



LAWRENCE TECHNOLOGICAL UNIVERSITY

ROBOFEST®

Online World Championship

BOTTLESUMO

T I M E T R I A L

Junior Division - Saturday, April 23, 2022

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
- 8:15** Opening
LTU remarks by video
Introduction of Location Judges, Judge's oath
Contestant pledge
Announcements-Group Photo
- 8:30** Team introduction (1 min / team) for Team Spirit awards (27 Teams)
- 9:05** Unveiling Unknown Start
- 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

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

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

- Read and understand 2022 [BottleSumo Time Trial rules](#)
- Print Time Trial Forms https://www.robofest.net/images/2122/BottleSumo_Scoresheets2022a.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

Team Table



CAMERA

Event Day - Prior to Zoom Webinar Check-in:

- Confirm Team is ready to present a 1-minute introduction of the team and the robot when called upon during opening
- Confirm LHJ is ready to present a brief introduction when called upon during opening
- 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 Check-in

I _____ verify that I have completed each item on this checklist
(send an image of this form with the completed score sheets and any collected Consent Forms.)

10/14/2021

Lawrence Technological University

Welcome message from LTU



UMC

RoboArts

ROBOParade

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

List of Teams (30 Teams)

Team ID	Team Name	Team City	State/Country
26-5	Cranbrook Brookside	Bloomfield Hills	MI, USA
26-6	Leo	Bloomfield Hills	MI, USA
26-7	Oscar	Bloomfield Hills	MI, USA
421-3	MS003	Seoul	Korea
421-4	MS004	Seoul	Korea
421-5	MS005	Seoul	Korea
1587-6	The Blitz Krieg Withe	Canton	MI, USA
1587-7	The Hackers	Canton	MI, USA
1587-8	The Robotians	Canton	MI, USA
1587-9	The Warriors	Canton	MI, USA
1587-10	Beast Mode	Canton	MI, USA
1587-11	War Bots 2.0	Canton	MI, USA
1587-12	Techno E.L.T	Canton	MI, USA
1587-13	Two Dudes and a Bot	Canton	MI, USA
1587-14	Pup Slushies	Canton	MI, USA
2864-4	RIHK BSJ_A TEAM	Hong Kong	HK
2864-5	RIHK BSJ_B TEAM	Hong Kong	HK
3627-5	CHJHS J1	Taipei	Taiwan
3652-1	Deadly KICKER	Taichung City	Taiwan
3728-1	ARABOTS RUBIK	Toluca	Mexico
3734-1	Arabot	Jeddah	Saudi Arabia
4148-2	CDSJ5-SUMOJR	Macau	Macau
4158-1	SUAZABOTS	Colombia	Colombia
4158-2	SUAZABOTS GIRLS	Colombia	Colombia
4259-1	Taibah AL Taibah	Medina	Saudi Arabia
4261-2	CODE WARRIORS	Pachuca	Hidalgo, Mexico
4281-1	Tai Po Old Market G2	Hong Kong	Hong Kong
4291-1	robo rockers	India	India
4291-2	RoboStars	India	India
4292-1	Robo Warriors	India	India

Location Judges

**Maha Ghanem
Justin
Po Cu leong
CHAN CHEONG, LAM
Seungdong Baek
Kyungseol Lee
Pungje Jeong
Jasmine Paul
Marco Antonio Hernandez
Solares
Liliana Hernández Solares
Seungdong Baek
Jaehee Jeong**

**Pungje Jeong
David Arturo Vilchis Gallegos
Rodrigo Rodriguez Rodriguez
Danita Shelton
Hung Kam To
JC Lo
Tsang Ka Lun
Felipe higuera
Camilo fonseca
Felipe higuera
Ryan Bloom
Xueyi Wang
Derek Montante**

**Joshua Jargowsky
Tre LoPiccolo
Caitlin Cantrell
Lucas Beadle
Brandon Parsons
Rachel Ang
Xueyi Wang
Haiyang Huang**

Location Judge's Oath

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, 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 **Bottle Sumo 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.

Robofest Contestant Pledge (for Game Style Competitions)

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 Online Robofest 2022 great by upholding the Spirit of Robofest.

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”

Group Photo

Please come close to the Zoom Camera



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BottleSumo Time Trial - Rules for ROWC

- Unknown Start Task (starting method) is unveiled **20 minutes** prior to impounding robots
- After impounding, the robot and bottle locations for round 1 will be announced
- After the first round, teams are NOT allowed to modify robot or program.
- The bottle and robot 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 off the table, **then stop after the last bottle is off**
- Maximum time given is 2 minutes
- Unknown Task must be used to initiate the robot or it will be penalized
- 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

New Rule

- Judge will measure the time for the robot to put push 2 bottles (Jr. Division) off the table, **then stop after the last bottle is off**
- For robots that push off all the bottles and survive, time will continue to be counted until the robot comes to a complete stop **for at least 10 seconds**. The robot must stay stopped for at least 10 seconds to indicate it is done, but the 10 seconds will not be included in the “completion time”
- Teams may stop their robot if it has completed its run(all bottles off and the robot has stopped on the table for at least 10 seconds)



Unknown Start Unveil

Time Trial Sequence of Events

- Announce Robot Location- Position and Start robots
- Announce Bottle locations- Set bottles
- Sites verify
 - Zoom setup is ready
 - Video setup is ready
 - Bottles
 - Team
 - Judges
- LTU Host will ask
 - Sites ready , LTU timer is ready, **Start videos**
- 3-2-1 "Go">>>>**BEGIN UNKNOWN START**
- Everyone must stay away from the table
- Make sure the video captures the end of the run

No Reruns- If there is an issue, keep the video running and get a record for later review

Judge and Coach Follow Up

- Send your official run videos and score sheets to the Google Drive folder provided in Chat and email
 - Share Files Directly
 - Upload to another format (YouTube) and upload link
- If issues with upload, send video to esantos@ltu.edu
- Results will be announced at the ROWC closing ceremony on Sat May 21

Thank You!!!

See you on May 21

You may now log off the Webinar



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Keep learning!