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LAWRENCE TECHNOLOGICAL UNIVERSITY  
**ROBOFEST**

# Online World Championships (ROWC)



**BOTTLESUMO**  
T I M E T R I A L

## Jr Division

During check-in, microphones & cameras are tested first. Then playing field, # of team members present are checked

**Friday, September 25, 2020**

# Lawrence Technological University

***DENSO***  
Crafting the Core



**TOYOTA**

# Checklist for Check-in LHJs

LHJ\* is required to PRINT THIS CHECKLIST and check off each item before logging in to the Webinar on event day. During Check-in, show this completed and signed sheet to LTU Staff.

\*You must be registered as a Judge for the Event and and ZOOM Webinar via the [Google Form](#) link

Prior to Event (check each item with a heavy mark so it is visible on camera):

- Read and understand 2020 ROWC BottleSumo Time Trial rules  
[https://www.robofest.net/images/1920/BottleSumoTimeTrial2020Rules\\_v12.pdf](https://www.robofest.net/images/1920/BottleSumoTimeTrial2020Rules_v12.pdf)
- Print Time Trial Forms <http://www.robofest.net/images/1920/TimeTrialScoreSheets.pdf>
- Prepare Field (see p6 of rules): 1 table, at least 12.75 cm off the floor
- Prepare 2 Water bottles: (see p7 of rules)
  - paper/tape applied
  - verify 1kg weight
- Prepare other materials:
  - scale
  - measuring Tape
  - pencil/pen
  - clipboard (optional)
  - tripod (optional)
- Prepare Zoom Webinar device (Laptop, Tablet or Phone)
  - stable internet connection
  - battery fully charged
  - camera accessible
  - set up so 1) camera is ready for initial presentation 2) camera can move to team pit area for work time and 3) camera can move to competition table for rounds
  - microphone/speakers (test volume, mute/unmute)
- Prepare Video & audio recording device
  - battery fully charged
  - enough memory storage



Event Day - Prior to Zoom Webinar Check-in:

- Confirm Recording Judge has the recording device with battery memory storage
- Confirm Coach has printed team sign and has it ready to show
- Confirm Coach has received Consent Form (online or hard copy) for each participant
- Check Robot Weight (maximum 0.9 kg )
- Check Robot Size w/h (maximum 20x20x20 cm - may not expand)
- Check Robot has "Front" label
- Inspect Robot for any illegal Materials (see pp 3 & 4 of rules)
- Assemble Judges and Team to prepare for Zoom Webinar Check-in

I \_\_\_\_\_ verify that I have completed each item on this checklist  
(send an image of this form to [esantos@ltu.edu](mailto:esantos@ltu.edu) with the completed scoresheets.)

UMC

RoboArts

RoboMed 

Exhibition

 BOTTLESUMO

**GAME**

# BottleSumo Time Trial

- Be the Fastest Robot to Push the Bottles Off the Table & Survive
- Please take the appropriate precautions regarding masks and social distancing during all activities associated with ROWC

# Schedule for Jr BSTT (time in EDT)

- 7:00** Zoom early check-in for Location Head Judges
  - Microphone and camera will be tested for each team location
  - Pre-event checklist will be verified as complete
- 8:00** Official check-in. All LHJs must be online
- 8:30** Opening
  - LTU remarks by video
  - Introduction of Location Judges, Judge's oath (Rodrigo Rodríguez)
  - Contestant pledge (Jacob Hernandez)
  - Announcements-Group Photo
- 8:45** Team introduction (1 min / team) for Team Spirit awards
- 9:05** Unveiling Unknown mission
- 9:15** Begin **20 min** work time
- 9:35** End of work time. Robots placed on field for inspection
- 9:45** 1st Round (**and video**) after rechecking robot size and weight by Location Judge. Bottles will be placed after the robot is set (10 min)
- 9:55** 2nd Round (**and video**) without a break. Bottles will be placed after the robot is set (10 min)
- 10:05** Closing

# Introduction of Location Judges

- *Each Location Judge's short bio containing the above info will be available on Robofest homepage at [www.robofest.net](http://www.robofest.net)*

Category	Day	Date	Zoom Webinar Attendee Registration Link	Team Check-In Begins*	Max # Teams	Judge Bios	Program
Jr. UMC	Fri	Aug. 28	Jr. UMC	11am GMT / 7am EDT	30	Jr_UMC	Jr_UMC
Sr. UMC	Sat	Aug. 29	Sr. UMC	11am GMT / 7am EDT	30	Sr_UMC	Sr_UMC
Jr. & Sr. RoboArts	Fri	Sep. 11	RoboArts	11am GMT / 7am EDT	20	RoboArts	RoboArts
Sr. & College RoboMed	Sat	Sep. 12	RoboMed	11am GMT / 7am EDT	20	RoboMed	RoboMed
Jr. Exhibition	Fri	Sep. 18	Jr. Exhibition	11am GMT / 7am EDT	20	Jr Exhibition	Jr Exhibition
Sr. Exhibition	Sat	Sep. 19	Sr. Exhibition	11am GMT / 7am EDT	20	Sr Exhibition	Sr Exhibition
Jr. BottleSumo Time Trial	Fri	Sep. 25	Jr. BottleSumo	11am GMT / 7am EDT	40	Jr_BSTT	Jr_BSTT
Sr. BottleSumo Time Trial, CL & UL	Sat	Sep. 26	Sr. BottleSumo	10:30am GMT / 6:30am EDT	40	Sr_BSTT	Sr_BSTT



