

Penn State ASME Diversity Grant Report

Original Project Objective:

The Penn State ASME chapter would like to hold an Open House Diversity Event. The College of Engineering holds an Open House to introduce graduating high school seniors to the engineering programs available at Penn State. During the day there are time allotments for three major related sessions that the incoming students can attend. ASME would hold our Diversity Event during all three rotations, allowing students some flexibility on attending the event. At this event we would exhibit projects that have been completed by undergraduate Mechanical Engineers; allowing the incoming students to see what they will learn and accomplish if they are to enter the Mechanical Engineering major. We would also like to hold two design competitions during the event, an egg drop and a Play-Do Carrier exercise, which will allow the incoming students to better appreciate the ideas behind Mechanical Engineering.

Final Project Summary:

The event held during the Engineering Open House was a success. There were approximately seventy five people in attendance; with 17 being a minority and 25 being women. The costs exceeded the amount given by ASME, but were covered through other means. These costs covered basic food, supplies for the competitions and the brochures used to promote the event. Two competitions were held at the diversity event as described above, but had lower attendance than expected. This was due to the students having multiple events to attend during the day with different majors, which led to less time for them to stop and participate in a specific competition. The design showcase, however, was a great success. Projects from a variety of classes were shown to the students allowing them to see what could be accomplished if they were to enter the mechanical engineering major at Penn State. We were also able to network with the Penn State Eco Car group, who work on using new technology to make vehicles more fuel efficient, and their current display car.

This event was able to achieve the level of success that we found with the help of the Multicultural Engineering and Women in Engineering groups, who used their involvement with the students itinerary to promote the event.

Diversity Grant Summary

Project Name: ASME Open House Diversity Event

College: The Pennsylvania State University

Date: February 28, 2009

Student Contact: Justin Gambone

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Student Section Advisor: Eric Marsh

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Address: Penn State ASME, Reber Building
State College PA, 16803

Funding:

Received Funding: \$300

Total Costs: \$600

Attendance:

Total: ~75

Minority: ~17

Women: ~25

Pamphlet For The Open House Diversity Event

ECOCAR CHALLENGE

The EcoCAR challenge is a multi-college competition to construct vehicles employing innovative technology which reduce greenhouse emissions, have better efficiency, and reduce overall petroleum consumption.



The EcoCAR will be on display in front of the Reber Building.

239 Reber Building

9:30

11:00

12:30



ASME: Penn State
asme@psu.edu



ASME OPEN HOUSE



239 Reber Building

9:30
11:00
12:30

Brought to you by the
American Society of
**Mechanical
Engineers**

Undergraduate Students

- Students from all years will be attending to answer your questions.
- Get feedback on the mechanical engineering program, clubs and college life.
- Find out what it is like to be a mechanical engineering student at Penn State.



Design Competition

There will be two competitions at each session

- Play Doh Carrier
 - Build a container that will carry a ball of play doh and launch it the furthest.
- Paper Airplane Contest
 - Make the best airplane for distance, time of flight, and accuracy.



Prizes will be given to the winners!

Food and drinks will be provided at each session.

ME Project Display

- Stop by to see what you can accomplish by becoming an ME at Penn State!



- Current undergraduate students will be showcasing projects they have completed for classes, clubs and competitions.
- Graduate students will be attending to show you their current research and projects.
- Learn about every aspect of mechanical engineering.