

# Judges Choice

Effective November 22, 2015

Code: JC1  
 Control: Autonomous, or Semi-Tethered.\*  
 Open to: Open to all!  
 Max Robot Size: 35" wide (Must fit through a doorway)  
 Weight limit: 50Lbs / Axle  
 Size of Playing Field: none

Explanation: **Judges** Choice is a chance to show off your treasured robotic creation.

Rules: **Robots** entered into the Judges Choice competition **MUST** be able to independently demonstrate a stated task. e.g. ...  
**Independently** avoid obstacles whilst navigating a pre-determined course.  
**Differentiate** between different objects then pick and place, demonstrating repeatability.  
**Identify** between the front or back of a human and communicate only with the front.  
**Identify** when a vacuum cleaner is 90% full then empty the canister in an appropriate location and recharge the system.  
**Create** a simulated intensive hog raising barn, or hydroponics building that automatically controls pumps, lighting, heating/cooling, ventilation, etc., with appropriate alarms in case of systems failure.  
**Etc**, etc, ...

**All** robots entered that utilize any form of artificial intelligence (AI) must employ the three rules of robotics.

- 1) Cause no harm to humans.
- 2) Obey all human commands unless it conflicts with rule 1.
- 3) Protect all human life.

**Contestants** will be required to have their robots on display for at least an hour during the day. Contestant is to tell the master of ceremonies who will announce that you are available.

**Contestants** should be willing to communicate to the viewing public about their robots during this period.

\* Semi-Tethered - Remote control will be allowed to instruct the robot to change from one program or instruction set to another.