

MIE Competition Rules

In honor of the UIC Flames, we continue the **Flamobile** Competition!!! MIE students interested in competing are asked to build a small car powered by a mousetrap with a candle attached. The three cars that comes closest to a marked spot on the atrium floor without the candle blowing out each win a prize! (Prizes: Bookstore Gift Certificates of \$25, \$20, and \$15)

Sponsored by the MIE Societies---

UGSAB-Undergraduate Student Advisory Board

ASME-American Society of Mechanical Engineers

IIE-Institute of Industrial Engineers

Pi Tau Sigm-Mechanical Engineering Honor Society

ASHRAE-American Society of Heating Refrigeration and Air-conditioning Engineers

SAE-Society of Automotive Engineers

Wednesday September 14th, 2005 starting 11:45am in the ERF Atrium

A limited number mousetraps, candles, car kits are available for FREE in the MIE main office.

The competition will be judged by Professor Centinkunt with advice from MIE Alum Steve Spentzas. The judge's responsibilities will include the following:

- Evaluate the safety of the apparatus
- Verify the measured distance between the candle and the center of the "X".

The objective of the competition will be to build a MOUSETRAP CAR that will send a lit candle closest to the center of an "X" and stop. The "X" will be located 12 feet away from the start line.

The requirements are as follows:

- Only one mouse trap may be used per car.
- There can be no modifications to the mousetrap itself.
- There can be no extensions to the mousetrap.
- The apparatus must safely hold the flame. One standard birthday cake candle will be provided for each car.
- Scoring will be based on distance from the center of the "X" to the candle located on the car.
- Teams can be no more than three people per entry.
- There may only be one entry per student or group of students
- All contestants must be enrolled in a MIE department program of study
- The distance will be determined by the best run of two tries

The contestant(s) may be disqualified from the event for any of the following reasons:

- The apparatus is in violation of fire safety as determined by the judges.
- If the candle blows out any time from the launch to complete stop.
- If any contestant(s) exhibits unethical behavior.