

RoboChallenge

2002-2003

Final Competition, May 10, 2003

Schedule:

8:30 AM	Arrival, breakfast
9:00 AM	Sign in, T Shirt distribution, Robot Competition Sign Up/Registration
9:30 AM	Introduction– speeches, orientation
10:00 AM	First Competition: Tug O' War begins. Single elimination, all ages, multiple simultaneous matches
11:30 AM	Lunch
1:00 PM	Sumo: single elimination, simultaneous remote and autonomous, all ages
2:00 PM	Triathlon: 2 levels: elementary and Junior/Senior, the three events and 2 age classes will be tested simultaneously
3:00 PM	Talent Show– elementary first, then Junior/Senior, one at a time
4:00 PM	Closing ceremonies, evaluation/raffle, special recognition
4:45 PM	Departure from UCSB, University Bus Loop

Registering Robots:

All robots will need to be registered for each competition that they will be used for. Be sure to provide the name of the robot, the name of the school, and the names of the builders of the robot. Each competition needs this information. If your robot undergoes changes between events, be sure that it is checked for specifications in the form it will be used for the event. For example, if your robot has removable mass to switch between 700g Sumo and 840g Tug O' War, be sure that it is weighed in each form. Be careful when getting your robot and dropping off your robot. Do not touch other students' projects. Keep track of your robot. Be sure you can pick it out of a crowd.

Events:

To keep events running smoothly, be sure to pay attention to when your robot will be competing. When it is your turn, be sure that you and your robot are ready. If you are not participating in an event, be sure to give space to the competitors and judges. Students should be on their best behavior at all times.

Lunch:

Please keep all food outside of the Gym. Food will be served by the lawns outside.

Competition Summaries:

Tug O' War: Robots with only 2 motors and a maximum mass of 840 grams attempt to pull one another toward a line. All ages.

Sumo Autonomous: Robots act on their own to push another robot out of a circular ring with a black border. All ages.

Sumo Remote: Robots are controlled by wired sensors or with infrared signals (The Mindstorms Remote is not allowed– it will control all robots in range). All ages.

Triathlon: Robots compete in three events: Strength, Speed, and Skill. The robot must pull weight, cross a table and return, and then follow a line. There is an elementary category and a junior/senior category.

Talent Show: Robots show off their skills. There is an elementary category and a junior/senior category.

Coming Robotics Events:

Sozbots: one pound robots like Battlebots, June 14, Santa Barbara, CA
<http://www.sozbots.com/>

The Robotics Society of America Summer Robot Games and Expo: July 27, 2003, Fort Mason, San Francisco
<http://www.robotics-society.org/>

For more information on **RoboChallenge**, visit the website:
<http://homepage.mac.com/mrlaurie/robo/robochallenge.html>