

Drone race rules

I. Definitions

1. Intelligent Autonomous Vehicle – electro-mechanical construction capable of moving and performing actions autonomously
2. Competitor – member of a registered team
3. Organizer – Department of Robotics and Decision Systems, Faculty of Electronics, Telecommunications and Informatics at the Gdańsk University of Technology
4. Construction – vehicle qualified for the competition.

II. Goal

1. Main goal of the competition is to promote the use of unmanned aerial vehicles in sport.

III. Requirements

1. Registration for the competition may take place via the organizer's website: <https://eti.pg.edu.pl/safeidea/iav-cup-2018/en>
2. Qualified teams will receive confirmation from the organizer by email
3. In the absence of a team member, substitution is possible provided that the team notifies the organizer at least 3 days before the event
4. The team can consist of up to 5 members
5. It is allowed to use cameras on drone (FPV, preview screen).

IV. Competition schedule

1. The task is to fly the race track in the shortest possible time
2. Each team will have a maximum of 3 minutes (in the air) for a test flight and a maximum of 10 minutes for a graded flight
3. During the graded flight, competitors may perform 3 laps, and only the best lap time will be counted as the final score
4. There may be obstacles on the route, which must be avoided, and marked gates through which the drone must pass
5. For each missed gate the total lap time will be increased by 15 seconds.

V. Prizes

1. Top three teams will receive an award.

VI. Final provisions

1. The organizer is allowed to change the rules before the competition
2. Matters not mentioned in these regulations will be resolved by the main referee
3. It is not possible to appeal from the decision of the main referee
4. The organizer is not responsible for damage caused to vehicles during the competition
5. In case of bad weather conditions, the organizer may change the place and/or time of the competition
6. A team that fails to appear within the prescribed period will be disqualified.