LAWRENCE TECHNOLOGICAL UNIVERSITY ROBOFEST

ROBOFEST 2018 – 2019 SCHEDULE

All Schools, Teams, Students, and Volunteers Are Welcome!

Events is free to public!

6th RoboParade w/ RoboArts Competition

Hosted by: St. Pete Beach Recreation Center

7701 Boca Ciega Dr., St Pete Beach, FL 33706

Date: Saturday, November 10, 2018 Time: 9:00am – 3:00pm

KICK-OFF: Saturday, **September 15**, 2018 Time: 1:00pm – 3:00pm Location: SPB Rec. Ctr.

REGISTRATION: Open in early October DEADLINE: **October 31, 2018**

Competition Categories	Division / Grade	Description
RoboParade	4th ~ 8th	RoboParade® Elaborately decorated robotic floats autonomously parade along a route in a colorful, creative display. A parade of autonomous robotic floats . Level: beginners, Team size 1–5*; Fee per Team: Registration $30 & Check-in $20.*
RoboArts	Jr. 5th ~ 8th Sr. 9th ~ 12th	**RoboArts** Robots perform, dance, make music, or paint in this interactive kinetic art and sculpture competition. Level: *Intermediate–Advanced; Team size 1–5; Fee per Team: Registration $30 & Check-in $20.*
Robot Drawing Contest	K ~ 3rd	Imagination is more important than knowledge. Children will draw pictures of robots of the future. Theme – Unknown. *Fee per Child: Registration $20 & Check-in $0*.

11th Robofest Qualifying Competition

Hosted by: Nielsen

501 Brooker Creek Blvd., Oldsmar, FL 34677

Date: Saturday, March 23, 2019 Time: 9:00am – 1:00pm

KICK-OFF: Virtual Session 1, **Dec** 2018 Date and Time: TBD

REGISTRATION: Open November 2018 DEADLINE: **March 12, 2019**

Competition Categories	Division / Grade	Description
Game	Jr. 5th ~ 8th Sr. 9th ~ 12th	Accomplish robotics missions using fully autonomous robots. Robofest Game especially puts math skills to the test. Level: *Intermediate–Advanced; team size 1–5; Fees per Team: Registration $50 & Check-in $20.*
Exhibition	Jr. 5th ~ 8th Sr. 9th ~ 12th	Each team has complete freedom to show off any creative computer programmed robotics R&D project. Level: *Intermediate–Advanced; team size 1–5; Fee per Team: Registration $50 & Check-in $20.*

For Info Contact: Emma Alaba /Director, Host Organizer Robofest in FL

Email: simplepc4u [@]aol.com Website: www.simplepc4u.com, **www.robofest.net (Competition Details).**

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.

Starting a Robofest Team Is Easy!

Robofest Workshops - TBD

Step 1	Gather friends from your school, neighborhood, afterschool clubs, church, or homeschool to form a team of up to five members.
Step 2	Choose a coach – any adult (parent, teacher, or friend) who would like to coordinate team meetings, competition registration, etc. The coach does not need to be technologically knowledgeable and can support more than one team. A technical mentor is suggested, if available, and can be a parent, a volunteer from a local company, a teacher, a high school or college student, or anyone interested in learning robot design or programming.
Step 3	Choose your competition. Learn more about each competition at www.robofest.net. Base your selection on your skill level, the amount of time required, competition date, and what sounds fun to you!
Step 4	Review www.robofest.net for competition rules, supplies required, and registration and competition dates. Register for your chosen competition. Acquire the robot hardware, software, and a laptop. Possible sources are schools, fundraisers, grants, and donations.
Step 5	Technical help on designing and programming robots is available at www.robofest.net. You can also attend Robofest workshops at Lawrence Tech or Webinars. The schedule is posted online. If you have questions or need help getting started, email robofest@ltu.edu or call 248.204.3568.
Step 6	Have fun creating and programming your robot!
Step 7	Participate in your Robofest competition! Feel the thrill of success. Learning to build and program a robot makes you a winner!

What Makes Robofest Unique?

Look Mom, No Hands! Students must fully program their robots to perform their missions without human assistance. No joysticks or remote controls are allowed. **Your Mission, If You Decide to Accept It** Is (partly) unknown or dynamic. Students must program their robots to accomplish tasks in a dynamic environment. **Students Rule** While adult mentorship is encouraged, students design, construct, and program the robots and make all decisions during competitions. **It's Flexible** Any type of robot kit, materials, actuators, and sensors are allowed. Robots can be programmed with any programming language. Reusing parts and old kits is encouraged. **Affordable** Robofest is the most affordable autonomous robotics competition in the nation. Registration is only $30–50 per team. Any robot and any program are allowed. **Everyone Is Recognized** All registered participants receive medals and personalized certificates. Winners of the qualifying and championship rounds receive trophies. Any participants who attend LTU can apply for a $3,000 Annual Renewable Scholarship. **Something for Everyone.** Robofest offers a wide variety of programs that fit many experience levels and interests. Advanced or novice, there is something for you!

Resources

Workshops Registered teams may attend, at no cost. The topics are generally focused on robot programming. The workshops are usually held on Saturdays. **Online Instruction** Much of the material covered in the workshops is provided at www.robofest.net, where a variety of resources can be found, including online instruction through Webinars.

Local Sponsors—National sponsors can be found at www.robofest.net.

Robofest® is a program of Lawrence Technological University, Southfield, MI, USA.