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I. TIRT Top International Robotic Tournament - General Rules Explanation

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1.1 Definition

These rules apply to all related competition events of the " The 2024 INTERNATIONAL ROBOTIC FESTIVAL IN TAOYUAN- TIRT Top International Robotic Tournament " .

These rules are the general rules of the competition. For detailed regulations of each event, please refer to the attached competition rules.

1.2 Applicability

These rules apply to all domestic and international participants, teachers, teams, and related personnel of the " The 2024 INTERNATIONAL ROBOTIC FESTIVAL IN TAOYUAN- TIRT Top International Robotic Tournament " .

1.3 Implementation

- a. These rules are in effect during the entire " The 2024 INTERNATIONAL ROBOTIC FESTIVAL IN TAOYUAN- TIRT Top International Robotic Tournament " . All applicable parties must abide by these rules and demonstrate the spirit of the competition. Specific regulations of each event can be found in the attached rules. All applicable parties must thoroughly read these rules before the competition. Violation of the competition spirit or rules may result in disqualification and cancellation of results according to the regulations.
- b. During the implementation of these rules, if participants have any inquiries or questions, they should raise them to the referees before the competition starts. Once the competition begins, any subsequent objections will not be considered. In case of disagreements or differences in understanding the rules, the consensus of the referees will be the final decision. Any disputes that violate the appeal procedure may be rejected by the organizing unit, and all associated costs will be borne by the party raising the objection. Matters not covered by these rules will be decided and announced by the organizer or referees during the competition.

1.4 General Competition Regulations

- a. Violations by participants and teams in the following situations will result in disqualification and the revocation of rewards:
 - ① Impersonating the original registrant to participate in the competition or registration check-in. If this is discovered by the staff or reported and verified as true, the original registrant (the whole team) and the replacement participants (the whole team) will be disqualified. If

they participate in other " The 2024 INTERNATIONAL ROBOTIC FESTIVAL IN TAOYUAN- TIRT Top International Robotic Tournament " events, their results and qualifications will also be revoked and the rewards will be recovered.

- ② **Failure to meet the team composition and eligibility requirements specified for the competition. For example, a participant without a valid student status recognized by the Ministry of Education.**
- ③ During the competition, if a parent, mentor, or other non-participant enters the competition venue or provides deliberate guidance through any means or electronic communication software, once discovered by the event staff or reported and verified as true, the participant will be disqualified as determined by the referees.
- ④ During the competition, if a participant assists a non-affiliated team in their competition, once discovered by the staff or reported and verified as true by others.
- ⑤ If a participating team carries tools and materials that violate the organizer's regulations into the competition venue, or carries prohibited items mentioned in the event regulations into the venue, once verified as true.
- ⑥ Intentionally damaging the competition venue, competition props, or the works of other teams as determined by the organizer.
- ⑦ Using dangerous items or engaging in behaviors that may affect the competition as determined by the organizer.
- ⑧ Making inappropriate verbal or behavioral attacks against participating teams, spectators, referees, or event staff, as determined by the organizer.
- ⑨ Any other matters deemed by the organizer or referees to affect the conduct of the competition or violate the spirit of the competition.

b. During the competition, the following circumstances may result in disqualification based on the judgment of the referees:

- ① Failure to complete the registration and check-in procedures according to the specified time.
- ② Failure to remain in the designated area during the competition, being absent after being called three times or leaving the designated area without permission.
- ③ Refusal to comply with the final ruling of the referees on the competition results.

- ④ When the competition is announced, participants who are unable to return to their designated areas to participate in the competition in time (and are not allowed to request the referee to wait or delay the competition).
- ⑤ If a team assists another team in repairing their work or using another team's work for competition, and this is discovered by staff or reported by others and confirmed to be true, both teams will be disqualified.
- ⑥ Participants who intentionally damage the work of others or are deemed by the referee to have affected the progress of others' competition activities.
- ⑦ During the competition, participants who use communication devices to transmit competition-related information, and after verification, it is confirmed that they have affected the progress of the competition or violated the competition rules.

c. Other notes:

- ① Once participants enter the preparation area after the official start of the competition, they are not allowed to leave the preparation area, and teachers, parents, and other non-participants are not allowed to enter the preparation area.
- ② Organizers may require non-participants who attempt to enter or have entered the competition control area to leave the competition venue.
- ③ Organizers may require participants or non-participants who attempt to influence the competition results and progress to leave the competition venue.
- ④ The schedule of each competition will be flexibly adjusted based on the actual number of registered teams. Participants should refer to the latest announcements on the official website.

