



# Robotics Innovations Competition & Conference

hosted by Worcester Polytechnic Institute

Please fill out this form electronically and save a copy. Once complete, you may submit the application via email, fax, or mail. Be sure to include any additional pages or materials as necessary. Please submit your application through only one of the options below. You will receive a confirmation once your application is received.

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## Detailed Description of Robot

In order to ensure that adequate time and space are available to demonstrate each robot entered we require more information than is required on the initial application. It is expected that this detailed description form will be filled out after major design decision have been made.

A detailed description form must be filled out for each robot entered in the competition.

Please feel free to use additional pages as necessary or to submit your answers in a separate, appropriately labeled document.

At least one member of each team registered for the competition must also register for the conference. A form for conference registration can be found at [ricc.wpi.edu/register.html](http://ricc.wpi.edu/register.html).

Team Name: \_\_\_\_\_

University: \_\_\_\_\_

## Primary TEAM Contact Information

Name: \_\_\_\_\_ University: \_\_\_\_\_

Address: \_\_\_\_\_

E-mail: \_\_\_\_\_ Phone: \_\_\_\_\_

## ROBOT Information

### **Description of the physical characteristics of the robot**

Including items such as power source, maximum speed, turning radius, volume (length, width, height), approximate weight etc.

### **Description of the robot's propulsion system**

Including items such as types of motors, wheels, tracks, legs, etc.

### **Description of the robot's control system**

Including items such as communications to/from robot (WiFi, cable, etc)

### **Description of safety mechanisms**

Including items such as electrical safety, mechanical safety, fail-safe mechanisms, etc

### **Other**

Including items such as approximate setup time required, approximate demonstration time required, environmental constraints (lighting, floor surface, etc), and any other information about the process required to demonstrate your robot