World Educational Robot Contest (WER) 2020 Online World Championship Invitation letter

October 2020

World Educational Robot Contest (WER) is founded and organized by World Educational Robotics Society (WERS), an Olympic Game in educational robot industry and catering to teenagers from 3 to 18, secondary vocational students, higher vocational students and college students. WER and WERS have been co-founded since 2012 by Dr. Yun Weimin and Prof. Jake Mendelssohn. Missions of WER are to train qualities of being successful, enhance scientific literacy and nourish technological talents. More than 500,000 participants in a global scope participate in WER contests on a yearly basis.

Ⅰ. Contest Name

World Educational Robot Contest (WER) 2020 Online World Championship

Ⅱ. Contest Information

Date: 12-13 Dec 2020

III. Location

Online

IV. Host Organization

World Educational Robotics Society

V. Organizer

WER 2020 World Championship Organizing Committee

Shanghai Municipal Commission of Economy and Information

VI. Supporting Agency

CAAI

CAA

CSE

VII. Sponsor

VIII. Projects

A. School

1. Brick Educational Robot Contest(4+3) [Elementary school, Middle school, High school]

2. Mobile Educational Robot Contest [Elementary school, Middle school, High school]

3. Educational Robot Innovation Contest [Elementary school, Middle school, High school]

B. Abilix Home

Brick Educational Robot Contest [Preschool]

C. Secondary Vocational School

Brick Educational Robot Contest [Secondary vocational school]
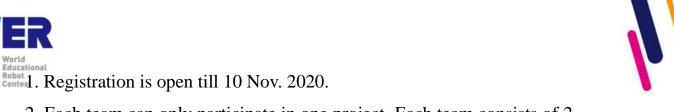
D. Higher Vocational School

Brick Educational Robot Contest [Higher vocational school]

E. College

Brick Educational Robot Contest [College]

IX. Registration Info

1. Registration is open till 10 Nov. 2020.

2. Each team can only participate in one project. Each team consists of 2-3 contestants and 1 teacher.

Please be reminded that all contestants' application from the same country should be submitted by the local WER organizing committee and no individual application is accepted.

Due to COVID-2019 spreading, each country is recommended to use local available venues and do online or offline session contest based on the recommended additional instruction of online contest. The ranking and certificates would be arranged separately.

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For more info, please visit http://www.wergame.org

Looking forward to your participation in
WER 2020 World Championship on 12-13 Dec 2020

World Educational Robotics Society

Additional Instruction of WER 2020 Online Contest

1. Preparation

1.1 Model and Arena

1.1.1 During the COVID-19 period, the total number of people in the arena must strictly comply with the local epidemic prevention regulations and should not exceed team size limit. Take Brick Educational Robot Contest (4+3) as an example, each team should prepare a set of SK201-T2020 model and a set of frame (depending on specific needs) in the arena.

1.2 Arena Equipment Requirements

1.2.1 Please download and register Zoom or other available APPs on mobile phones/computers in advance (2 mobile phones/computers and 1 tripod to fix mobile phones, specific schedule will be announced before the contest).

1.2.2 Placing the 1st mobile phone/computer on the tripod; raising the tripod to 1.8m high; setting a panoramic lens about 1.5m away from the arena map (from the start to the end of the contest), as shown in Figure 1.

Figure 1

1.2.3 Using the 2nd phone/computer for real-time and close-up shooting to assist judges. If there is no judge in the arena, the non-contestants should assist in the filming. Please ensure the videos are clear and usable.

2. Contest Schedule

2.1 Debugging

2.1.1 There are 2 hours used for debugging. The judge will publish the location and direction of the task model before the debugging, and timely release the additional tasks.

2.1.2 Contestants need to stop debugging 5 minutes before the debugging ends, and seal the robots in front of the panoramic lens, as shown in Figure 2.

Figure 2

2.2 At the beginning of the contest, contestants need to bring their robots to the

arena and introduce their schools, team names and team numbers. The judge will check whether the task models are restored to the initial state (close-up shot for the contestants).

2.3 Close-up shots will be taken of the robots for the judge to confirm whether they meet the competition requirements.

2.4 The judge will ask whether the contestants are ready, and the contestants shall answer Yes/No. The contest starts when the judge counts down from 3 to 1.

2.5 If the contest ends early, the contestant shall raise a hand to give a signal to the camera.

2.6 Only one round will be played in each contest project.

2.7 Other relevant matters are subject to the rules on the official website.

3. The End of the Contest
At the end of the contest, the judge will announce the ending after confirming with contestants.

* The organizing committee will update the details of the online contest according to the actual situation if necessary. If you have any questions, please contact wer@wergame.org