

FORMULA
STUDENT EAST

FOR FUTURE VOLUNTEERS

IF YOU ARE
INTERESTED
TO JOIN OUR TEAM

AUG
8<>12
2022

<INFORMATION PACKAGE>

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RELEASE

VERSION 1.0

RELEASE DATE: 20TH OF MARCH 2022

FURTHER DETAILS AT [FSEAST.EU](https://fseast.eu)

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THE PARTICIPATING TEAMS OF FORMULA STUDENT EAST 2021

JOIN US AS A VOLUNTEER
AND BE A PART OF FORMULA
STUDENT EAST 2022!

REGISTER AT
[LOGIN.FSEAST.EU](https://login.fseast.eu)

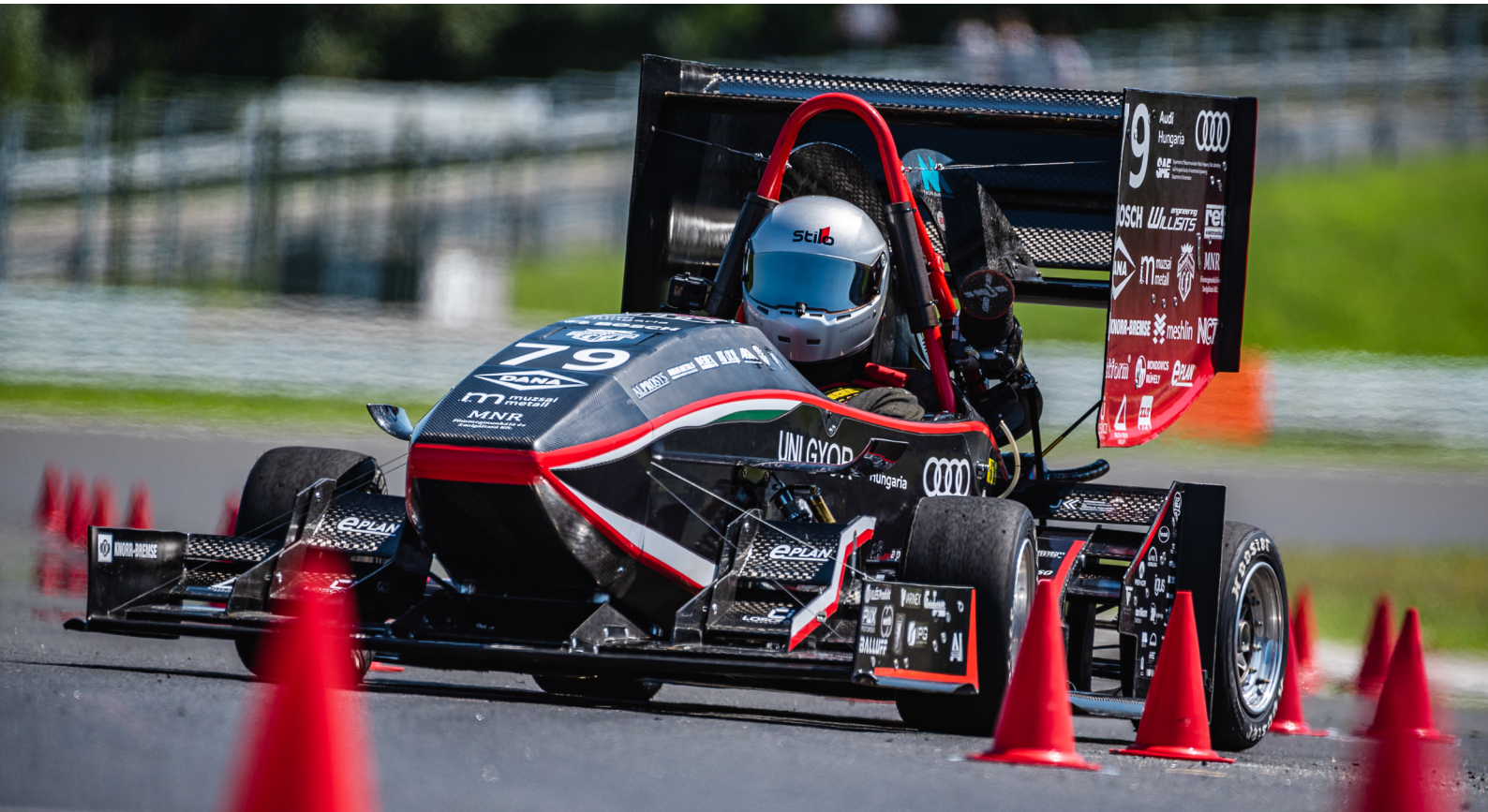
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2022

VOLUNTEER INFORMATION

HUNGARORING, HUNGARY



HELLO,

YOU WILL FIND SOME INFORMATION ABOUT ATTENDING FORMULA STUDENT EAST 2022 BELOW.
THE DOCUMENT IS ONLINE FOR ONE SIMPLE REASON:
IF YOU HAVE QUESTIONS/COMMENTS, WE CAN UPDATE AND IMPROVE IT FOR THE FUTURE.
PLEASE USE IT CONFIDENTIALLY.

