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LAWRENCE TECHNOLOGICAL UNIVERSITY  
**ROBOFEST**

**Online World Championships (ROWC)**

**GAME**



**GolfBowl**



**Sr Division**

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

**Saturday, October 10, 2020**

**Lawrence  
Technological  
University**



# 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 and ZOOM Webinar via the [Google Form](#) link

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

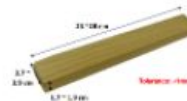
- ☐ Read and understand [2020 GolfBowl Rules](#) and [ROWC GolfBowl Rules Updates](#)
- ☐ Download and print the following items:
  - ☐ Paper Scoring Form (Print at least 2): [https://robofest.net/2020/GolfBowl\\_Scoresheet\\_kickoff.pdf](https://robofest.net/2020/GolfBowl_Scoresheet_kickoff.pdf)
  - ☐ Proctor Violation Report: [https://robofest.net/images/20172018/PDFS/Proctor\\_Forms.pdf](https://robofest.net/images/20172018/PDFS/Proctor_Forms.pdf)
  - ☐ Ball Marker Locator Jig (Optional - Print Actual Size and verify measurements with ruler) [http://www.robofest.net/images/1920/Ball\\_Marker\\_Jig.pdf](http://www.robofest.net/images/1920/Ball_Marker_Jig.pdf)
- ☐ Prepare GolfBowl Game Field (see section 2 of the rules) Check each item:
  - ☐ 1 Table on the floor
  - ☐ Weight of 4 bottles must be 75 grams (+/-1) (If determined by reviewing the video that the bottles are too light, the team may lose points or be disqualified)
  - ☐ Weight of a full water bottle must be approx. 524 grams
  - ☐ Electrical Tape must be smooth with no loose tape on the edges
    - ☐ Distance of **No Robot Zone** line & table edge near the hole slot must be 55 cm
    - ☐ Distance between two black lines must be 30 cm
  - ☐ Left and Right Templates are attached to the Hole-Slot and are on the floor centered with the table
  - ☐ Center Template centered and attached to the table
  - ☐ Height of Hole-Slot side walls equal to or lower than table top height-->
  - ☐ Bottle scoring jig (6 made of 2x4 Lego blocks)
  - ☐ Prepare: pencil, clipboard, measuring tape (at least 55 cm), ball markers (reinforcement stickers), tripod (optional)
- ☐ Prepare Zoom Webinar device (Laptop, Tablet or Phone)
  - ☐ stable internet connection
  - ☐ battery fully charged
  - ☐ camera accessible
  - ☐ set up so camera positioned as shown with the Game table in the foreground and team pit area is visible in the background, and space for team to stand between for intro
  - ☐ microphone/speakers (test volume, mute/unmute)
- ☐ Prepare Video & audio recording device
  - ☐ battery fully charged
  - ☐ enough memory storage



## Prior to Check-In on Event Day:

- ☐ Confirm Recording Judge has the recording device with battery and sufficient memory
- ☐ 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 Size w/maximum 50x50x50 cm including expansion (the swing of the putter)
- ☐ Check Putter dimensions
- ☐ Check Robot has "Front" label
- ☐ Inspect Robot for any illegal materials (see sections 11 and 12 of rules)
- ☐ Assemble Judges and Team (with robot) to prepare for Zoom Webinar Check-in

Zoom Camera



I \_\_\_\_\_ verify that I have completed each item on this checklist (send an image of this form with the completed scoresheets).

UMC

RoboArts

RoboMed 

Exhibition

BOTTLESumo



# Robofest 2020 Game- GolfBowl

- Putt 5 golf balls into a Hole-slot and bowl over bottles
- Please take the appropriate precautions regarding masks and social distancing during all activities associated with ROWC

# Schedule for GolfBowl

**6:30** Zoom early check-in for Location Head Judges. Microphone and camera will be tested for each team. Pre-event checklist will be verified as complete. (90 min)

**8:00** Official check-in. All LHJs must be online

**8:30** Opening (15 min)

- LTU remarks by video
- Rules; Introduction of Location Judges; Judge's oath
- Contestant pledge
- Announcements, Group Photo

**8:45** Team & robot introduction (1 minute for each team,  $1.5 \times 22 = 45$  min)

**9:20** Unveiling UTF, **1st Round** (5 min)

- 30 min Worktime (Check Playing Fields)
- 1st Round (**and video**) after checking field setup & robot dimensions by LHJ (10 min)

**10:05** Unveiling UTF, **2nd Round** (5 min)

- 30 min Worktime (Check Playing Fields)
- 2nd Round (**and video**) after checking field setup & robot dimensions by LHJ (10 min)

