29.11.2018

‘VEHICLES CHASING EACH OTHER’ STANDARD COMMITTEE

MEETING REPORT

The last meeting of the committee occurred in this week. The committee decided to make the final decisions for standards. At the very beginning, the committee discussed the surface of the path. The first decision to make was the cover. There were three options for it. Those options may be listed as follows:

1) Color paper

2) Green table sheet

3) Cloth

The committee decided to cover the path with the color paper since it is easy and the other options are not well-known products.

Secondly, choose painting the path instead of covering it. Yet, the type and brand of the paint were not decided. Those decisions were left to be made after some tests.

Finally, the committee decided to test a material called “Foamboard” which is a building construction material used for insulation. This material is going to be covered by a color paper. There were two volunteers, Sadık Akyar and Furkan Coşkun, to make these tests by cutting the material in the desired shape. If they achieve to cut the material in the desired pattern the material selection will be done in this manner.

The second standard to specify was the front and back structure of the vehicles. This topic was going to be discussed because of some sensor interference issues. There were two solutions to avoid interference. One of them was that the teams have to utilize two different types of sensors at the front and back. However, at the racecourse, one of those sensors will be disabled considering the competitor's sensors. The second solution was to put the sensors at different locations. Committee decided to have the second solution because of the cost and complicated design structure of the first offer. The front sensor will be placed at the bottom side of the surface while the back one is placed at top halfplane. Moreover, the committee decided to have some planar materials at the front and back to allow the sensors a better option for detection. This planar materials are going to be made up of 3D printer material and they will be colored different from the path. These front and back planar surfaces are going to be placed at 5 cm height and their width and length are going to be 10cm and 12 cm respectively.