1.5 Competition Venue

If the results cannot be determined due to venue conditions or unforeseen factors, the referee has the authority to determine a rematch, and participants are not allowed to object. If participants have any objections regarding the competition venue, they should raise them before the match starts. Objections raised after the competition starts will not be accepted, and the decision will be based on the judgment of the respective event referees.

- a. Referees have the authority to determine whether a rematch is necessary. If a rematch is deemed necessary by the referee, the result of the rematch will be considered final.

- b. Lighting, temperature, humidity, and other uncontrollable environmental factors, as well as hardware and spatial conditions, are considered challenges for participants and will not be taken into account as factors for rematch decision. This cannot be used as a basis for protesting against the competition format.
- c. The organizers have the right to adjust the venue size or format before the competition, and such adjustments will be announced on the official website. Participants should pay attention to the latest information on the official website before the competition, and protests regarding the competition format based on this will not be considered during the event.
- d. Referees of each event have the authority to adjust the positions and forms of competition stages during the official competition, and objections will not be accepted.

1.6 Principle of Rule Clarification

- a. During the competition, the referee has the absolute decision-making power. Teams that are deemed to have lost their qualification by the referee should immediately withdraw their robots from the competition, and the scores of that round will not be counted.
- b. All events do not accept video evidence as proof. During the competition, the referee team has the highest authority. The referee team's decision will not be changed by watching video recordings of the competition.
- c. The results of the competition are determined by the referee team of each event. If there are any doubts, they must be raised by "participants or teachers" to the referee of the respective event (objections raised by non-participants or teachers will not be accepted). The referee's decision is final and cannot be objected.
- d. In case of situations where the rules cannot be determined during the competition, the referee has the authority to interpret and make final decisions, and objections will not be accepted.

II. Event and Registration Information

2.1 Registration Time and Instructions:

- a. Registration Date:

Registration is now open and will be based on the announcements of the co-organizers.

- b. Deadline:

The deadline will be announced according to the registration information of the co-organizers.



- c. For more information, please visit the TIRT official website: <http://www.tirtpointsrace.org>

III. Prize Collection Information

3.1 Awarded Admission Quota

a. Number of Winners

The number of awards will not exceed one-third of the completed teams (including the top three) as determined by the judges. For example:

If there are 100 registered teams and 80 teams complete the competition, the number of awards will be one-third of the completed teams (rounded down) which is 26. Subtracting the top three winners (one each), there are 23 awards for honorable mentions.

Note 1: Special awards or sponsor awards are not governed by these regulations and are subject to the announcements of the co-organizers.

Note 2: The number of lightweight sumo robots and sumo robots, as well as integrated circuit application systems, differs due to the variations in competition rules. The actual quantity will be announced on the day of the competition.

3.2 Certificate Issuance Instructions

a. Certificate Presentation:

- ① The award certificates and prize money will be presented at the award ceremony on the day of the competition (participants will go on stage for name announcement and group photos). They will be distributed by the co-organizers after the competition.
- ② The award presentation will be conducted by the Taoyuan City Government. The event codes are Autonomous Vehicle Maker Challenge- Senior High School Student Group 、 Autonomous Vehicle Racing 、 SUMO Robots 、 Intelligent Service Competition (i-Service) 、 Intelligent Service Competition --Medical Delivery Robot 、 Lightweight Sumo Robots 、 AGV Task Challenge 、 Maze Robot Competition , a total of 12 categories in 8 events, and the top three winners in each category will also receive certificates from the Ministry of Education.

b. Participation Certificate

- ① Participants must complete the registration, attendance, and competition process on the day of the competition to be considered as completing the competition.

- ② Completed participants can use their registration number to log in to the website and apply for a participation certificate:

Application dates for the competition on 11/08 and 11/09,11/10 : 113/12/01-113/12/31

If no application is made within the specified time period, it will be considered as a waiver and no certificate will be issued.

- ③ TIRT official website QR code (download participation certificate, please request the link on the official website)<http://www.tirtpointsrace.org>



3.3 Comprehensive Competition Category Information and Numbered Schedule

(The schedules of each competition will be flexibly adjusted based on the actual number of registered teams. Participants should refer to the latest announcements on the official website for the most accurate information.)

