

24th LAWRENCE TECHNOLOGICAL UNIVERSITY ROBOFEST® 2023

General Rules

V 1.0 – Final Version for 2023 Season

This file can be found on the Robofest website on the **Get Involved** → **2023 Main** page

www.robofest.net

robofest@ltu.edu

248-204-3568

Room J233 Taubman Complex, LTU
21000 West 10 Mile Road, Southfield, MI 48075, USA

Table of Contents

Section	Pg
1. Robofest Overview and Schedule	4
2. Team and Coach Rules	10
3. Categories and Competition Formats	20
4. Registration and Fees	27
5. Advancing to World Championship	36
6. Video Submission Qualifier Rules	45
7. Online Qualifier Rules	49

Disclaimer

Any changes to this rules document will be posted to the Robofest.net website.

Coaches are responsible for communicating rule updates to participants

1. Robofest Overview and Schedule

What is Robofest
Robofest Mission Statement
Features of Robofest
Assessment and Surveys
Robofest LTU Scholarship
2023 Season Schedule

What is Robofest®

- Founded in 1999 by Dr. CJ Chung, Professor of Math and Computer Science at Lawrence Technological University
- A festival of competitions with autonomous robots offering students the opportunity to master principles of STEAM including Computer Science and AI, as well as communication, critical thinking, teamwork, and problem-solving skills while designing, constructing, and programming robots
- Since 1999, over 32,600 students have competed in Robofest, including teams from 14 US States and over 25 Countries

Robofest Mission Statement

Our mission is to:

- Generate excitement and interest among young people for Science, Technology, Engineering, Arts, and Mathematics (STEAM) Computer Science, and AI
- Develop essential skills such as teamwork, leadership, creativity, communication and problem solving
- Prepare students to excel in higher education and technological careers

Features of Robofest

- **100% Autonomous** - sensors required
- **Any Robot Platform / Programming Language** - for most categories
- **Small Teams** - Max 5 students per team for most categories (average team size is 3)
- **Challenging** - dynamic playing fields, unknown factors, and **no** direct adult help allowed
- **Recognition** - All participants receive personalized medals and certificates
- **Two Age Divisions** for most categories:
 - Jr. Division: 5th – 8th Grades
 - Sr. Division: 9th – 12th Grades
- **Affordable** - reuse old kits, off-the-shelf parts, \$75 team registration fee
- **Variety** of competition categories for more opportunities in STEAM learning
- **Accountable** - Anonymous surveys of participants before and after competition to measure success of the program

Robofest Assessments and Surveys

- During the registration process, the coach will receive a link to a survey that they should forward to each member of the team to complete
- The purpose of the assessment (or surveys) is to quantify and analyze students' interest in STEAM subjects and student improvements in STEAM skills through Robofest
- Participants will be assessed before and after the competition to see the level of improvement. Pre-assessment/survey instructions will be sent to all coaches registered at a site. Coaches will receive post-assessment survey instructions later in the season
- This assessment is anonymous and results may be published in annual reports as well as a journal on education research

Robofest LTU Scholarship

Robofest team members who choose to attend Lawrence Technological University may apply for a \$3,000 annual renewable scholarship (total of \$12,000)

- After submitting your LTU Application, complete the Robofest Scholarship application on the [LTU.edu Scholarship/First Year Students](#) page along with a 400-word essay regarding your Robofest experience and your career goals
- Submit a letter of recommendation from one of your Robofest adult coaches or mentors
- Robofest can assist with letter of recommendation
- Submission Deadline: April 1, 2023

2023 Robofest Schedule

- **Jan 7, 2023:** US Final Rules published
- **Jan ~ Mar:** Technical workshops In-Person at LTU
- **Jan ~ Apr:** International and US Qualifiers
- **Feb 11:** Game Judge Training event on LTU campus
- **February ~ April:** Post-assessment survey sent to coaches
- **April 17:**
 - Video Qualifier Submission deadline for US and International Video Game and Exhibition teams
 - Video Submission deadline for Virtual Regional Screening of Winning US Exhibition teams
- **April 20:** Video Qualifier and Virtual Regional teams notified of advancement to World Championship
- **April 20 & 21:** Michigan Invitational Events hosted at LTU
- **May 11, 12 & 13:** Robofest World Championship Events at LTU:
 - May 11 – Jr BottleSumo (Group 1)
 - May 12 – Jr BottleSumo (Group 2), Sr BottleSumo, RoboParade, RoboMed
 - May 13 – Jr BottleSumo Final Match, RoboArts, Game, Exhibition

2. Team and Coach Rules

Team Formation
Coach Qualification
Coaching Teams
Consent & Media Release Form

Team Responsibilities
Team Volunteers, Sponsors and Publicity
Robofest Team Pledge
Robofest Coach Pledge

Team Formation

- Any organization such as a school, home school, civic organization, club, etc. can form teams
- Grade Level Divisions for each competition category are indicated in section 3. Grade levels denote the student's grade as of spring, 2023
- For any exceptions in a student's grade, the coach must complete the online "*Age Division Waiver Request*" at the time of registration
 - Playing up from lower grades into Jr. Division and from Jr. Division to Sr. Division is allowed as long as the student has exceptional talent in construction of the robot *and* computer programming, and has the ability to set up, solve problems and contribute to their team during the competition. Examples must be specified on the request
 - Playing down is discouraged. The reason to request playing down must be specified on the request
 - For either playing up or playing down, coaches should obtain consent from their entire team and their parents and agree to the provisions of the waiver. Robofest will notify the coach of the age waiver decision
- A team member may join multiple teams *in other competitions, not in the same category*. For example, a student can join a Game team and an Exhibition team. When a coach has multiple game teams, a student can join only one game team
- A team can register at multiple qualifying sites if they would like a second chance to qualify

