

Semi - Automatic Robot : SUMO

Objective

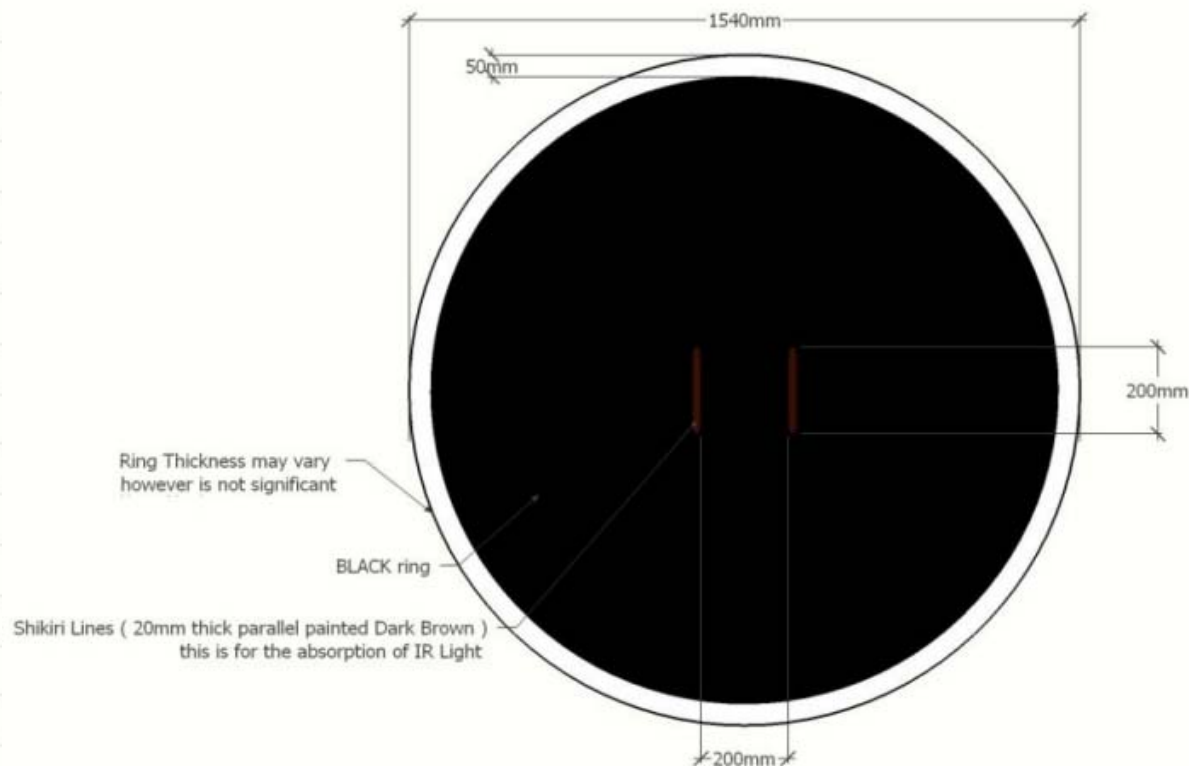
Participants are required to build a remote controlled, self-contained mobile robot that is able to push its opponent out of the specified ring according to the tournament rules.



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Game Field Specification

- The Sumo Ring is mainly made up of a circular wooden plank painted white as the outer ring and black as the inner ring. Thickness of the ring is not significant however, it must be of some thickness to support the movements of the robots on it.



Automatic Robot : Robo Rescue

Robot Dimensions

- The size of the robots shall not exceed 25cm (length) x 25cm (width)
- Maximum weight 1 kg.
- Maximum Moter Power 20 watt
- There is no height restriction and it may take any shape and size once the match begins.

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Robot Dimensions

Control

- The robot shall be remote controlled with any form of wireless control. Interference with opponents control system is strictly prohibited. Participants should take the necessary considerations of their own wireless remote control interferences if any. Organizers will not be responsible for outside wireless interferences. No external physical intervention is allowed.

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Game Rules

- Participants will be randomly paired up as opponents in their individual categories. The Sumo Game is played by elimination.
- Each game consists of 3 matches. Each match shall last for 2 minutes. The winner of the 3 matches will move on.
- If a game ends in a draw with no winner, a 4th sumo match will be played. In the event there is still a draw, a 5th head to head strength match will be held immediately to decide the winner.