

Robofest is Lawrence Technological University's international autonomous robotics program for students in 4th grade - 12th grade and college. Student teams design, construct, and program their robots to act independently and compete for trophies in a variety of competitions.

Robofest's mission is to generate excitement among young people for science, technology, engineering, and mathematics (STEM), develop creativity and problem solving skills, and prepare them to excel in higher education and technological careers.

*Robofest extends a special thank you to the 2018 sponsors. These sponsors help to keep Robofest the most affordable autonomous robotics competition in the nation. For sponsorship opportunities, please contact [robofest@LTU.edu](mailto:robofest@LTU.edu)*

## Robofest 2018 Sponsors

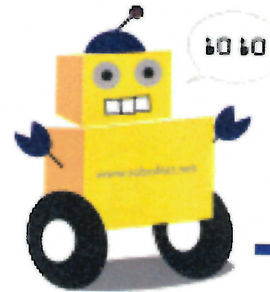
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For more information about Robofest  
[www.robofest.net](http://www.robofest.net) or e-mail [robofest@LTU.edu](mailto:robofest@LTU.edu)



# Welcome to Robofest Competition

LAWRENCE TECHNOLOGICAL UNIVERSITY  
**ROBOFEST** 2018  
*Little Robots, Big Missions*

Thursday, March 22, 2018  
6:00 PM - 9:00 PM  
Check in at 5:30 PM

Hosted by

 **WILLIAM D. FORD**  
CAREER-TECHNICAL CENTER  
36455 Marquette • Westland, MI 48185  
**734-419-2100**  
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Wayne-Westland Community Schools  
Shelley Holt, Ed.D., Superintendent  
Steven J. Kay, Principal  
Daniel E. Calhoun, Assistant Principal

## Robofest - Schedule of Events

5:30 PM and 6:00 PM

### Pre-competition check-in and set-up



6:00 PM

### Opening Ceremony

Master of Ceremonies by Tom Oddi

National Anthem & Pledge of Allegiance:

Mackenzie Pierson	Abigail Hardin	DeAira Lucas
Hailee Melow	Caitlin Gines	Abigail Finley
Emily Smith	Lauren Thomas	Zuriel Phillips

Welcoming Remarks by Daniel Calhoun, Assistant Principal

Introduction of Teams, Judges and Volunteers

Explanation of Judging Rules and Training

Video - Madison Bojanowski and Brandon Foster

6:30 PM

### Senior Games Round 1

Before the round starts, the teams will have 30 minutes to program an unknown challenge into their robots, which will then be impounded, awaiting the Collecting Tennis Balls competition. The robot is programmed to locate and collect tennis balls and place them in a box, while also removing trash bottles from the table. This must be completed within 2 minutes.

### Exhibition Competition

Each team to show off their creative autonomous robotics project with sensors.

### Senior Games Round 2

Before the round starts, the teams will have 30 minutes to program an unknown challenge into their robots, which will then be impounded, awaiting the Collecting Tennis Balls competition. The robot is programmed to locate and collect tennis balls and place them in a box, while also removing trash bottles from the table. This must be completed within 2 minutes.

### Awards Ceremony / Closing Remarks

*All Contestants: Please stay for group photographs after ceremony*

## Games - Division & Objective

### Collecting Tennis Balls Game

The autonomous robot is programmed to locate and collect tennis balls and place them in a box, while also removing trash bottles from the table. This must be completed within 2 minutes.

### Exhibition Competition

Exhibition is a way for students to show off their imagination, innovation and creativity. Each team has the freedom to create interactive and intelligent robotics projects using sensors to program either robot-to-robot or human-to-robot interactions.

## Today's Teams

### Senior Games

Team ID	Team Name	City
528-1	Ford Ball Team	Westland
2072-1	Eagles	Southfield
2226-1	Ball Rocket	Westland
2228-1	Zebra Ball	Wayne
2785-1	GeoCorp Robotics	Dearborn
2964-2	Napoleon Green Team	Napoleon

### Senior Exhibition

Team ID	Team Name	City
1542-1	MJW	Tecumseh
1542-2	CANS	Tecumseh
1542-3	TEAM RC	Tecumseh
2423-1	Women In Technology	Hartland

Game Trophy Winners at today's event automatically qualify for the Robofest World Championship at Lawrence Technological University on May 19. All other Game teams may participate in the MI Invitational event for Sr Teams at LTU on Wednesday, April 25 – 5:00 pm – 9:00 pm for a second chance to qualify. Registration will open on April 2, 2018.

The Exhibition trophy winner qualifies to compete in the Robofest Virtual Regional. Exhibition teams must upload a presentation video to the Team Registration Site on the Robofest.net website to be screened. Video submission deadline is 11:59 pm Sunday, April 15, 2018. (for more information, please see official rules on Robofest.net).