



Team Automation & Robotics Student Competition Outline and Rules

Scope: LAB Midwest, FANUC, and Expo Productions, Inc will conduct a Team Automation & Robotics Competition at the Wisconsin Manufacturing and Technology Show held October 8th – 10th, 2019 at Wisconsin State Fair Exposition Center.

Contestants and Registration: Qualified contestants must be a student at a technical college or high school during the fall 2019 term. Contestants will register as a team, and registration must be completed online. Registration deadline is to be determined. Competition hours to take place Tuesday 1pm-7pm and Wednesday 9am-5pm.

Rules: Teams of 3 will have 3 hours to design an automated solution to a proposed manufacturing objective using a FANUC LRMate 200iD educational robot. The teams will have to strategize and design a solution, choose end of arm tooling, program the robot to complete the objective, and then actually operate the robot performing the task. The final operation of the robot will be filmed for the benefit of the judges.

Judging: The judges (industry experts and representatives) will look at the complexity of the program, the success of the operation (on the video), and a number of other factors to determine the winning teams. A full list of judging criteria will be released in the coming months.

Prizes: The first place teams in both divisions will receive an award for their school. Individuals on first, second and third place teams in each division will receive scholarships.

***** PLEASE NOTE: MORE DETAILS REGARDING SCOPE, REGISTRATION, RULES, JUDGING, AND PRIZES TO COME*****