Coach Qualification

- Must be adults with no criminal record
- Must agree to and abide by the Coach Pledge (Page 19)
- Must have a valid email address and must check the email account regularly
 - Email is the primary and official communication method between the Robofest organizer and the team. Coach must submit AND confirm email address changes in the Robofest registration system by logging into the coach's Robofest account
- Must enter and verify team information before registration closes (**10** days before the competition)
 - Each team member's personalized certificate and participation medal will be printed based on the information the coach enters on the website
 - Robofest will charge to reprint items due to incorrectly entered information
- Must coordinate pre- and post-assessments (or surveys) online to help Robofest administration gather data regarding the students' learning of STEAM subjects
- May register **different** teams for multiple qualifying sites using the same Coach ID
- Facilitate, transport, and oversee team members at team meetings and at Robofest competitions

Coaching Teams

- Coaches, parents, teachers or mentors may not directly assemble the robots, or write/edit the program code for the team at any time. During coaching sessions and team meetings, coaches should teach and/or provide necessary training for the team to solve the challenge problems by themselves
- Robofest recommends that coaches recruit technical mentors or assistant coaches if necessary. - Contact local IEEE (Institute of Electrical and Electronics Engineers) chapters (Robofest medal sponsor), ACM (Association for Computing Machinery) chapters, engineers' societies, robotics clubs, tech companies, community colleges, or universities to find volunteer technical mentors
- Robofest provides some technical workshops at LTU and/or online. Books, multimedia curriculum, and other online resources are also available

Consent & Media Release Form

All team volunteers coaches, and students must submit an *Informed Consent, Release and Media Authorization Form* and agree to our *privacy policy*

- Coaches must agree to the Privacy Policy and Consent and Release Form online each time they register a team
- Student form can be completed by the parent electronically through the registration system:
 - On the team registration page, the coach enters a "Parent Email" for each student
 - The parent will receive an automated email with a link to complete and submit the form online
- If coach does not have the parent's email at the time of registration, the coach can enter his/her own email address and can then forward the link to the parent OR the coach can update the parent's email and send the link at any time prior to the registration close date
- If no online form has been submitted, a hard copy form (signed by the parent) must be turned in during check-in on the date of the event **OR emailed directly to the Robofest Office** (robofest@ltu.edu)
 - PDF available on the robofest.net website: <https://robofest.net/RobofestConsentReleaseForm.pdf>

Team Responsibilities (1/2)

- All teams must observe the check-in time set by the Site Host Organizer
- Materials needed on competition day:
 - Robot(s), spare parts, and extra batteries (or charger)
 - Laptop or other computer **for each team** to solve unknown factors or adjust to the lighting conditions
 - Power strip and power cable
 - *Exhibition Style teams* (Exhibition, RoboArts and RoboMed): poster boards to introduce project and all necessary materials
 - Signed *Consent & Media Release* Forms for team members and team volunteers – *if not completed online or emailed to Robofest Office*
 - Site check-in fee, if your qualifying site charges a check-in fee. Check your site web page

Team Responsibilities (2/2)

- Only official team participants will be allowed in the pit (team table) area
 - Adults can assist with carrying in team materials, escorted by a proctor, but must immediately leave the pit area for all Game Style categories
 - No adults are allowed in the pit (team table) area during the work time for all Game Style categories
 - Additional restrictions may apply for specific categories
- Students in the pit area are prohibited from interacting with adults using wireless, Bluetooth, or any other form of communication
- For security purposes, we suggest that team members close laptops when stepping away from the team table to conduct a practice run
- Participants must not interfere with other teams in any way
- Be respectful of all teams. Do not make unnecessary noise which might disturb other teams
- No food or drink is allowed inside the pit and competition areas
- No flash photography is allowed inside the competition area

Team Volunteers, Sponsors & Publicity

Team Volunteers

- Coaches are encouraged to recruit volunteers for technical mentoring, financial sponsorship, transportation, constructing playing fields, preparing food, taking pictures, videotaping, etc.
- The Robofest website will list up to four volunteers per team
- LTU/Robofest has become a Certifying Organization for the President's Volunteer Service Award, or PVSA (www.presidentialserviceawards.gov). All Robofest team and site volunteers are encouraged to track service hours

Team Sponsors

Up to 4 Team Sponsors can be recognized in the registration system. These sponsors can be individuals, groups, or other organizations that donate cash, products, or in-kind services to the team

Publicity

Before and after Robofest, please contact newspapers, radio, and TV stations to recognize your teams' efforts and achievements. Let Robofest administration (robofest@LTU.edu) know if your teams were featured in any media outlets

Robofest Team Pledge

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 Robofest 2023 great by upholding the Spirit of Robofest.

Robofest Coach Pledge

As a Robofest coach, I have read and agree to abide by the Robofest 2023 general and category specific rules as they exist now and as they may be set forth during the Robofest season.

