



LAWRENCE TECHNOLOGICAL UNIVERSITY

ROBOFEST®

Online World Championship

BOTTLESUMO

T I M E T R I A L

Senior Division - Friday, September 17, 2021

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 (24 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

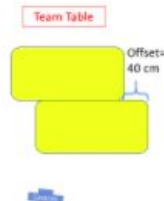
Checklist for Check-in LHJs

LHJ* is required to PRINT THIS CHECKLIST and check off each item before logging in to the 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 2021 [BottleSumo Time Trial rules](#)
- ☐ Print Time Trial Forms www.robofest.net/images/2021/BottleSumoScoresheets2021.pdf
- ☐ Prepare Sr. Field (see p8 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 Dr. Moudgil



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

List of Teams (13 Classic Teams)

Team ID	Name	Organization	Coach	City	State/Country
421-3	MS003	Dong-Jak Center KOREA	KYUNGSEOL LEE	Seoul	Korea
421-4	MS004	Dong-Jak Center KOREA	KYUNGSEOL LEE	Seoul	Korea
421-5	MS005	Dong-Jak Center KOREA	KYUNGSEOL LEE	Seoul	Korea
2720-9	TP Terminator	SisBro Robotics Home Program	Danielle Pusilo	Canton	MI
2833-1	T.A.C.O.S.	Divertrobots	Marcy Marrero	Atlatomulco	Mexico
3354-1	Zinnwaldite	PO LEUNG KUK TANG YUK TIEN COLLEGE	WONG YIU SHING ANDRE	Hong Kong	Hong Kong
3627-3	CHINGSHIN ACADEMY 1	CHINGSHIN ACADEMY	YEN-JU NIU	Taipei	Taiwan
3691-1	QPS_SAUDI	Qurtubah School	Moustafa Ahmed	Jeddah	Saudi Arabia
3705-1	ROBO ALROWAD	Dar Alrowad Typical Schools	Ahmed Elsharkawy	Jeddah	Saudi Arabia
4044-6	MBC Club	MBC	LUNG-HSIUNG CHEN	Taichung City	Taiwan
4147-2	CDSJ5A	Colgio Diocesano de So Jos (5)	CHAN CHEONG LAM	Macau	Macau
4161-1	Robotics Minds	Robotic Minds	Felipe Haro	Ecuador	Ecuador
4162-1	Minder Robotic Minds	Robotic Minds	Juan Manuel Bolaos	Ecuador	Ecuador

List of Teams (11 Unlimited Teams)

Team ID	Name	Organization	Coach	City	State/Country
2104-2	KSR2	bundang	LEE HWAN DONG	Sungnam	Korea
2895-3	ARABOTS	Arabots Robotics	Rodrigo Rodriguez Rodriguez	Toluca	Mexico
3353-1	Team Cobra	St Paul's School (Lam Tin)	HO Wing Yan	Hong Kong	Hong Kong
3695-5	RED PANTHER	Novatech Robo	SUBRAMANYA S	Bengaluru	India
3742-1	R-play1	Robotplay	Ha KwangJin	Cheonan-si Chur	Korea
3742-2	R-play2	Robotplay	Ha KwangJin	Cheonan-si Chur	Korea
3742-3	R-play3	Robotplay	Ha KwangJin	Cheonan-si Chur	Korea
4078-1	Twins	Twins	YEONSEO LEE	Seoul	Korea
4149-1	KY-BottleSumo	Kao Yip Middle School	FAI TONG HO	Macau	Macau
4166-3	UNA	Presbyterian Boys' Secondary School Legon	William Ato Ansah	Accra	Ghana
4167-1	TEAM ALPHA	KOFORIDUA SENIOR HIGH TECHNICAL SCHOOL	GABRIEL KWADZO KATAMANI	Koforidua	Ghana

Introduction of Location Judges

- *This program and Location Judge list is available on the Robofest World Championship page at www.robofest.net*

2021 Robofest Online World Championship

OFFICIAL ROWC 2021 POSTER (PDF)

2021 ROWC EVENTS:

Category	Day	Date *	Zoom Webinar Registration Link	Pre-Meeting Date **	Event Judge Lists and Bios	Event Program
Jr. Exhibition	Saturday	9/11/21	JR EX WEBINAR	9/9/21	Jr Ex Judges	Jr Ex Program
Sr. BottleSumo Time Trial CL & UL	Friday	9/17/21	SR BSTT WEBINAR	9/15/21	Sr BSTT Judges	Sr BSTT Program
Jr. BottleSumo Time Trial	Saturday	9/18/21	JR BSTT WEBINAR	9/16/21	Jr BSTT Judges	Jr BSTT Program
Sr. Game: StackRolls	Friday	9/24/21	SR GAME WEBINAR	9/22/21	Sr Game Judges	Sr Game Program
Jr. Game: StackRolls	Saturday	9/25/21	JR GAME WEBINAR	9/23/21	Jr Game Judges	Jr Game Program

Location Judges

Abby	Jacky Yau	Mohamed Basuony
AHMED ELSHARKAWY	Jae Hee, Jeong	NIU, YEN-JU
Byung Jun, Kim	Jesús Marrero	RODRIGO RODRIGUEZ RODRIGUEZ
Carlos Rocha	JULIO HERRERÍA	Sang Won, Jeon
CHEN,LUNG-HSIUNG	Justin Chan	Sara Martinez
Danielle Pusilo	Kwang Jin, Ha	sehman alalyani
David Arturo Vilchis Gallegos	Kyung Seol, Lee	Seung Dong, Baek
DAVID ASTUDILLO	Leslie Joppa	SUBRAMANYA S
Emilio Jarrin	Marrero Ramiro	SYED JEELAN SAMAR KHAN
Ephraim Gordor	Matt Roberge	VALENTINA HERRERA
FRANCISCO ASTUDILLO	Michael Wilson	Yeon Seo, Lee
Hwan Dong. Lee		

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 2021 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
- 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



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 (plus 3 sec)

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 Oct 2

Thank You!!!

See you on October 2

You may now log off the Webinar



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Keep learning!