

FORMULA
STUDENT **EAST**

GENERAL RULES

WHO IS READY?

VERSION 1.0

RELEASE DATE: 3RD OF APRIL 2019

FURTHER DETAILS AT FSEAST.EU

#FSEAST #MAKESOMENOISE

G1. INTRODUCTION

Formula Student East® (hereafter “FS East®”) is a FSAE style Formula Student engineering competition held in Hungary, organised by the Association of Automotive Engineers (formerly Engineers for the Automotive Higher Education Association) since 2016. Formula Student East will allow to participate vehicles with conventional internal combustion engine (gasoline or ethanol fuelled) and electric powertrain. Furthermore Formula Student East welcomes the participation of driverless vehicles (both with internal combustion or electric powertrain).

The three categories will be evaluated separately:

- Internal Combustion Vehicles (hereafter CV)
- Electric Vehicles (hereafter EV)
- Driverless Vehicles (hereafter DV)

This document contains the FS East General rules.

These specific rules are additions to the Formula Student Rules 2019 document (hereafter “Rules 201”) published by [Formula Student Germany](#). In case of a conflict between the Rules 2019 and the 2019 FS East rules, the 2019 FS East rules supersede the Rules 2019.

G2. GENERAL

G2.1 COMPETITION DATES AND PLACE

FS East 2019 will be held between 17th and 21st July, 2019 at the Zala ZONE Automotive Proving Ground in Zalaegerszeg, Hungary:



IMPORTANT NOTE ON THE SCRUTINEERING ORDER: REGISTRATION QUIZ RESULTS WILL SERVE AS SCRUTINEERING ORDER, BUT ON THE FIRST DAY OF THE EVENT (17TH OF JULY) DV TEAMS WILL HAVE PRIORITY.

G2.2 FS EAST 2019 RULES

The FS East competition is compliant with the Rules 2019 document:

https://www.formulastudent.de/fileadmin/user_upload/all/2019/rules/FS-Rules_2019_V1.1.pdf

The FS East rules presented in this and the further rule documents include specific rule changes and additions to the Rules 2019. In case of a conflict between the Rules 2019 and the 2019 FS East rules, the 2019 FS East rules supersede the Rules 2019.

Additionally, all guidelines and clarifications posted in the 'Rules and Important Documents' section on the FS East website for the current season are considered as official documents and therefore are applicable to the teams competing at FS East 2019.

G2.3 RULES QUESTIONS

Any rule clarification questions or rule ambiguities concerning the rules for FS East will be resolved by the FS East Rules Committee. The Rules Committee will answer both FS East Rules 2019 and Rules 2019 questions, but the decisions and clarifications given are only valid for the FS East competition and only for the present competition year.

Rules questions should be submitted to rules@fseast.eu. Do not ask about more than one rule per mail.

G2.4 OFFICIAL LANGUAGE

The FS East official language is English.

G2.5 OFFICIAL TIME

The FS East official time:

From	Till	Time
28 October 2018	30 March 2019	Central European Time (CET)
31 March 2019	26 October 2019	Central European Summer Time (CEST)

For all deadlines and decisions only the FS East server time is authoritative.

1 day equals 24 hours. One day later is 24 hours after the defined deadline time or reply time of an official.

To convert CET or CEST to your local time you can use following website: www.timeanddate.com/worldclock/converter.html

G2.6 FS EAST REGISTRATION

G2.6.1 FS EAST REGISTRATION RULES

FS East Registration Rules are available at the Rules and Important Documents section of the FS East homepage.

G2.6.2 FS EAST REGISTRATION REQUIRED CONTACT INFORMATION

During the team registration process the team has to add all the necessary information: team data, university data, billing information and car data.

All participants must register themselves at www.login.fseast.eu in order to participate at the competition. Team captains have to confirm the team members after logging in to the team's account. This registration process substitutes the submission of a TMD document.

G2.6.3 INDEPENDENT TEAMS

In the case that a university takes part in FS East 2019 with two or three cars (IC, EV, DV), then these teams may not share team members in any static or dynamic events.

