



Lawrence
Technological
University

COLLEGE OF
ARTS AND
SCIENCES

24th
Annual

LAWRENCE TECHNOLOGICAL UNIVERSITY
ROBOFEST
2023
World Championship

Lawrence Technological University
21000 West 10 Mile Rd, Southfield, Michigan

ROBO Parade

Chairperson: Pam Sparks

Bios of RoboParade Judges can be accessed at: [LINK](#) on the Robofest World Championship Website

Thursday, May 11, 2023

Friday, May 12, 2023

Qualifying Test: 5:30pm ~ 9:00pm

Qualifying Test: 2:00pm ~ 4:00pm

Parade: 5:00pm ~ 9:30pm

A210, Building 4

2023 Parade theme is "Animation"

RoboParade Traffic rules (Qualifying Test)

1. Robot must be fully autonomous with an official rear bumper
2. Robot must have a reliable program to follow a black line on a bright surface.
3. Robot must have the ability to detect a vehicle in front of it and stop; then automatically re-start when the vehicle in front has cleared.
4. Robot speed must be greater than 9cm / sec and less than or equal to 18 cm / sec
5. Length of a unit must be less than 35cm

Announcements

- Trophy Winners will be announced on Saturday, May 13 at 12:30pm in the gym.
- All the participants will receive a medal today. Please bring your medal on Sat. May 13 for another group picture in the gym around 2:30pm.
- PCA Raffle will be conducted on Saturday during the Closing Ceremony at 2:40 pm – You must be present to win prizes.

RoboParade Schedule (Note – times are approximate)

| | |
|--------------------------------|--|
| Thurs 5:30pm-9:00pm | Qualifying Test begins; Official flag will be given if passed; Judge interviews |
| Friday 2:00pm-4:00pm | Qualifying Test Continues; Official flag will be given if passed; Judge interviews |
| 4:00pm-5:00pm | DINNER BREAK – Dinner will be served in the Brick Gallery (next to A210) |
| 5:00pm | Team Check-in begins; set up team tables; Judge interviews |
| 5:30pm | Welcome by RoboParade Chairperson; Introduction of Judges |
| 5:45pm | Last chance qualifying; Judge interviews <i>PCA judge registration begins</i> |
| 6:15pm | Qualification ends Parade team introduction (Max. 1 minute is given for each team) |
| 6:45pm | Start the Official Parade 1 . Judges and Registered PCA judges are invited to get a Closer View of the Robots |
| 7:30pm | Parade teams may fix robots. Follow up Judge interviews (if needed) |
| 7:45pm | Start the Official Parade 2 . Judges and Registered PCA judges are invited to get a Closer View of the Robots <i>PCA judge registration ends</i> |
| 8:15pm | <i>PCA judging forms are due</i> |
| 8:15pm | Closing & Award Ceremony – See Announcements section Certificate of participation and medal will be awarded to all contestants Group picture |
| 8:30pm | Cleanup begins |

11 RoboParade Teams

| Team ID | Team Name | Organization | Coach | Team City | ST/Country |
|---------|------------------------|---|----------------------------|-----------------|------------|
| 3181-4 | Techno Ninjas | Community Group | Diane Racette | Bridgewater | NS |
| 3201-1 | WB Robotics - 1 | West Bloomfield Community Education | Christopher Haines | West Bloomfield | MI |
| 3201-2 | WB Robotics - 2 | West Bloomfield Community Education | Christopher Haines | West Bloomfield | MI |
| 3201-3 | WB Robotics - 3 | West Bloomfield Community Education | Christopher Haines | West Bloomfield | MI |
| 3613-2 | BalletGo | Techabrick | SHIH-CHIA TSENG | Taipei | Taiwan |
| 3672-1 | LEGOS DE LA JUSTICIA | DIVERTROBOTS ATLACOMULCO | SHALOM ACOSTA HERNANDEZ | Atacomulco | MEX |
| 4485-1 | BWWTC RT | Buddhist Wong Wan Tin College | Yik Ka Lam | Hong Kong | Hong Kong |
| 4488-1 | Adventure on the Wheel | St. Paul's Co-educational College Primary School | Hung Kwan Cheng | Hong Kong | Hong Kong |
| 4490-1 | TLMSHKPS | TRUE LIGHT MIDDLE SCHOOL OF HONG KONG PRIMARY SECTION | SUK LAM CHAN | Hong Kong | Hong Kong |
| 4498-2 | ANZ | Po Leung Kuk Tang Yuk Tien College | Lok Yan Siu | Hong Kong | Hong Kong |
| 4499-1 | Aninobot | St. Paul's Co-educational College Primary School | Rhoda Chor Man Yue | Hong Kong | Hong Kong |

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