



LAWRENCE TECHNOLOGICAL UNIVERSITY

ROBOFEST®

Online World Championship

BOTTLESUMO

T I M E T R I A L

Junior Division - Saturday, September 18, 2021

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 (29 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 2021 [BottleSumo Time Trial rules](#)
- ☐ Print Time Trial Forms www.robofest.net/images/2021/BottleSumoScoresheets2021.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.)

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 (28 Teams)

Team ID	Name	Organization	Coach	City	State/Country
421-6	MS006	Dong-Jak Center KOREA	KYUNGSEOL LEE	Seoul	Korea
421-7	MS007	Dong-Jak Center KOREA	KYUNGSEOL LEE	Seoul	Korea
421-8	MS008	Dong-Jak Center KOREA	KYUNGSEOL LEE	Seoul	Korea
1058-2	Owen and Claire	GABOTS	Connie Eisenhart	Clawson	MI
2720-10	BLT	SisBro Robotics Home Program	Danielle Pusilo	Canton	MI
2782-13	WALL-E	Advantage Academy	Gavin Coleman	Plant City	FL
3350-1	RIHK_BottleSumo	Robot Institute of Hong Kong	YAU KA KIT	Hong Kong	Hong Kong
3532-2	MacArthur	MacArthur Academy	Nicole Green	Southfield	MI
3559-1	Team eleMeNt	Team eLeMeNt	Heather Welker	Canton	MI
3608-1	Ecgojo	MBC	CHUN-HAO LIU	Taichung	Taiwan
3628-1	CHINGSHIN team 2	CHINGSHIN ACADEMY	CHI-CHEN CHEN	Taipei	Taiwan
3633-1	Sumo	PowerKids	TING-PANG WENG	Taoyuan	Taiwan
3672-1	Legos de la Justicia	CENIPAD	SHALOM ACOSTA HERNANDEZ	Atlatomulco	Mexico
3718-3	KingstonBot	MIKROBOT ACADEMY	michael wilson	Accra	Ghana
3728-2	Arabots Chancla	Arabots Robotics	Alejandro Lopez Diaz	Toluca	Mexico
3734-1	GAMMABot	Arab International Schools	Haya Alhajj	Jeddah	Saudi Arabia
3965-1	SUPER NOVA	Novatech Robo	SUBRAMANYA S	Bengaluru	India
3965-2	Delhi Hunters	Novatech Robo	SUBRAMANYA S	Bengaluru	India
3695-3	Bengal Tiger	Novatech Robo	SUBRAMANYA S	Bengaluru	India
3695-4	GS GROZA	Novatech Robo	SUBRAMANYA S	Bengaluru	India
3695-6	ROYAL ROBO	Novatech Robo	SUBRAMANYA S	Bengaluru	India
4043-1	Mars boy	Parent	CHIH-HUNG CHAN	New Taipei City	Taiwan
4052-1	Flood	ICDA	YA-LING HUANG	Taoyuan City	Taiwan
4148-1	CDSJ5-S01	Colgio Diocesano de So Jos (5)	CHI SENG LAM	Macau	Macau
4151-1	KCOBAPS	King's College Old Boys' Association Primary School	KA CHUN YAM	Hong Kong	Hong Kong
4175-2	Heroes	Banaa group	Nada Alqarni	Jeddah	Saudi Arabia
4182-1	Madinah Mawhubat	Madinah Mawhubat	Amrh Baik	Med	Saudi Arabia
4183-1	Dar Althikr Programme	Dar Althikr schools	abdullah bajaber	Jeddah	yemen
4192-1	St. Xavier's Robot	St. Xavier's Convent School	Sujata Mondal	Ghatal	India

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
Sr. Exhibition	Friday	9/10/21	SR EX WEBINAR	9/9/21	Sr Ex Judges	Sr Ex 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	Jae Hee, Jeong	Saba Saifi
Carlos Rocha	Jesús Marrero	Sang Won, Jeon
Chan, Chih-Hung	John Emley	Seung Dong, Baek
CHEN, CHI-CHEN	Justin Chan	Sriram Balasubramaniam
Connie Eisenhart	Kyung Seol, Lee	SUBRAMANYA S
David Arturo Vilchis Gallegos	Leo Yau	SYED JEELAN SAMAR KHAN
Esraa Mahrous	Leslie Joppa	Taiba Salah
Geethalakshmi Ganapathy	LIU, CHUN-HAO	Tanya Emley
George Turkson	Maha Ghanem	Tracey Brown
Huang, Chih-Hsien	RODRIGO RODRIGUEZ RODRIGUEZ	WENG, TING-PANG
HUANG, YA-LING	Rolla Aburukba	ZAHID AHMED

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 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**



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!