

## **Materials Advantage Chapter California Polytechnic State University**

Our chapter has had a very eventful year so far, bringing in a variety of exciting speakers, participating in outreach events, and organizing social events for materials engineers at Cal Poly.

We pride ourselves on the wide range of industry speakers that we bring to Cal Poly for students to learn about profession development and job opportunities. Once every couple of weeks on Thursday nights we have general meetings for all materials engineering students as well as other majors. During these meetings we arrange for an outside speaker to come and talk to the students. We have had speakers talk about a range of topics from MEMs devices to corrosion to nanofabrication to patent law.

Our Materials Advantage chapter also participates in many outreach events around campus. Every fall and spring quarter, we help out with the Society of Women Engineer's Building an Engineer day. During the day we help do labs with over 100 middle school students, helping them gain more interest in materials science and engineering. We also help out with many materials engineering specific outreach events by doing demos on campus and at local grade schools; including our Non-Newtonian fluid (i.e., cornstarch and water) demo.



Finally, our chapter organizes at least one major social event each quarter so materials engineering students can get to know each other and feel more comfortable at Cal Poly. During the fall quarter we organized a start of the year barbeque and a Thanksgiving dinner. This quarter we are planning a bonfire and next quarter we will help organize an end of the year banquet.

We always try to include all levels of materials engineers at all of our events. By having an officer corps that consists of freshmen through

graduate students, we aim to be able to involve every class level and make everyone feel as if they can contribute and participate.

We also plan and organize for each year's TMS conference attendance.



For the past two years, we have sent a substantial undergraduate group to the conference; we sent over 25 students to the 2009 conference in San Francisco and 8 students (and our first Materials Bowl team) to this year's conference in Seattle. Next year we hope to be able to send even more student to San Diego!