faculty in particular areas of study or with other students that have similar academic interests. They will be in charge of planning the semiannual Meet the Professors Dinner with the Campus Social Chairs.

#### Internal Mentorship/Campus Social Fresh Rep

This fresh rep will coordinate with the two different sets of chairs. The Campus Social Chairs are responsible for planning events that aim to bring SWE and other members of the MIT community together. The Internal Mentorship chairs focus on building social and collaborative relationships within the planning board and SWE national members. They will be responsible for maintaining the Big/Little Sibling Mentorship Program by pairing members and planning related bonding activities.

### **Outreach**

#### KEYS (Keys to Empowering Youth) Fresh Rep

KEYS sessions are held three to four times per semester for middle school girls that are interested in learning more about science and engineering. MIT student mentors bring the girls to exciting labs around campus, where professors and post-docs teach them about their research. In the past, KEYS has visited places like the Bhatia Lab and the MIT Nuclear Reactor. KEYS also invites student groups to teach the participants, like the Laboratory for Chocolate Science, OrigaMIT, and the Solar Car and Rocket Teams on campus. The sessions also involve some kind of fun engineering challenge, like designing water-blasted rockets, pneumatic artificial arms, or the most protective egg-drop capsules. The girls and the mentors all have a lot of fun, and we all learn a lot in the process!

#### WISE (Women in Science and Engineering)

Multiple times a semester a small group of high school girls comes to MIT for an all day event. These girls visit MIT labs, complete fun hands-on activities, listen to panels of Professors and Professionals, and talk to MIT students about different areas of study and learn about dealing

with women's issues. The girls are matched with MIT mentors whom they can correspond with throughout the year.

#### Off-Campus Outreach Freshman Reps

Join the newest branch of SWE Outreach for an opportunity to explore new possibilities, start new outreach initiatives, and develop new goals. This committee was started last year and we've made a lot of exciting progress since then. We currently run an after-school, hands-on science program for grades 1-3 at Mason Elementary School. Often, we collaborate with the MIT museum and the Cambridge Science Festival to host hands-on activities or panels. We also have many works in progress, including a science program for local libraries and an e-mentoring program for high school students looking for college application advice. You can play a role in helping these new initiatives grow or in bringing your own ideas forward with the help of a dynamic group of committee members always looking for ways to expand outreach to new areas. This committee is where you can bring new initiatives from idea to reality, driven by the fact that the students that need inspiration the most often cannot make it to the MIT campus.

#### Mason Magellan Chairs (2)

You will be in charge of the Mason Magellan Program, a weekly program (tentatively held on Mondays) that brings fun and engaging science and engineering experiments to local elementary school students. This position will involve creativity and an eagerness to work with kids. You will plan the curriculum for each week and coordinate the program's travel and volunteers. We are looking for someone who is dynamic and high energy to make the program fun and educational.