G2.6.4 SOCIETY MEMBERSHIP

Every participating team member must be a member of one of the FISITA engineering societies:

www.fisita.com/membership/members

G2.6.5 STUDENT STATUS

Students seeking a PhD degree/PhD Students or equivalent are not allowed to participate at FS East as a team member.

G2.6.6 FACULTY ADVISOR

FS East recommends that all participating teams have a Faculty Advisor present with them at the competition. In the event that no Faculty Advisor is present during the competition, the Team Captain will take over all responsibilities of the Faculty Advisor.

Any Faculty Advisor being registered as such must be a valid member of the faculty he/she is representing and can not be a student.

G2.7 EVENT HANDBOOK

The FS East event handbook may contain special event procedures and restrictions for example regarding working on the car etc. It has to be read and understood by all event participants.

G2.8 UNSPORTSMANLIKE CONDUCT

Unsportsmanlike conduct, intentional deception of a judge or a scrutineer, or dangerous irresponsible behavior will be reason for instantaneous disqualification.

G2.9 TESTING AND WORK SAFETY

FS East is not responsible for the use of the cars other than at the event in Zalaegerszeg.

Furthermore, the organizers of the FS East dissociate themselves from all activities of the teams besides FS East and associated events. Nevertheless, all teams are advised to follow common practices and common sense when working on the vehicle and when operating the vehicle, also before and after the FS East event.

Cars designed and manufactured for the participation of Formula Student events should not participate in events not suitable for Formula Student vehicles like hill climbs, drag races or similar events. Teams should never use their cars for wheel-to-wheel races.

The following listed requirements should at least be met to qualify as a safe testing/driving environment, but does not mean that following these guidelines guarantees safety under all circumstances.

- Driver wearing full protection gear incl. arm restraints
- Working TSAL, IMD, BMS/AMS, Torque Encoder plausibility check, torque/brake encoder plausibility check, brake system plausibility device and ETC plausibility check if applicable.
- Rules compliant frame/monocoque
- Mounted impact attenuator
- No wheel to wheel racing
- No other passenger cars, trucks etc. being driven on the same premise at the same time, unless the area is clearly separated
- No driving under low visibility conditions
- No driving at speeds above typical event speeds, see Part D of the FS Rules for details
- No driving in areas where crashing into obstacles at the height of the driver's head is possible, such that parts of the vehicle may pass below an obstacle, but the driver's head can be trapped between the obstacle and the main roll hoop for example.

FS East reserves the right to disqualify a registered team in case of unsafe driving behavior, especially if the reputation of Formula Student organizers, sponsors and other teams is compromised. The decision to remove a team from the FS East competition has to be made unanimously by the FS East rules committee and will be made public on the FS East website.

NOTE:

This rule has not been established to annoy you, but to ensure that we experience a safe and accident-free Formula Student season.

G2.10 CHARGING CONNECTOR AND MAX. POWER [EV ONLY]

Only 32 A three phase (5 pin) sockets, and 16 A single phase versions will be available.

G3. RULE CATEGORY CLARIFICATION

[EV Only] rules are applied to vehicles with electrical drivetrain, [CV Only] rules are applied to vehicles with internal combustion engine.

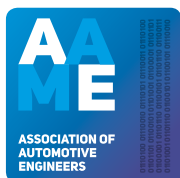
[DV Only] rules are applied to the driverless vehicles, regardless of the drivetrain, however they are still obligated by the drivetrain specific rules.

FORMULA STUDENT EAST



CHANGELOG

Version	Date	Modification	Page
1.0.0	3rd of April 2019	Initial release	-



Részletek vagy az egész dokumentum felhasználása csakis a Járműmérnökök Egyesülete előzetes írásos engedélyével lehetséges.
Copyright Járműmérnökök Egyesülete 2019.

No part of this document or the whole publication may be used without the prior written permission of Association of Automotive Engineers.
Copyright Association of Automotive Engineers 2019.