

# **CURM**

## **Convention of Unconventional Robotic Movement**

### **hosted by RAS**

**Date: TBD**

**Time: TBD**

**Place: RAS Office**

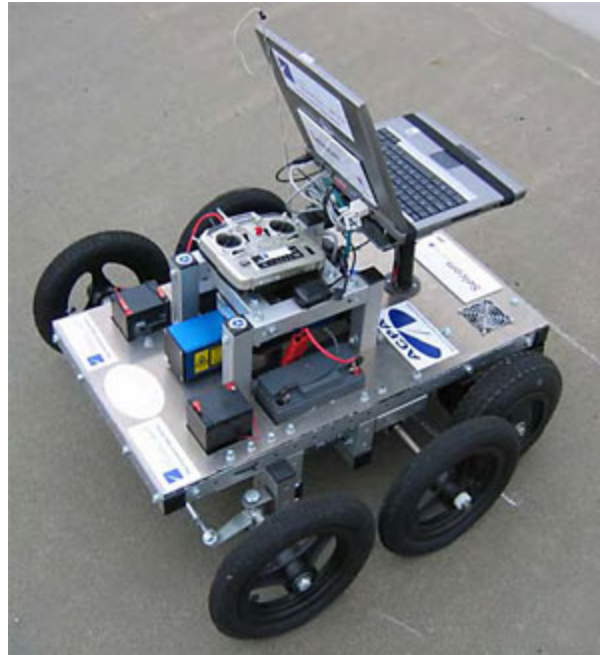
### **Motivation**

The purpose of this convention is to stimulate innovation in the area of unconventional robotic movement. We liberally define “robot” as an object that requires electronics to interact with the world around it. We define “unconventional movement” as movement that does not require use of actuated wheels or treads in order to achieve forward propulsion.

For example, this is unconventional:



And this is not unconventional:



So anything like a tank or a car is not okay, but stuff that gallops like a horse, flies like a goose, or flops around like a suffocating whale would be totally cool.

## **Why?**

Because although tank robots are easy to make, they are also exceptionally boring, and we've made too many of them. We pretty much want to see cool robots being built.

## **Competition**

Aside from showing off to each other our awesome and awesomely unusual robots, there will also be a competition. It will consist of a race straight down the concrete walkway in front of the RAS trailer. Here are the rules:

1. A person or group of people may enter any number of robots in the race
2. Entries must be built from the ground-up by the person or people entering it
3. Entries must fit inside a 2 by 2 by 2 foot box
4. Entries must satisfy the convention standards of using "unconventional robotic movement" (as defined above)
5. There will be two categories:
  - a. One for the fastest robot
  - b. Another for the robot that goes the farthest

6. In order to be eligible to be evaluated in either category, an entry must have moved at least **five feet** down the walkway
7. Entries may run the race alone, with the accompaniment of at least two judges to time the run
8. Prizes are given for the best of each category. Prizes will include a plethora of “pats-on-the-back” and involve copious amounts of recognition and adoration from all witnesses.

## **Logistics**

- Members of RAS can use trailer resources to build their robot. Trailer resources include the right to bug anyone in the trailer at any time for help/advice, any unused parts laying around, or any tools not being used.
- One does not need to be a member of RAS to join. However, if you are not a member of RAS, you have to obtain your own material for the robot. So, joining RAS would be beneficial to you.

## **Questions**

For any questions, concerns, or clarifications, feel free to ask people in the RAS Trailer - they will likely redirect you to Robby or Yves, who are heading the competition. Whether you have an idea and no idea how to tackle it, or vice-versa, people in the RAS Trailer are always willing to work with you.