

# TOURNAMENT REGISTRATION 8/3/13

**Please fill out one registration form for each robot & bring with you.**  
**One entry per category per individual or team. An individual cannot be on more than one team.**

**ROBOT NAME** \_\_\_\_\_

**ROBOT WILL PARTICIPATE IN: SUMOBOT** \_\_\_\_\_

**LEGO or OPEN LINE FOLLOWING** \_\_\_\_\_

**TEAM NAME** \_\_\_\_\_

**TEAM** \_\_\_\_\_

**MEMBERS** \_\_\_\_\_

**(name & age)** \_\_\_\_\_

\_\_\_\_\_

**Email contact** \_\_\_\_\_

\_\_\_\_\_

To be completed by Inspector

## **Robot Inspection for Sumobot Entry:**

Sumo-bots may be constructed only out of 1) LEGO-manufactured parts, or 2) third-party sensors sold through LEGO-sanctioned channels (e.g. HiTechnic sensors). Only stock, unaltered parts may be used. No part may be altered or modified.

**Width (11 ¼")** \_\_\_\_\_ **Initial Movement:** \_\_\_\_\_  
**5 second Delay** \_\_\_\_\_  
**on startup?** \_\_\_\_\_

**Length (11 ¼")** \_\_\_\_\_

**Height (11 ¼")** \_\_\_\_\_

**Weight (2.5 #)** \_\_\_\_\_

**CPU TYPE (1)** \_\_\_\_\_

**Program Language** \_\_\_\_\_

**# of Motors (up to 3)** \_\_\_\_\_

**Additional rotation sensor** \_\_\_\_\_  
**(for non-NXT only) (1)**

**#of Sensors** \_\_\_\_\_

**Additional Battery Box (1)** \_\_\_\_\_

Sensors Allowed: Two touch sensors and one light sensor, plus no more than two other sensors of any type. Robots not using NXT motors may also use one additional rotation sensor.

## Robot Inspection for LEGO Line Following Entry:

**12 & younger group** \_\_\_\_\_

**13 & older group** \_\_\_\_\_

Robots must be constructed only out of 1) LEGO-manufactured parts, or 2) third-party sensors sold through LEGO-sanctioned channels (e.g. HiTechnic sensors) \_\_\_\_\_

**Maximum Width:** 9 1/2 inches, or 24cm \_\_\_\_\_

**Maximum Length:** 15 1/4 inches, or 38cm \_\_\_\_\_

Height and weight are unconstrained.

CPU Type (1) \_\_\_\_\_

Sensors Not Limited \_\_\_\_\_

Motors (Up to 3) \_\_\_\_\_

Additional Battery Box (1) \_\_\_\_\_

## Robot Inspection for Open Robotic Line Following Entry:

Robots may be constructed of any electrical and/or mechanical components subject to the size and weight restrictions below \_\_\_\_\_

Electrical and mechanical energy storage devices (e.g., batteries, springs, compressed air) are permitted. Combustion engines are not allowed due to exhaust gas and excessive noise. \_\_\_\_\_

Each robot must be developed and designed by the contestant(s). The use of commercially available modules is allowed, but teams may not use a complete robotic system or kit which is sold ready for the purpose of the competition. \_\_\_\_\_

**Maximum Width:** 7 7/8 inches (20cm) \_\_\_\_\_

**Maximum Length:** 7 7/8 inches (20cm) \_\_\_\_\_

Height and weight are unconstrained.