



# İTÜRO 2023

## 15. INTERNATIONAL ITU ROBOT OLYMPICS

### General Rules of Competitions



## Istanbul Technical University Robot Olympics 2023

### Above Category Rules

*It is assumed that each person who registers and participates in ITURO has read and accepted the relevant competition rules and the Above Category Rules. Participants may be disqualified if the rules are not followed.*

#### Participation Conditions and Registrations

- 1) There are no conditions required for participation in ITURO. Anyone who designs a robot suitable for any of the categories can become a competitor.
- 2) Start date of registrations [ITURO Website](#) will be announced via
- 3) Registration will be done through the website. of the competitors [ITURO Website](#) They need to register robots online at the address.
- 4) Registrations are renewed every year. Persons who have been competitors in any of the previous organizations are required to repeat the registration steps from the beginning once again.
- 5) Organization day of the contestants who registered via the web. [ITU Süleyman Demirel Cultural Center](#) They need to get their registration approved and get their participant cards from the registration desk located in .

#### Organization Layout

- 6) For each school or group participating in the organization, a table will be reserved for them to take care of their robots and place their belongings.
- 7) During the organization, the warnings of the floor attendants should be taken into account regarding the placement on the tables.
- 8) No second table will be given to the same school or group unless it has more than 10 robots.
- 9) The Control and Automation Club cannot be held responsible for any items lost or damaged during the organization.
- 10) The Control and Automation Club has the right to disqualify any competitor who behaves in a way that disrupts the order during the organization.



- 11) Persons found to have damaged another competitor's robot, personal belongings or any property in the organization area will be disqualified together with the group.
- 12) It is forbidden for schools or groups to promote externally (brochures, posters, roll-ups, etc.) with advertising content.

## Robots and Tracks

- 13) One person is responsible for each robot that will participate in the competition.
- 14) Competitors must have the participant cards given to them during registration when they come to the competition area, otherwise they cannot prove that they are responsible for that robot.
- 15) Robots competing in the organization have to carry their power sources.
- 16) Only electrical power sources can be used in robots participating in competitions.
- 17) Scenario: All robots competing in categories other than Search and Rescue must be autonomous.
- 18) Records of robots that contain insulting, insulting, obscene and obscene connotations in their names will not be approved during the organization. During registration, the competitor will be asked to change the name of the robot with a possible warning, and the robot can be re-registered with a suitable name.
- 19) Robots that do not meet the robot features specified under the competition rules cannot participate in the competitions.
- 20) The "1 Contestant 1 Prize" arrangement will be applied in the competition. According to the "1 Contestant 1 Prize" regulation, the contestants will be able to participate in the categories with more than one robot, but only the robot with the highest score among these robots will be able to receive a rating.
- 21) In the Mini Sumo and Line Follower: Republic Road categories, the "1 Competitor 1 Robot" arrangement will be applied. Competitors will have the right to register 1 robot for this category.
- 22) If the same robot is requested to compete in 2 different categories, this request will be accepted.
- 23) All our runways have a tolerance of  $\pm 5\%$ . Competitors are advised to build their robots with this in mind.
- 24) Runways may have indentations and protrusions  $\pm 2$  mm high or deep.
- 25) The thickness of the line to be used in categories that require line tracing will be 18mm.
- 26) The materials used on the tracks can be decota, MDF, plexiglass, chipboard or tarpaulin.



## Contests and Announcement of Results

- 27) During the competition, only the person responsible for the robot can put the robot on the track and compete.
- 28) The right to ask questions and express opinions to the referees during the competition belongs only to the person in charge of the competing robot. It is forbidden for people other than the robot responsible to interfere with the competition. In such a case, the person who continues to object may be disqualified.
- 29) During the competitions, robots that damage the tracks for any reason are eliminated from the competition they are in, and they are deemed to have lost their previous matches in the Mini Sumo category.
- 30) It is forbidden to object to the results during the competition as it will disrupt and disrupt the order of the competition. Appeals must then be made in accordance with the rules. The Control and Automation Club has the right to disqualify the competitors who continue to object to the referee in a way that prevents the continuation of the competitions.
- 31) Competitors who make intense and harsh verbal objections to the competition judges will be warned that they may be disqualified from the competition if they continue to do so. If the competitor continues to move, the competitor may be disqualified from the competition in line with the joint decision of the referees.
- 32) Objections will be evaluated within 15 minutes from the end of the competition. Delivered robots cannot be taken back during this period. All competitors must be present in the competition area during this time.
- 33) Competitors who act humiliating their opponent or referee before or after the competitions will be eliminated from all competitions.
- 34) In all cases not specified in the rules on the site, the only authorized competition referees.
- 35) In a situation that may affect the ranking, the competition referee may re-run a robot or all robots without asking the competitors.
- 36) Points and rankings broadcast from informative screens (LED panel, television, etc.) during the competition are not official results.
- 37) The results will be announced at the award ceremony to be held on the last day of the competition.
- 38) Robots that fail to complete the success criteria in the competitions are not taken into consideration.

## Receiving and Evaluation of Objections



- 39) Competitors who want to object to the results should apply to the refereeing board with a petition written in a predetermined format. Objections not made in writing will not be considered.
- 40) Objections will be evaluated by an impartial committee (Supreme Board of Referees) determined by the Control and Automation Club and the results of the evaluation will be notified to the relevant persons.
- 41) Objections that are not made in accordance with the rules will not be taken into consideration.
- 42) An objection that has been previously rejected on the same subject cannot be made again. Persons who repeat the same objection will be disqualified.
- 43) In the Mini Sumo category, the competitor who makes a written objection may request an early reading of his objection if he thinks that the reason for his objection may have an impact on the results of the tour or group.
- 44) In the event that the electromechanical systems used in the competitions damage the robots, the responsibility does not belong to the ITURO team, objections will not be considered.
- 45) Objections on issues such as the location of the runways and the light level of the hall are not considered.

## Contest Rules

- 46) For each category, the relevant category rules and above-category rules apply.
- 47) Istanbul Technical University Robot Olympics Team reserves the right to make changes in competitions and rules without notice.

REVISIONS		
Revision	History	Changes
1.0	01.01.2023	-
1.1	13.03.2023	- Updated "1 Competitor 1 Robot" categories.