As a coach, I am responsible for communicating and enforcing the Robofest rules to team members, team volunteers, and others affiliated with my team. I understand that any rule updates, guidelines, additional information, and announcements will be communicated to me, officially via emails, or webpage updates. I am responsible for reading the information and I will relay it to all the people affiliated with my team. If any changes are made to my email account, I will notify Robofest administrators as well as update my coach profile.

As a Robofest coach, I understand that the students come first. Robofest is about the students learning computer technologies, science, engineering, and mathematics. Everything my team does starts and ends with the principle: the students do all of the work. My team members will do the designing and building of the robot, problem solving and programming. Adults can help them find the answers, but cannot give them the answers or make the decisions in detail.

I intend to uphold and maintain the Robofest spirit.

3. Categories and Competition Formats

2023 Qualifier Categories

2023 Open Categories

2023 Qualifier Categories

Teams must compete at a 2023 In-Person, Video or Online Qualifier in order to advance to the Robofest World Championship Final events

Competition Category	Age (Grade*) Divisions	Maximum Team Size	Robot Platform	Unknown Factors	Note
Game	Jr. (5 th -8 th) & Sr. (9 th -12 th)	5	Any	Partially unknown	Each team uses a fully autonomous robot to play this year's game, Supply Chain Challenge
Exhibition	Jr. (5 th -8 th) & Sr. (9 th -12 th)	5	Any	Lighting Conditions	Teams have complete freedom to show off a creative autonomous robotics project

(*) *School Grade in spring 2023* - For exceptions to student's grade, complete the online "Age Division Waiver Request" at the time of registration

2023 Open Categories (1/2)

International Member Country Delegates are selected by their Director. Any team from non-member countries may register online as long as space is available, with no qualification necessary

Competition Category	Age (Grade*) Divisions	Max Team Size	Robot Platform	Unknown Factors	Competition Venues:
Unknown Mission Challenge (UMC)	Jr. (5 th -8 th) Sr. (9 th -12 th)	4	LEGO NXT, EV3, Spike Prime, or VEX IQ	Fully unknown	Robofest World Championship, Hosted by Robofest
BottleSumo	Jr. (5 th -8 th)	3	LEGO NXT, EV3, Spike Prime or VEX IQ	Partially unknown	Local Sites & Robofest World Championship, Hosted by Robofest
	Sr. Classic (9 th -12 th)	3		Partially unknown	
	Sr. Unlimited (9 th -12 th)	3	Any	Partially unknown	

(*) School Grade in spring 2023 - For exceptions to student's grade, complete the online "Age Division Waiver Request" at the time of registration

2023 Open Categories (2/2)

International Member Country Delegates are selected by their Director. Any team from non-member countries may register online as long as space is available, with no qualification necessary

Competition Category	Age (Grade*) Divisions	Max Team Size	Robot Platform	Unknown Factors	Competition Venues:
RoboArts	Jr. (5 th -8 th) Sr. (9 th -12 th)	5	Any	Lighting Conditions	Local Sites & Robofest World Championship, Hosted by Robofest
RoboParade	Jr. (4 th -8 th)	5	Any	Lighting Conditions	Local Sites & Robofest World Championship, Hosted by Robofest Theme: Animation
RoboMed	NEW! Jr. (5 th -8 th) Sr. (9 th -12 th) College	5	Any	Lighting Conditions	Robofest World Championship, Hosted by Robofest

(*) School Grade in spring 2023 - For exceptions to student's grade, complete the online "Age Division Waiver Request" at the time of registration

4. Registration and Fees

Registration Fees – US

Registration Fees – International

Registration Fees – World
Championship

Coach Registration

Site Registration

Team Registration

Registration Fee Payment

Optional Team and Robot Photos

Registration Fees– US

- Registration Fee paid to LTU Robofest
- Separate Fee applied to each event
- Site Host may request additional site check-in fee to cover costs
- No refunds will be given
- Game and Exhibition Teams who advance to the Robofest World Championship will pay a separate World Championship Registration Fee

Event/Format	Hosted by	Fee	Competition Materials (Certificates, Medals and Awards)
Qualifier - In-Person	US Hosts	\$75	Presented to teams at event
Qualifier - Video Submission	LTU Robofest Office	\$75	Robofest automatically ships to Teams after completion of event
Qualifier - Online (if needed)	US Hosts	\$75	Host automatically ships to Teams after completion of event
Open Events - In-Person *May differ by site	US Hosts	\$75*	Presented to teams at event

Registration Fees - International

- ***Some International Site Hosts may have different fee structure**
- Applies only if Registration Fee is paid directly to LTU Robofest
- No refunds will be given
- Sites may request additional site check-in fees
- Teams who advance to the Robofest World Championship will pay a separate Registration Fee to LTU Robofest

Event/Format	Hosted by	Fee*	Competition Materials (Certificates, Medals and Awards)
Qualifier - In-Person	International Hosts	\$75	Presented to teams at event
Qualifier - Video Submission (teams from non-member countries)	International Hosts LTU Robofest Office	\$75	Robofest ships to Teams after completion of event
Qualifier - Online	International Hosts	\$75	Site Host ships to Teams after completion of event
Open Events - In-Person	International Hosts	\$75	Presented to teams at event

