

# Mini Urban Challenge

## May 2016

In May of this year, the Doolittle Institute sponsored the Mini Urban Challenge (MUC) national finals at the Tampa Bay Convention Center. This event is a national competition sponsored by AFRL, SOCOM and DI. This competition challenges high school students to design and program a robotic vehicle that can autonomously navigate a mini-urban city using a LEGO MINDSTORMS EV3 kit. The field measures 42' x 10' and the robots must demonstrate basic navigation skills such as navigating intersections, circumnavigating road blocks, parking, and avoiding other robots on the field.

## Event Outcomes

- The event had teams across the nation competing for awards like Best in Show, Best Engineering Design, and Best Technical Presentation.
- Participants winners in five regions (California, Florida, Louisiana, Ohio and Washington D.C.) competed in the national finals, with 1st place going to the 305th legion team from Miami, FL.
- The Cedar Rapids team from Ohio placed second, and 3rd place went to the team from Sherman Oaks, California.
- The Best in Show award went to North Caddo Robotics Team 2 from Louisiana.