
LAWRENCE TECHNOLOGICAL UNIVERSITY
ROBOFEST

Online World Championships (ROWC)



BOTTLESumo
T I M E T R I A L

Sr Classic and Sr Unlimited

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

Saturday, September 26, 2020

**Lawrence
Technological
University**



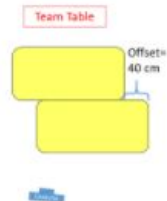
Checklist for Check-in LHJs

I _____
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_v14.pdf
- ☐ Print Time Trial Forms <http://www.robofest.net/images/1920/TimeTrialScoreSheets.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 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)
 - ☐ 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 Webinar Check-in

I _____ verify that I have completed each item on this checklist
(send an image of this form to esantos@itu.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 Sr BSTT (time in EDT)

6:30 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 (Hannah Sinclair)

Contestant pledge (River Qi and Benson Lin)

Announcements-Group Photo

8:45 Team introduction (1 min / team) for Team Spirit awards

9:20 Unveiling Unknown mission, then **20 min** work time

9:50 End of work time. Robots placed on field for inspection

10:00 1st Round (**and video**) after rechecking robot size and weight by Location Judge. Bottles will be placed after the robot is set (10 min)

10:10 2nd Round (**and video**) without a break. Bottles will be placed after the robot is set (10 min)

10:20 Closing

Introduction of Location Judges

- Each Location Judge's short bio containing the above info is available on Robofest World Championship page at 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 (Sr Classic)

Chang Ya Ru	Julie McCarthy	Rodrigo Rodriguez Rodriguez
Chris MacLean	Ken Chang	Sahman Alalyani
Daniel Oliver	Liang Chen Chang	Sainath goud Busa
Derek Bouwman	Lin Shu-Yu	Skariah Thomas
Efrain Franco	Manikandan Hari	Syed Husaini
Eric Kershaw	Michelle Belliveau	Tuan Chung-Hao
Guanying Lin	Peng, Yun-Yang	Wang Duanyi
Hannah Sinclair	Pi-Chang Jung	Yun Chung Lee
Jesus Eli Marrero Hernandez	Ping Xinghao	Zhong Pixuan
Jiang Wanrong	Prasoon	

Location Judges (Sr Unlimited)

Baek, Seung Dong	Hong Yili	Shintok
Byng Jun, Kim	Huang Lihong	Wen Jiaxian
Cai Jinghui	Hwan Dong. Lee	Wu-Hsin Lei
Chan Ting Kwok	Kishan S M	Yau Ka Chun, Chan Ting Kwok, Yau Ka Kit
Chen Yilin	Kwang Jin, Ha	Yau Ka Kit
Chen Yuxun	Lavanya Kannan	Yu-Tang Lin
Chia-Yi Chien	Sang Won, Jeon	
Da-Wei Wang	Sheng-Huei Hsu	

Location Judge's Oath (Hannah Sinclair)

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 TimeTrial 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.

Sr Classic Teams

Team Name	Team Name	Org Name	Coach	Team City	Org State
26-51	Kennedy	Cranbrook Schools	Katie Bis	Bloomfield Hills	MI, USA
26-54	Ian And Andrew	Cranbrook Schools	Katie Bis	Bloomfield Hills	MI, USA
26-58	Cypher	Cranbrook Schools	Katie Bis	Bloomfield Hills	MI, USA
2170-6	Robinsonsphere	King's-Edgehill School	DJ DeCoste	Windsor	NS, Canada
2170-7	Bomb Ace	King's-Edgehill School	DJ DeCoste	Windsor	NS, Canada
2475-1	TEQQ Televisors	TIX Robotics	Prasoon Devalapally	Hyderabad	India
2833-1	T.A.C.O.S.	Divertrobots	Marcy Marrero	Atlatomulco	Mexico
3004-7	Ourselves	Metro-Detroit Area Schools	Pam Sparks	Detroit Hazel Park	MI, USA
3385-2	Itzamna	Escuela preparatoria N0 3	Samuel Ruiz Ortiz	Pachuca	Mexico
3385-3	Axolotl	Escuela preparatoria N0 3	Samuel Ruiz Ortiz	Pachuca	Mexico
3545-2	Dhruv Tech	KL Hyderabad	Suhaas Devalapally	Hyderabad	India
3612-8	Thousands	TCRA	HUNG-YI LEE	New Taipei City	Taiwan
3628-2	AnimalRider	CHINGSHIN ACADEMY	CHI-CHEN CHEN	Taipei	Taiwan
3628-5	CHINGSHIN N1	CHINGSHIN ACADEMY	CHI-CHEN CHEN	Taipei	Taiwan
3666-1	Caviar	PowerKids	HSIN-YI HUNG	Taoyuan City	Taiwan
3695-6	SKY SCRAPERS	NOVATECH ROBO	SUBRAMANYA S	Bengaluru	India
3695-9	GENBOT	NOVATECH ROBO	SUBRAMANYA S	Bengaluru	India
3705-1	ROBO ALROWAD	Dar Alrowad Typical Schools	Ahmed Elsharkawy	Jeddah	Saudi Arabia
3762-2	WitBot	The City School International Dubai	Jean Soney	Dubai	UAE

Sr Unlimited Teams

Team Name	Team Name	Org Name	Coach	Team City	Org State
26-53	Aishwarya and Akshaya	Cranbrook Schools	Katie Bis	Bloomfield Hills	MI
2104-1	KSR1	bundang	LEE HWAN DONG	Sungnam	Korea
3626-1	Edison	PowerKids	JENQ-DER LIN	Taoyuan	Taiwan
3627-1	Pro.DishSoapX.X	CHINGSHIN ACADEMY	YEN-JU NIU	Taipei	Taiwan
3628-6	CHINGSHIN 1	CHINGSHIN ACADEMY	CHI-CHEN CHEN	Taipei	Taiwan
3640-1	Einstein	PowerKids	CHING-WEN CHANG	Taoyuan	Taiwan
3695-10	SCORPIAN SAVAGE	NOVATECH ROBO	SUBRAMANYA S	Bengaluru	India
3722-1	Cheung Sha Wan Catholic Secondary School	Cheung Sha Wan Catholic Secondar	Hoi Tim Wat	Hong Kong	Hong Kong
3742-1	R_play CNSA	Robotplay	Ha KwangJin	Cheonan-si Chungcheongnam-do	Korea
3742-2	R_Play Wha	Robotplay	Ha KwangJin	Cheonan-si Chungcheongnam-do	Korea
3742-3	RobotPlay	Robotplay	Ha KwangJin	Cheonan-si Chungcheongnam-do	Korea
3742-4	R_Play BB	Robotplay	Ha KwangJin	Cheonan-si Chungcheongnam-do	Korea

Robofest Contestant Pledge (River Qi and Benson Lin)

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 3 bottles (Sr. Divisions) 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”

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

Thank You!!!

- Upload your files (Videos, Scoresheets, Checklist) to <https://drive.google.com/drive/folders/1T0VX4N1F0PgmrRBszVk3y7oITsDpcgXL?usp=sharing>
- Folder has been shared with the LHJ's
- If issues with upload, send video to esantos@ltu.edu
- Results will be announced at the ROWC closing ceremony on Sat Oct 17
- Keep learning!



Lawrence
Technological
University