# Location Judges

Anna HSIN-LE LO	Kavita Rajkotia	Sainath Goud Busa
Assad Shaikh	Liang-Chen, Chang	Sharmila Bommidi
Cai Jinghui	Lin Shu-Yu	Sheng-Huei Hsu
Cai Yiqun	Navid Shaikh	Skariah Thomas
Chu Siang Yung	Peng, Yun-Yang	Skariah Thomas
Da-Wei Wang	Pi-Chang Jung	Srinivas Bommidi
Farha Hussaini	Prasoon	Tuan Chung-Hao
Jesus Eli Marrero Hernandez	Reed Zhang	Wu Yuyan
Jiang Wanrong	Rodrigo Rodriguez Rodriguez	Wu -Hsin-Lei

# Location Judge's Oath (Rodrigo Rodríguez)

*On my honor, I agree to serve today as an official location judge of a Robofest online World Championship in a completely fair and impartial manner for this global event.*

*I personally commit to this responsibility with no conflicts of interest, direct relationship to the teams, or pre-determined expectations for the outcome of the competition.*

*I understand the spirit of robofest that students solve problems and adult coaches/parents are not allowed to assist during the competition.*

*I have read the BottleSumo Time Trial rules carefully, understand them clearly, and will make my evaluations based on the rules.*

*After the competition, I will submit videos and scores with integrity.*

# List of Teams (17 Teams)

Team Name	Team Name	Org Name	Coach	Team City	Org State/Country
26-50	Michael	Cranbrook Schools	Katie Bis	Bloomfield Hills	MI, USA
26-57	Dev and Nabhah	Cranbrook Schools	Katie Bis	Bloomfield Hills	MI, USA
2109-30	Amigo	LEGO LEGION	Srinivas Bommidi	Novi	MI, USA
2109-31	Programming Patriots	LEGO LEGION	Srinivas Bommidi	Novi	MI, USA
2475-5	Sumo Samurai	TIX Robotics	Prasoon Devalapally	Hyderabad	India
2475-9	Tix Robo Technics	TIX Robotics	Prasoon Devalapally	Hyderabad	India
3608-1	MBC Brothers	MBC	CHUN-HAO LIU	Taichung	Taiwan
3612-9	POKEMON RUN	TCRA	HUNG-YI LEE	New Taipei City	Taiwan
3614-1	Lightning	PowerKids	PEI-CHING WANG	Taoyuan	Taiwan
3616-1	Well-Off	PowerKids	YUNG CHUNG	Taoyuan	Taiwan
3627-2	JEA	CHINGSHIN ACADEMY	YEN-JU NIU	Taipei	Taiwan
3672-2	Legos de la justicia	CENIPAD	SHALOM ACOSTA HERNANDEZ	Atzacmulco	MEX
3695-2	Robo War	NOVATECH ROBO	SUBRAMANYA S	Bengaluru	India
3712-1	R.R.P.S ROBOT	Retaj Schools	Ifat Siddiqui	Jeddah	Saudi Arabia
3729-1	MOSH	ETRONIC	Hector Rafael Herrera Gomez	Pachuca De Soto	Mexico
3762-1	Incredibot	The City School International Dubai	Jean Soney	Dubai	UAE
3762-3	Knight Rider	The City School International Dubai	Jean Soney	Dubai	UAE

# Robofest Contestant Pledge (Jacob Hernandez)

*As a Robofest team member, I understand that the focus of Robofest is about learning through competition.*

*I will show personal integrity by honoring all Robofest rules, valuing fair competition and respecting judges and all other participants.*

*I will do my own work. I will NOT receive outside help from coaches, mentors, electronic devices or other sources during competitions and I will strictly follow impounding procedures.*

*I pledge to make the first Online Robofest 2020 great by upholding the Spirit of Robofest.*

# BottleSumo Time Trial - Rule Updates for ROWC

- Unknown Start Task (starting method) is unveiled **20 minutes** prior to impounding robots
- After impounding, the bottle locations for round 1 will be announced
- After the first round, teams are NOT allowed to modify robot or program.
- The bottle locations for round 2 will be announced right after the 1st round
- Winners will be decided by the average results from the 2 rounds

# Judging the Time Trial

- Judge will measure the time taken for each robot (one per table) to push 2 bottles (Jr. Division) off the table
- Maximum time given is 2 minutes
- Unknown Task must be used to initiate the robot or it will be penalized and not allowed to continue
- If a robot commits “Sumocide” by falling off the table, survival time and number of bottles pushed off the table will be recorded
- Robot must remain on the table for at least 3 seconds after the last bottle is pushed off or it will be penalized
- Judges will record time that robot either pushes off all bottles (completion time), or stays on the table (survival time)
- Judges will video both rounds and submit videos to Robofest Office

# Group Photo for Everyone

Please come close to the Zoom Camera



# Team Introduction (Max 1 min)

- Team location: City or Region and Country
- Team school or organization
- Team coach, mentors, and volunteers
- Name & roles of each team member (Do not tell age or grade)

Just start when ready. Time keeper will tell “5 seconds left” and “time’s up”



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# Unknown Start Unveil

# Thank You!!!

- Upload your files (Videos, Scoresheets, Checklist) to
- <https://drive.google.com/drive/folders/1z9SPERUXrFlaqMR5eevwD3y8gP0NQgcv?usp=sharing>
- Folder has been shared with the LHJ's
- If issues with upload, send video to [esantos@ltu.edu](mailto:esantos@ltu.edu)
- Results will be announced at the ROWC closing ceremony on Sat Oct 17
- Keep learning!



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