

Fixed Info about Hardware Control Systems

You are expected to make software that controls or cooperates with an electronic or mechanical device. You are free to choose almost anything! You should try to piece together your own original device, from any possible spare parts and tools you have at your disposal. However, it needs to have a software component which will interact with the hardware parts. In this section, your creativity is as important as your mechanical and programming skills. It is highly recommended to be your project beneficial to people, for instance, provide some service which, in turn, and should facilitate people's lives. The only limit is your own imagination!

Registration criteria:

- Documentation of project
- Video presentation of project(upload video on youtube and send link)
- Booklets

**Do not forget to write on which platform and language you wrote your project*

Common criteria:

- Documentation
- Video presentation of project
- Originality/ creativity
- Useful for society
- Stand's design
- Oral presentation
- Demonstration of programming skills

Competition in this category consists of two stages:

Stage 1.

After defense team will get points, which will settle their further involvement in competition. Only those participant (or a team) who have completed the first phase can pass to the second phase. (Participants should have their stands ready before defense day. You are not going to have extra time for that. You should have all the things you need for presentation (ex: computers, chargers, booklets etc.))

Stage 2.

On the second stage participant or a group of participants will have paper based exam related to Hardware Control Systems. On this stage participants can get «Pass», which means that they save first stage's points, or «Fail» - lose first stage's points for a certain amount. You are going to have task which will be alike, but written on different platforms and languages.

**Participants are able to choose convenient platform and programming language if they indicate on registration.*

Evaluation of projects:

These two stages' points will be added and final score will be determined, the decision is going to be made based on the points obtained.

Important rules:

1) *First of all, appeal is required, only then distribution is allowed.*

2) *Projects from the past or from previous years will be not accepted in the old view.*