Registration Fees – World Championship

- Registration Fee paid to LTU Robofest
- Applied to each Category including Game and Exhibition Finals
- No refunds will be given

Event/Format	Hosted by	Fee	Competition Materials (Certificates, Medals and Awards)
<ul style="list-style-type: none"> • Game Finals • Exhibition Finals • UMC • BottleSumo • RoboArts • RoboMed • RoboParade 	LTU Robofest Office at Lawrence Technological University May 11-13, 2023	\$75	Presented to teams at event during Award Ceremonies (schedule to be announced)

Coach Registration

- **Returning Coaches** are encouraged to use their prior coach ID and password. If you forgot your Coach ID or password or ID, click on "[Forgot Coach ID or Password](#)"
- **New Coaches**
 - Submit new [coach registration](#) online at www.robofest.net
 - After submitting the registration form, a numeric Coach ID will immediately be sent to the coach by email from *do-not-reply@robofest.net*
 - YOU MUST CONFIRM COACH REGISTRATION BY CLICKING A LINK IN THE EMAIL CONFIRMATION SENT TO YOU
 - If you do not receive the confirmation email, contact robofest@LTU.edu or 248-204-3568 to resolve the problem. (An incorrect email address in the coach registration form may be the cause)
 - Please also check your spam folder before contacting us

Site Registration

- US Team registration and some International Team registration is managed online at www.robofest.net
- Registered Robofest Coaches register teams; a coach may have multiple teams using the same coach ID #
- Registration deadline is 10 days before the competition date for each site
- Competition category may be cancelled if 5 teams are not registered
 - Teams already registered can request transfer to another site if one is within a reasonable distance OR
 - Teams can transfer their registration to another qualifier format
- Site Host may collect an additional site check-in fee which will be used solely by the competition host site. Each qualifying site web page specifies the fee amount under “Site Check-In Fee”

Team Registration

- Register early - a competition division/site will close when registration reaches maximum capacity. AND
- A division/site will be canceled if minimum registration is not met
- Using the numeric coach ID and password, create teams in selected site. Enter the chosen Team Name, robot type and programming language
- Exhibition Style (Exhibition, RoboArts and RoboMed) teams only - enter a short project description
- Team Video URL field is for teams who compete via Video Qualifier and for all Exhibition Style Teams
- Enter each team member's first name, last name, gender, grade (for exceptions to grade, see "Team Formation in section 2), student email address, parent email address (to send a link to submit the *Informed Consent, Release and Media Authorization Form* and agree to our *privacy policy*), and ethnicity (US teams)
- Optional: Enter each team volunteer's (not Head Coach) first name, last name, role and email address, and enter each sponsor's name and email address
- Accept the Robofest Coach's Pledge, agree to the *Informed Consent, Release and Media Authorization*, and agree to our *privacy policy*

Registration Fee Payment

- After creating all of your teams, pay the registration fee(s):
 - Online using a major credit card through PayPal. A PayPal account is NOT required to make payment. You will receive a payment confirmation email from PayPal, which can be used as a receipt
 - Send a check payable to LTU Robofest to: ***LTU Robofest, 21000 West 10 Mile Rd., Southfield, MI 48075, USA.*** Make sure to **WRITE THE TEAM NUMBER(S) IN THE MEMO LINE OF THE CHECK AND INCLUDE A HARD COPY OF THE INVOICE PAGE FROM THE WEB WHEN YOU MAIL THE CHECK.** Your team registration will be complete once Robofest/LTU receives the check

Optional Team and Robot Photos

- Team and Robot photos can be uploaded to be included on the team's personalized certificates if desired. Take a team photo and upload it to the coach account on the web. The photo must be uploaded before the registration close date of the qualifying competition. Steps are:
 1. Log on to your coach account
 2. Click on "Upload Team Photos" link under Team Management on the left menu bar
 3. Select the site and team and upload the file
- Photo Requirements:
 - Standard **landscape photo** file such as png, jpg, gif or tif (ratio should be 4:3 or 16:9)
 - Smaller file size is recommended
 - Must show all the team members listed
 - Only students should be in the photo

5. Advancing to World Championship

US Teams

Michigan Teams

International Teams

Advancing to World Championship - US

GAME TEAMS:

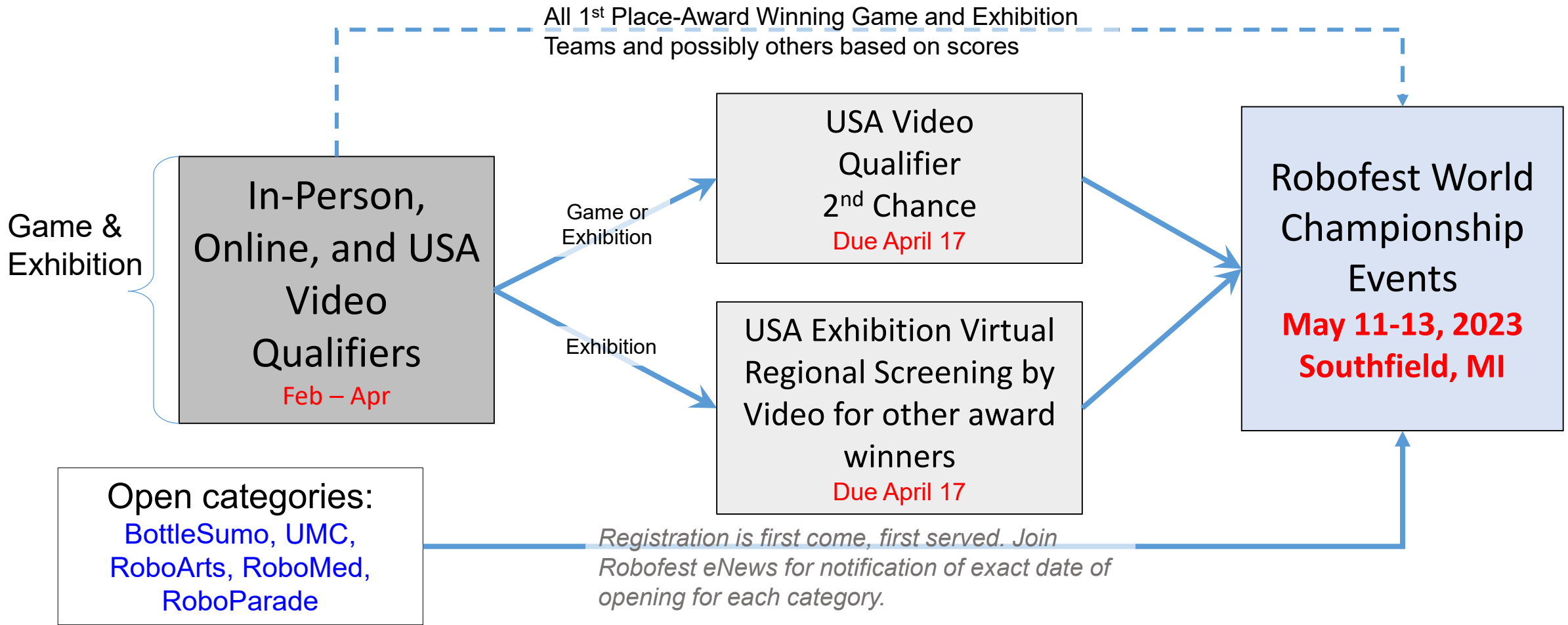
- Place award trophies are presented to 20% of participating teams at qualifier
- **All 1st Place Award-winning Game teams** from each qualifying competition will automatically advance to the Robofest World Championship Game Finals on May 13, 2023
- Other Award-winning Game teams may be invited to the Robofest World Championship Game Final based on their qualifying score
- Game teams who would like a second chance to qualify for the Robofest World Championship Finals may register to compete again via the Video_Qualifier_USA competition (See Section 6)
 - Teams must register with a new team number and pay a new registration fee to be eligible to compete
 - Total number of teams advancing to the Finals will be decided by the team's scores

Advancing to World Championship - US

EXHIBITION TEAMS:

- Place award trophies are presented to 20% of participating teams at qualifier
- **All 1st Place Award-winning Exhibition teams** from each Qualifying competition will automatically advance to the Robofest World Championship Exhibition Finals May 13, 2023
- Other Award-winning Exhibition teams will be screened through a Virtual Regional and will be invited to the Robofest World Championship Exhibition Finals based on their scores
 - Video link must be uploaded to the team's registration (See section 6 for video guidelines)
 - Submission deadline for the Virtual Regional Video is 11:59 pm Eastern time, Monday April 17, 2023
- Other Exhibition teams who would like a second chance to qualify for Robofest World Championship Finals may register to compete again via the Video_Qualifier_USA (see section 6)
 - Teams must register with a new team number and pay a new registration fee to be eligible to compete
 - Total number of teams advancing to the Finals will be decided by the team's scores

Advancing to World Championship – US



Advancing to World Championship – MI Teams

GAME TEAMS:

