DARPA ROBOTICS CHALLENGE

The first video is about a collection of robots falling down at DARPA 2015 robotics challenge. We find most of the robots participating in the challenge fail in the first step. The challenge progressed to the final round with two teams, IHMC Robotics team and Team kaist (Korea Humanoid robot), still fighting for the first position in the challenge.

The second video describes the journey of the IHMC Robot in the DARPA Robotics challenge. The challenge is to complete 8 tasks, a human can do, efficiently in time. These robots use sensors to detect obstacles. Almost 200 commands/second were executed in order to run the robot. Also the additional spinning devices added the extra feature, that it creates the 360deg free dimensional model of environment , that helps in detecting obstacles. IHMC team was a 24 members team at last , with almost 100 members at a point of time. The movements of the robot are similar to a human. As the competition is for humanoid robots, team members mainly concentrated on the movement of robots. And the robot accomplish the challenge in 54 minutes 21 seconds. The other robot from team kaist also accomplished all the tasks 6 minutes earlier. So the final winner is Team kaist.

In my view the reason behind the success of kaist team is they just concentrated on the tasks but not on the movements of the robot and the reason for the loss of Ihmc team is they thought that a humanoid robot should has the movements like human. And instead of that if they concentrate more on tasks then they would have accomplish the task earlier than kaist team.