Problem Statement

The design goal is to create a remote-controlled robot capable of immobilizing other robots. The machine must fulfill all of the level one requirements listed below. It will be placed in the ring with two other robots built by other teams for the same purpose. For three minutes the robots will fight each other attempting to render the others helpless or immobile. The competition will last for a series of three three-minute rounds which will be separated by five-minute breaks to repair the robots. Judges will award points based on the robots' performances to determine the winner.

Level One Requirements

- Less than 25 lbs
- Fits in 18 in cube
- Must be able to move under its own power
- Must be able to be controlled remotely
- Adheres to weapon limitations
- Costs less than $1000
- Able to run for 3 minutes on one charge
- Not a preassembled robot or toy
- No unsportsmanlike conduct

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