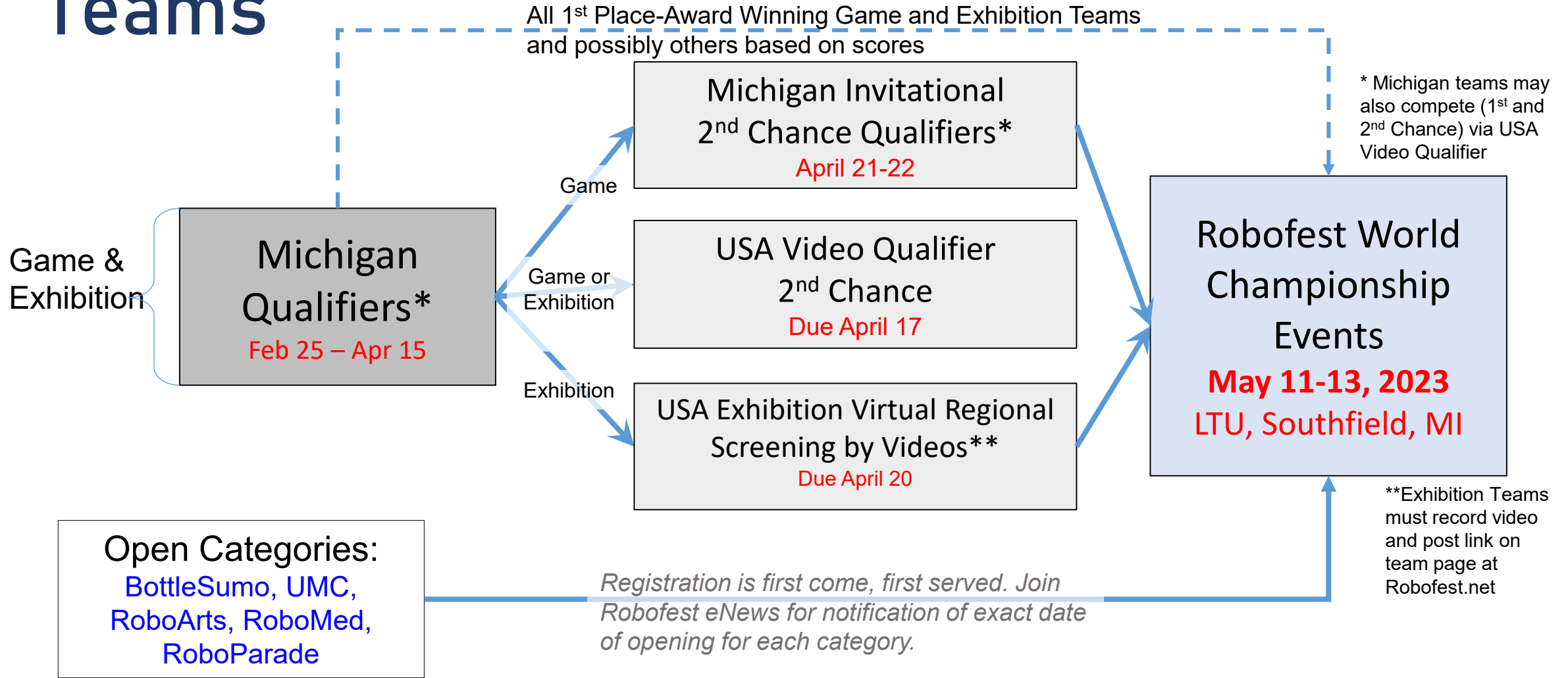
- Place award trophies are presented to 20% of participating teams at qualifier
- **All 1st Place Award-winning Game teams** from each qualifying competition will automatically advance to the Robofest World Championship Game Finals on May 13, 2023
- Other Award-winning Game teams may be invited to the Robofest World Championship Game Final based on their qualifying score
- Other Game teams who would like a second chance to qualify for the Robofest World Championship Finals may register to compete again via the Video_Qualifier_USA competition (see section 6) OR the Michigan Invitational events at LTU on April 21-22
 - Teams must register with a new team number and pay a new registration fee
 - Total number of teams advancing to the World Championship will be decided by the team's scores

Advancing to World Championship – MI Teams

EXHIBITION TEAMS:

- Place award trophies are presented to 20% of participating teams at qualifier
- **All 1st Place Award-winning Game teams** from each Qualifying competition will automatically advance to the Robofest World Championship Game Finals on May 13, 2023
- Other Award-winning Exhibition teams will be screened through a Virtual Regional and will be invited to the Robofest World Championship Exhibition Finals based on their scores
 - Video link must be uploaded to the team's registration (See section 6 for video guidelines)
 - Submission Deadline for the Virtual Regional Video is 11:59 pm Eastern time, Monday April 17, 2023
- Other Exhibition teams who would like a second chance to qualify for the Robofest World Championship Finals may register to compete again via the Video_Qualifier_USA competition
 - Teams must register with a new team number and pay a new registration fee
 - Total number of teams advancing to the World Championship will be decided by the team's scores

