



LAWRENCE TECHNOLOGICAL UNIVERSITY

ROBOFEST[®]

Online World Championship

BOTTLESUMO

T I M E T R I A L

Senior Division - Friday, April 22, 2022

Schedule for Sr 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 (36 teams)
- 9:10** Unveiling Unknown Start
- 9:20** Begin **20 min** work time
- 9:40** End of work time. Robots placed on field for inspection
- 9:50** 1st Round (**and video**) after rechecking robot size and weight by Location Judge. Bottles will be placed after the robot is set (10 min)
- 10:05** 2nd Round (**and video**) without a break. Bottles will be placed after the robot is set (10 min)
- 10:20** Closing

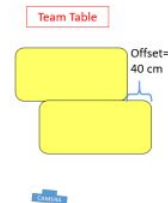
Checklist for Check-in LHJs

LHJ* is required to PRINT THIS CHECKLIST and check off each item before logging in to the 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 Sr. Field (see p6 of rules): 2 tables with 40cm offset TO THE LEFT at least 12.75 cm off the floor
- Prepare 3 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 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 Check-in:

- Confirm Team is ready to present a 1-minute introduction of the team and the robot when called upon
- 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)
 - Sr. Classic: 1.5 kg
 - Sr. Unlimited: 3.0 kg
- Check Robot Size w/h (maximum) 30x30x30cm to start - may expand to 35x35x35cm
- 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)

03/17/2021

Lawrence Technological University

Welcome 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

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List of Teams (23 Classic Teams)

Team ID	TeamName	Team City	State/Country
26-9	Bongo Bananas	Bloomfield Hills	MI, USA
421-1	MS001	Seoul	Seoul, Korea
421-2	MS002	Seoul	Seoul, Korea
2864-2	RIHK BSC_B TEAM	Hong Kong	Hong Kong
2864-3	RIHK BSC_A TEAM	Hong Kong	Hong Kong
3004-19	CobraBots1	Metro Detroit Schools	MI, USA
3381-1	ROBOTIC MINDS INFINITY	Quito	Ecuador
3385-1	ALEBRIJE	Pachuca	Hidalgo, Mexico
3385-2	TOTO	Pachuca	Hidalgo, Mexico
3627-6	Chjhs H1	Taipei	Taiwan
3627-8	CHJHS N2	Taipei	Taiwan
3672-1	T.A.C.O.S.	Atlatomulco	Mexico
3691-1	QPS_SAUDI 1	Jeddah	Saudi Arabia
3705-1	Robo Alrowad	Jeddah	Saudi Arabia
4147-3	CDSJ5_S3	Macau	Macau
4147-4	CDSJ5_MIX	Macau	Macau
4166-1	PROBS	Accra	Ghana
4166-2	OLYMPIANS	Accra	Ghana
4257-2	Olethros	Kumasi	Ghana
4264-1	Baraq	Jeddah	Saudi Arabia
4266-1	6 A.M.	Toluca	Mexico
4275-1	SRLE Team B	Macau	Hong Kong
4276-1	SRLE Team A	Macau	Hong Kong

List of Teams (13 Unlimited Teams)

Team ID	TeamName	Team City	State/Country
2895-3	ARABOTS	Toluca	Mexico
2964-16	Why Am I Still Doing This	Napoleon	MI, USA
3455-5	RNS01	Rothesay	NB, Canada
3455-6	RNS02	Rothesay	NB, Canada
3742-1	R-play1	Cheonan-si Chungcheongnam-do	Korea
3742-2	R-play2	Cheonan-si Chungcheongnam-do	Korea
3742-3	R-play3	Cheonan-si Chungcheongnam-do	Korea
4223-1	ROBO1	Korea	Seoul
4270-1	Peanut Knight	Hong Kong	Hong Kong
4270-3	Mirage	Hong Kong	Hong Kong
4270-4	Zeta	Hong Kong	Hong Kong
4270-5	Peanut Queen	Hong Kong	Hong Kong
4279-1	TESLA	Pachuca	Mexico

Location Judges

**Adam Draa
Ahmed Elsharkawy
Justin Chan
Mary-Ellen Wilcox
Stephen Seungdong Baek
Kyungseol Lee
Hyunseo Kim
Kwangjin Ha
Lai Chi Kei
Lai Chi Kei
Sao Keng Ng
Wong Chun Ho
Zhanhong Luo
Hiu Fung Lam
Tai Weng Lam
Ngo Yan Lun
Brian Yu**

**Lucas Chan
Minhyung Paik
Sungsan, Ha
Lau Yik Lewis
Weng Hou Lai
Kwok, Ting-Hin, Tony
Mohamed Basuny
Wai Chan Pang
David Arturo Vilchis Gallegos
Liliana Elisa Ramirez Vargas
Alejandro López Díaz
Ingrid Abril Cabrera Benitez
Felipe Haro
Wongyeong Yoo
Ricardo Chavez Serrano
Katie Bis
Rogelio Fragoso Zavala**

**Luz Arely Monroy
González
Juan Francisco Mata
Muñoz
Rogelio Fragoso Zavala
Sao Keng Ng
Andrés Miñon Rodríguez
JC Lo
Jesús Marrero
Dai Shojaa
Leslie Joppa
William Dadzie-Rhule
Michael Wilson**

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



BottleSumo Time Trial - Rules 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 3 bottles (Sr. Division) 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 taken for each robot (one per table) to push 3 bottles (Sr. Division) off the table, **then stop after the last bottle is off**
- **For robots that push off all the bottles and survive (2nd bottle for Junior, 3rd bottle for Senior), 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”**



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!