

TOURNAMENT REGISTRATION 8/11/12

**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 1/4")	_____	Initial Movement: 5 second Delay on startup?	_____
Length (11 1/4")	_____		
Height (11 1/4")	_____	Weight (2.5 #)	_____
CPU TYPE (1)	_____	Program Language	_____
# of of Motors (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.