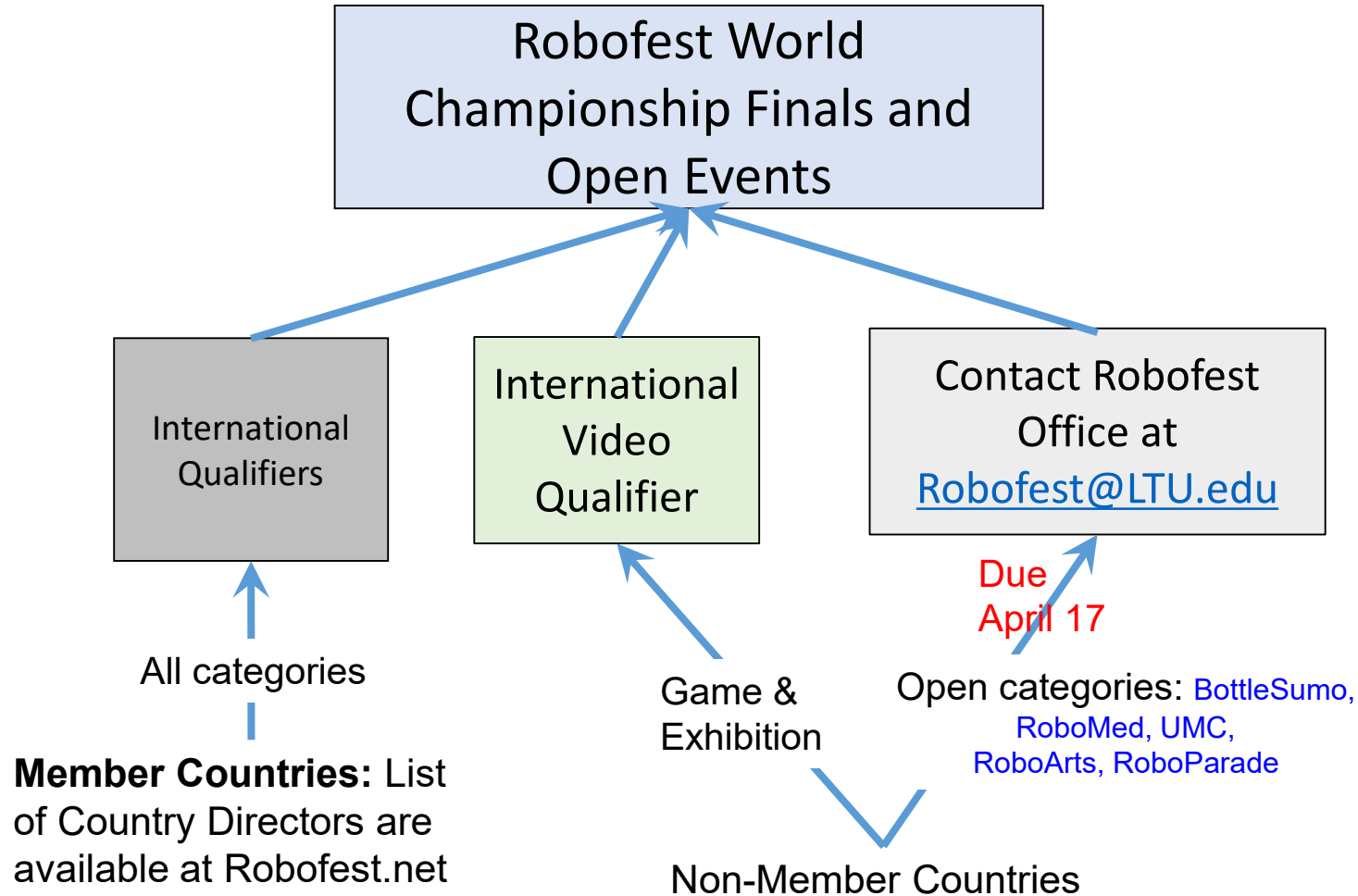
Advancing to World Championship - MI Teams



Advancing to World Championship – International Teams

- International Game, Exhibition and Open Category teams in Member Countries will compete at Member Country Events
- List of [International Directors](#) is available at Robofest.net
- Qualified teams will be advanced to the World Championship through the Director
- International Game and Exhibition teams in non-member countries may compete via Video_Qualifier_International Submission
- International Open Category teams in non-member countries can register directly for the Robofest World Championship Open Category events as space permits

Advancing to World Championship – International Teams



Advancing to World Championship – International Team Quota

The number of teams each National Organizer may advance to the 2023 Robofest World Championship events is based on the number of local events* and teams hosted and is set as follows:

Game and Exhibition Categories; Junior and Senior Divisions:	
# of Teams Competing at Local Event in Category/Division	# of Teams Advancing to Robofest World Championship Finals
5-49	1
50+	2

Open Categories; Junior, Senior and College Divisions:	
# of Teams Competing at Local Event in Category/Division	# of Team Entries for Robofest WC Open Category Event
1-39**	1
40-99	2
100+	3

*event registered in Robofest Management System (Option 1, Option 2 or Option 3)

** Open Category teams may be selected from teams participating in another category if the open category is not hosted

6. Video Submission Qualifier Rules

Video Submission Qualifier Rules

- A. International Game and Exhibition teams in non-member countries may register for **Video_Qualifier_International** hosted by Robofest Office
- B. US Game and Exhibition Teams may register for **Video_Qualifier_USA** hosted by Robofest Office
- C. See Registration Fees in Section 4
- D. Game Unknown Tasks and Factors (UTF) will be emailed to the coach on Thursday, April 6, 2023
- E. Submission Deadline is 11:59 pm Eastern Time, Monday, April 17, 2023
- F. Adults may help produce the video. Team should acknowledge everyone involved in the video production in the credits

Video Submission Qualifier Rules

- G. Coach must upload link (saved to video sharing site) to the video on the team's registration page
 1. Log on to coach account
 2. Click on "Team Video Links" on the Team Management Menu on the left menu
 3. Select the site and team
 4. Enter the URL for the video (URL can also be entered directly on team edit page)
- H. US teams will be permitted to re-compete through the USA Video Qualifier for a second chance to qualify for Game or Exhibition World Championship Finals
Teams must re-register on the Video_Qualifier_USA site with a new Team ID / new Registration Fee
- I. Robofest will ship participation medals and certificates and any award to all Video Qualifier team coaches
- J. If team advances to the World Championship, team has the option to receive awards at ceremony

Video Submission Qualifier Rules

- K. Recommended video contents (refer to Category rules documents for additional category-specific information)
 - 1. Start with the team ID, Team Name and team member introduction, around 5 seconds for each member
 - 2. Game Teams:
 - a. Demonstrate all required rounds
 - b. Show entire playing field
 - c. Wait for 3 second after run is completed to stop video recording
 - d. The video should not be edited once each round has started
 - e. You do not need to show work time
 - 3. Exhibition Teams:
 - a. Introduce features of the robots, around 5 seconds for each robot
 - b. 4-minute Exhibition Presentation. The video should not be edited once the presentation has started
 - c. 2-minute question and answer session (interview–style). Coaches may prepare and ask questions
 - 4. Rolling credit and/or acknowledgement