**10:50** Closing (2 min)

# Introduction of Location Judges

- Each Location Judge's short bio containing the above info will be available on Robofest World Championship page at [www.robofest.net](http://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
Jr. Game - GolfBowl	Fri	Oct. 9	Jr. Game	10:30am GMT / 6:30am EDT	35	Jr_GolfBowl	Jr_GolfBowl
Sr. Game - GolfBowl	Sat	Oct. 10	Sr. Game	10:30am GMT / 6:30am EDT	35	Sr_GolfBowl	Sr_GolfBowl
Award Ceremonies	Sat	Oct. 17	coming soon	11:30am GMT / 7:30 am EDT			



# Location Judges

Anthony Sackey	Evans Djangbah	Mary-Ellen Wilcox	Seung Dong, Baek
Carole Adam	Evans Obu	Matthew Brewer	Sharon Midwinter
Chan Ting Kwok	Hannah Sinclair	Mohamed Basuoy	Simon Akowua
Chester Clark	Jitender Sunke	Gyamfi Oduro	Susie DeCoste
Chetan Shankar	Jong Chae, Chung	Obeng Dartey	Veeresh Nama
Daniel Oliver	Keerthi Sunke	Osborne Addai	Yau Ka Chun
David Amfo-Kwakye	Kim Walsh	Rolla Omar Aburukba	Yau Ka Kit
Derek Bouwman	Kwame Oteng Gyasi	Samuel Twum Adjei	Zuher Khalaf
Eno Boamah Osei Antwi	Lavanya Kannan	Sang Won, Jeon	
Erik Rosvold	Leslie Joppa	Sangyoun, Lee	

# Location Judge's Oath (Team 2705-2: Erik Rosvold, Veeresh Nama)

*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 GolfBowl 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 GolfBowl- List of Teams (22 Teams)

TeamID	Team Name	Org Name	Coach	Team City	Org State
26-27	A Mess	Cranbrook Schools	Katie Bis	Bloomfield Hills	MI, USA
26-35	Bionic Cheezits	Cranbrook Schools	Katie Bis	Bloomfield Hills	MI, USA
1851-3	TX001-sr	Robot&computer	Sangyoup Lee	Goyang	S Korea
2104-2	KSR2	bundang	LEE HWAN DONG	Sungnam	S Korea
2104-3	KSR3	bundang	LEE HWAN DONG	Sungnam	S Korea
2109-35	Robo Warriors	LEGO LEGION	Srinivas Bommidi	Novi	MI, USA
2170-1	Bomb Ace	King's-Edgehill School	DJ DeCoste	Windsor	NS, Canada
2170-5	Robinsonsphere	King's-Edgehill School	DJ DeCoste	Windsor	NS, Canada
2191-1	JoeBots	Troy School District	Zuher Khalaf	Troy	MI, USA
2191-2	Pegasus	Troy School District	Zuher Khalaf	Troy	MI, USA
2559-3	R&G3	R&G Robot	Jong Chae Chung	Seoul	S Korea
2705-2	Enfield Automaton	SMART Labs	Erik Rosvold	Rochester	MI, USA
3004-8	Ourselves	Metro-Detroit Area Schools	Pam Sparks	Detroit Hazel Park	MI, USA
3156-1	The Parrsboro Bogey Bowlers	Parrsboro Regional High School	Karlene Morris	Parrsboro	NS, Canada
3455-1	RNS - Crane	Rothsay Netherwood School	Tammy Earle	Rothsay	NB, Canada
3691-1	QPS_SAUDI	Qurtubah School	Moustafa Ahmed	Jeddah	Saudi Arabia
3709-1	the best of the best	Dar al tarbia al haditha	Maha Alhajj	Jeddah	Saudi Arabia
3719-1	AGYENGOGOLF	Prempeh College	Peter Agyeman	Kumasi	S Korea
3722-2	Cheung Sha Wan Catholic Secondary School	Cheung Sha Wan Catholic Secondary School	Hoi Tim Wat	Hong Kong	Hong Kong
3723-1	Fukien Secondary School	Fukien Secondary School	Shek Hin Hui	Hong Kong	Hong Kong
3724-1	MIKOGOLF	PREMPEH COLLEGE	Kwabena Sarfo Nana Oduro	Kumasi	Ghana
3725-1	EDDYGOLF	PREMPEH COLLEGE	Kelvin Dela Bekoe-Wurapa	Kumasi	Ghana

# Robofest Contestant Pledge (Team 2705-2: Maria Rosvold, Theodore Cretu )

*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.*

# 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”

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# UTF

## (Unknown Task and Factors)

### Unveil Round 1

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# UTF

## (Unknown Task and Factors)

### Unveil Round 2



# Thank You!!!

- Upload your files (Videos, Scoresheets, Checklist) to <https://drive.google.com/drive/folders/1ViJ-NVpdfANJHaMRfPE59uBNhCqyPyq0?usp=sharing>
- Folder has been shared with the LHJ's
- If issues with upload, send video to [esantos@ltu.edu](mailto:esantos@ltu.edu)
- Results will be announced at the ROWC closing ceremony on Sat Oct 17
- Keep learning!



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