11/08(Fri.) Taoyuan Dome - Opening Ceremony
Performance Events
Autonomous Vehicle Maker Challenge (Junior and Senior High School Student Group)
Korfball by Humanoid Robot
Maze Robot Competition
Autonomous Vehicle Racing
TM AI Cobot
2024 KidWind Challenge in Asia
Robots' Dragon Boat Racing
Integrated Circuit Application System - Electronic Components Soldering/ Unsoldering Specialist Class Contest

10/26(Sat.) Shayangye - Competition Categories			
Competition Events	Number	Group	Region
Elders and Youth Competition - Robot Remote Control Carnival	E-3	Mixed Age Group	Shayangye 6F Building

11/02(Sat.)Lunghwa University of Science and Technology - Competition Categories			
Competition Events	Number	Group	Region

Integrated Circuit Application System - Circuit Board Design Contest	T20	Senior High School Group(Five-Year Junior College Division)	Electronic Circuit Laboratory
	T21	College and University Group	F201 /F203 Classroom

11/03(Sun.) Lunghwa University of Science and Technology - Competition Categories

Competition Events	Number	Group	Region
Integrated Circuit Application System - Electronic Components Soldering/ Unsoldering Contest	T22	Senior High School Group(Five-Year Junior College Division)	Electronic Circuit Laboratory
	T23	College and University Group	F201 /F203 Classroom

11/08(Fri.) Taoyuan Dome - Competition Categories

Competition Events	Number	Group	Region
Integrated Circuit Application System - Electronic Components Soldering/ Unsoldering Specialist Class Contest	T-24	Senior High School Group(Five-Year Junior College Division)	I
	T-25	College and University Group	

11/09(Sat.) Taoyuan Dome - Competition Categories

Competition Events	Number	Group	Region
Intelligent Service Competition - Food Runner Robots	E-1	Mixed Age Group	II
Intelligent Service Competition – Autonomous Warehouse Robots	E-2	Mixed Age Group	II
Autonomous Vehicle Racing	G-1	Senior High School Group	IV
	G-2	College and University Group	
AGV Task Challenge	C-3	Senior High School Group	III
	C-4	College and University Group	
Korfball by Humanoid Robot	C-5	Mixed Age Group	

Bowling by Humanoid Robot	C-6	Mixed Age Group	III
AI Intelligent Drives competition	I-1	Elementary School Group	IV
	I-2	Junior High and High School Group	
	I-3	College and Social Group	
Speech Recognition Robot Tower Attack Task Competition	I-4	Elementary School Group	IV
	I-5	Junior High and High School Group	
	I-6	College and Social Group	
Power Machine Challenge Competition	I-7	Mixed Age Group	IV
	I-8	Senior High School Group	
Maze Robot Competition	F-1	Senior High School Group	IV
	F-2	College and University Group	
Robots' Soccer Game	T-3	Senior High School Group	I
	T-4	College and University Group	
Robots' Dragon Boat Racing	T-8	Senior High School Group	
	T-9	College and University Group	
AITEMI Robot Competition	T-6	Senior High School Group	
T1 Intelligent Car Racing	T-12	Senior High School Group	
Robots' Water Soccer Game	T-15	Senior High School Group	
Robot Creative Modeling Design Competition Group A (TBOT only)	T-17	High School, College, and University Group	
Robot Creative Modeling Design Group B Competition (AITEMI only)	T-19	Senior High School Group	

2024 KidWind Challenge in Asia	K-2	Senior High School Group	III
TM AI Cobot	-	-	I

11/10(Sun.) Taoyuan Dome - Competition Categories			
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Competition Events	Competition Events	Competition Events	Competition Events
Makers Robotic Competition	B-1	Elementary School Group	II
	B-2	Junior High School Group	
	B-3	Senior High School Group	
Sumo Robots	C-1	Senior High School Group	III
	C-2	College and University Group	
Lightweight Sumo Robots	D-1	Elementary School Group	III IV
	D-2	Junior High School Group	
	D-3	High School, College, and University Group	
Robots' Soccer Game	T-1	Elementary School Group	I
	T-2	Junior High School Group	
Robots' Dragon Boat Racing	T-7	Junior High School and Elementary School Group	
AITEMI Robot Competition	T-5	Junior High School and Elementary School Group	
T1 Intelligent Car Racing	T-10	Elementary School Group	
	T-11	Junior High School Group	
Robots' Water Soccer Game	T-13	Elementary School Group	

