A Competition Motivating Young Minds to Master the Machine

An international competition for students grades 5 - 12, Robofest challenges participants to design, construct, and program robots to compete in missions or exhibition. Young people have fun while learning computer programming, engineering, math, and science. Started at Lawrence Technological University in 2000, Robofest has grown to include over 165 teams and hundreds of students at venues across the United States and in several other countries. Student teams, composed of two to seven members each, can compete in two ways:

Games: Students accomplish missions using two fully autonomous robots they have created and programmed to work cooperatively.

Exhibition: Students demonstrate the creative tasks they have created and programmed their autonomous robots to accomplish.

Age Divisions: Junior (students in 5–9 grades) and Senior (students in 9–12 grades)

Robofest's Unique Features:

Look Mom, No Hands: Students must totally program their robots to perform their missions with no human assistance. No joysticks or remote controls are allowed.

Your Mission, If You Decide to Accept It: Is unknown. At least partly. Students are given small changes in their mission that are kept secret until the beginning of each contest. Parts of the playing field are rearranged, and students must program their robots to work on the fly.

Students Rule: While adult mentorship is encouraged in all phases of preparation, students make all decisions and perform all robot construction and programming during the competition.

Registration is Affordable and Open Now: Team registration is only $35. Teams can be formed by any organization such as schools, home school networks, clubs and civic groups.   You can register on-line at www.robofest.net

248.204.3566 ▪ **www.robofest.net** ▪ LBirman@LTU.edu

It's Flexible: Students use any kind of robot kit, materials, actuators and sensors, and software. Robot kits can include IntelliBrain™-Bot, Basic Stamp®, Handy Board, Handy Cricket, Boe-Bot™, I-ROBO™, Lego® Mindstorms™, or VEX™. Building materials can include bolts, nuts, paint, glue, etc. Any programming language is allowed, such as RCX code, RoboLab™, NQC, IC, C++, Visual Basic, PBasic, Forth, Python, Java™, and Logo.

ROBOFEST 2006 COMPETITION SITES AS OF 1/18/06:

INSTITUTION NAME	LOCATION	DATE
Evergreen Valley High School	San Jose, CA	April 8
Woodland High School	Woodland, CA	April 29
TBD	West Melbourne, FL	April 8
Hillside Middle School	Northville, MI	April 1
Macomb Intermediate School District	Clinton Township, MI	April 1
Washtenaw Community College	Ann Arbor, MI	April 7
Ann Arbor Trail Magnet School	Detroit, MI	April 29
Herlong Cathedral School	Detroit, MI	April 8
Canton Charter Academy	Canton, MI	April 29
Carman-Ainsworth Junior High	Flint, MI	April 22
Mary Institute and Saint Louis Country Day School	Saint Louis, MO	April 29
RoboTech Center	Nashua, NH	May 7
St. Matthew Lutheran Church	Houston, TX	April 22
Sky Valley Education Center	Monroe, WA	April 29
Erle Rivers High School	Milk River , Alberta, Canada	April 29
The Video Submission Category is open to all teams who do not have a Competition Site in close proximity. Both Game and Exhibition videos will be accepted.	Submit a Video to Robofest by April 29, 2006. Teams must register for Video Submission Site	Visit the Robofest web for more details
World Robofest Championship	Southfield, MI	May 13

Top Teams Qualify to Move on to compete in the World Robofest Championship, May 13, 2006, at LTU, Southfield, MI, USA