



„Latvia's 5th Solar Cup 2012“ „Saules kauss V“

Description of Tracks and organization of Competition

May 19, 2012, 9:00 – 16:00

Competition Rules

The project participants are pupils from schools and gymnasiums (5-12 class); if the activists are also students from higher schools and adults, they participate in a separate group/s. One Team consists of 1-3 members, it requires a name, can also be a motto, flag, their own uniforms or other distinguishing characteristics. The team chooses one (two, three) modes, which wants to make, complete an application form and send it to the organizers. Depending on the organizers' financial and technical capabilities, the team may request the assistance of components (solar PV component, engine, propeller) from organizers. All the details sent to participants owns the school and can be used for the next similar events.

Active area of solar panel in solar car/boat must not exceed $125 \pm 15 \text{ cm}^2$, but not limited to solar airplanes. The dimensions of Solar cars must not exceed 30 cm (width, length); for the boats and planes dimensions are not limited.

Vehicles with larger solar panels and geometric dimensions (if the track width will be appropriate) take part in competitions in a separate class.

Radio-controlled solar cars or solar/hydrogen cars will be provided with a separate closed-loop track (coating - asphalt).

After registering, solar-powered device is evaluated by the team of ISSP young scientists to assign the device to an appropriate class. After the solar energy powered device is exhibited on a table at a specified place with the name of team. If the team prepared a summary of their work how solar-powered device was built up, it is presented in poster form and placed in public view.

The competition will be organized by vehicle classes and disciplines. Depending on the generous gifts from event sponsors, awarded will be 1st-3rd place winners in all disciplines and classes.

Participation in the event is free of charge, the organizer Institute of Solid State Physics, University of Latvia, ensure all participants and teachers with lunch at cafeteria in Institute.