	T-14	Junior High School Group	
Robot Creative Modeling Design Competition Group A (TBOT only)	T-16	Junior High School and Elementary School Group	
Robot Creative Modeling Design Group B Competition (AITEMI only)	T-18	Junior High School and Elementary School Group	
AI Probbie Robot Contest	J-1	Mixed Age Group	IV
2024 KidWind Challenge in Asia	K-1	Junior High School and Elementary School Group (4th-9th grade)	III
2024 Digital Science Competition	L-1	Senior High School Group	III

3.4 Daily Schedule Explanation

11/09(Sat.) Taoyuan Dome	
Schedule Items	Time Slot
Player Entrance	08 : 00 - 09 : 00
Opening Ceremony	09 : 00 - 09 : 15
Competition Schedule for Various Events	09 : 15 – 16 : 00
Calculating Results and Rankings	16 : 00 - 16 : 30
Award Ceremony	16 : 30 - 17 : 30

11/10(Sun.) Taoyuan Dome	
Schedule Items	Time Slot
Player Entrance	08 : 00 - 09 : 00
Competition Schedule for Various Events	09 : 00 - 16 : 00
Calculating Results and Rankings	16 : 00 - 16 : 30
Closing and Award Ceremony	16 : 30 - 18 : 00

※ **The organizer reserves the right to flexibly adjust the process and time based on the actual situation at the event venue.**

- a. 08:00-18:00 is the public activity time. The public can enter and participate (based on the fairness principle of the competition, they are not allowed to enter the competition venues, but can watch from outside the venues). All activities will end at 18:00, and non-staff members should leave the competition area after 18:00.
- b. If the schedule is not completed by 17:00, it will be carried out according to the instructions of the event's chief referee.
- c. The above is a preliminary competition schedule. The specific details of the process, such as check-in time and location, will be announced for each event.
- d. After each event (or after calculating the results), the referee will announce the winning team. Please follow the instructions of the chief referee for the award ceremony, which will take place from 16:30 to 18:00 daily. (Adjustments may be made based on the competition situation, so please pay attention to the organizer's announcements on the competition day.)

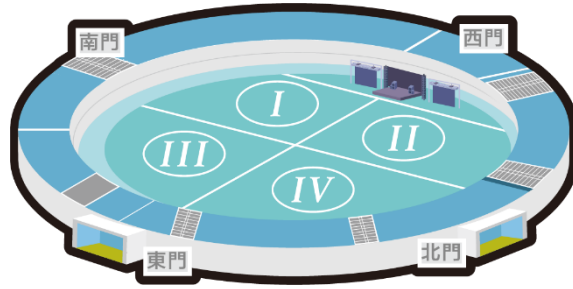
Note 1: If participants are participating in multiple events or multiple days of the competition, they need to pay attention to the schedule arrangement. The organizer will not take responsibility if the delay of one event affects the progress of other events, and participants cannot protest due to this.

Note 2: Please refer to the announcements of the co-organizing units for the detailed schedule of each event.

IV. Competition Venue Information

4.1 Description of the Competition Venue - Taoyuan Dome





4.2 General Description of the Competition Venue

a. Venue Environment

- ① Due to hardware setup, there may be some impact on the competition venue, which is an unchangeable factor. If participants have concerns about the lighting on-site, they should consider participating or adjust their equipment at the venue during the designated time permitted by the organizer or co-organizer.
- ② The organizers will provide a working area for participants. If participants need to charge their devices, please bring portable charging equipment, as there will be no power services available. There may be 220V outlets in the venue, but it is strictly prohibited to connect to power within or outside the competition area to avoid potential hazards and damage to equipment. If any violations occur that result in danger or damage, participants will be responsible for their own actions and any compensation required.
- ③ Multiple teams will be simultaneously competing at the competition venue. Participants should pay attention to the functionality of their equipment's WiFi or Bluetooth connections. If participants have concerns about this matter, they should consider participating in the competition.

b. Venue Regulations

- ① It is prohibited to throw any objects or garbage from outside (higher areas) into the competition venue. If such behavior is found, the organizer has the right to remove the violator from the venue, and they will be prohibited from entering the venue for the duration of the event.
- ② Eating, chewing gum/betel nuts, and drinking beverages are prohibited in all competition areas. However, participants can bring sealed water bottles into the venue. If participants have food or beverage needs, they should go to the designated spectator area (or move to it) and clean up their own garbage to maintain the cleanliness of the venue.