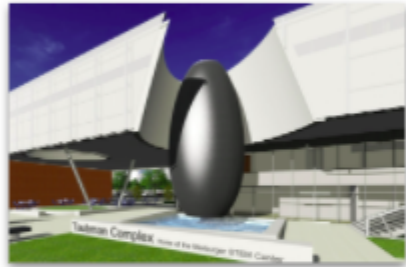
7. Online Qualifier Rules

Online Format Event Setup

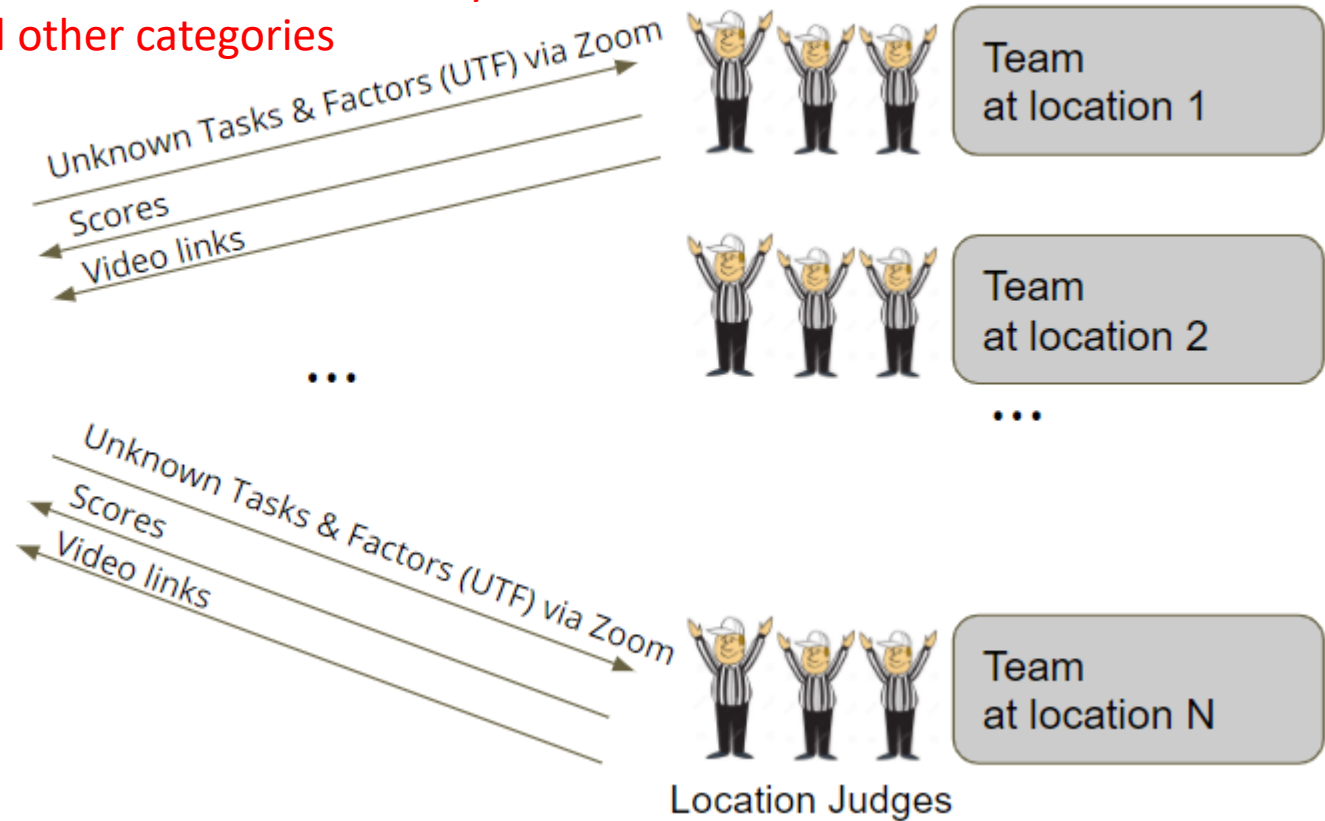
- For Online events, each team must be ready to demo & run robots alone at **one** location
- Each team must have means for video conferencing (camera & microphone). Each team must log in to Zoom with a separate device
- During the Game Style competitions, each team must have its own playing field. We run all robots *at the same time* after unveiling Unknown Tasks & Factors (UTF)
- Each team must have a second device for filming (Game Style)
- Multiple teams at one location are not recommended due to audio echo problem if multiple speakers are used

Online Format Judging Concept - Game, UMC, BottleSumo*

*as of this version, Robofest is not hosting Online Game Qualifiers and Finals in 2023. However, other hosts may offer this format for Game and other categories



Robofest Office at LTU
(Or Local Site Host)



Online Format Judging Concept - Exhibition, RoboArts, and RoboMed*

*as of this version, Robofest is not hosting Online Exhibition Qualifiers and Finals in 2023. However, other hosts may offer this format for these categories



A panel of Judges - all appointed by Site Host

Code Inspector(s) will recommend points for programming