GET FAMILIAR:

- The website of Formula Student East: <http://fseast.eu>
- The gallery of the 2021 event: <https://fseast.eu/gallery-2021>
- [The Story](#) behind the Formula Student East
- A summary of this year's registrations: <https://fseast.eu/registration-2022>

IF YOU HAVE ANY QUESTIONS,
FEEL FREE TO CONTACT US AT
HELLO@FSEAST.EU

BASIC FORMULA STUDENT INFO

WHAT IS FORMULA STUDENT?

A short and well explained answer can be read on the webpage of BME Formula Racing Team, so it is convenient to link it here:

frt.bme.hu/?id=hu/tudasbazis

WHICH ARE THE HUNGARIAN TEAMS?

- Győr - Arrabona Racing Team
- Budapest - BME Formula Racing Team
- Budapest - BME Motorsport
- Kecskemét - KEFO Motorsport
- Miskolc - Formula Racing Miskolc
- Budapest - OUR Team
- Debrecen - Cívís Racing Team

HOW MANY TEAMS ARE ATTENDING FS EAST IN 2022?

The announced 84 places were taken promptly, with a huge oversubscription:

fseast.eu/registration-2022

(You should visit the Facebook pages of the teams - they have great informative sites, which are already filled with a lot of information and data about the racecars they will bring to us.)

WHICH ARE THE RACES OUTSIDE OF HUNGARY?

FS Germany, FS UK, FS Italy, FS Austria, FS Spain, FS Czech, FS Russia, FS Switzerland, FS Andorra, FS Alpe Adria, USA several competitions, Japan, Australia, China,

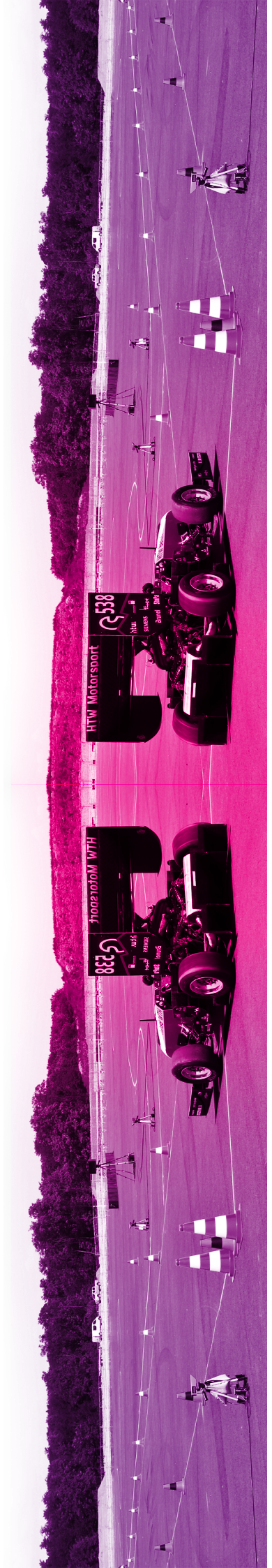
HOW DOES A RACE LOOK LIKE?

- The teams register at the beginning of the year.
- Between April and June the teams submit their mandatory documents, which are a proving, that their racecar is designed and built according to the rules and safety regulations.
- In the summer time the winner is chosen during a 5 day long competition. The three main stages of the event are scrutineering, design judging, racing on the track.

WHERE CAN THE TEAMS FIND THE RULES?

- Every race has its own rules, which contain some additional regulations for the teams. The rule of FS East is updated annually, and it is uploaded to the webpage. (You can also find the rules of the previous years at the same place.)
- The full rulebook itself is more complex. In 2017 there was a major change, the European races developed a brand new rulebook. (This gives more space for engineering creativity than the original SAE -Society of Automotive Engineers- rulebook.)
- This rulebook can be found here:
formulastudent.de/fileadmin/user_upload/all/2022/rules/FS-Rules_2022_V1.0.pdf

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ADDITIONAL FS EAST INFO (FAQ)

WHERE WILL BE THE RACE LOCATED?

Formula Student East will be organised at the Hungarian Formula-1 Grand Prix track, at the famous Hungaroring, just one week after the 37th Hungaroring Grand Prix.

WHAT IS GUARANTEED FOR THE VOLUNTEERS BY THE ORGANIZERS?

Every organizer receives at least 2 FS East T-shirts and towels for the 6 days, but since the tasks define the color of the T-shirts, and some of the organizers have multiple tasks it is possible that somebody will receive multiple colors.

Food and drinks, or a coupon for them is also guaranteed. The catering should be comfortably enough for everyone at the racesite.

WHERE WILL I SLEEP? CAMPING

The judges will be accommodated in hotels and hostels at Budapest. For the other volunteers we will try to guarantee the most ideal housing. Volunteers can sleep in a huge camping, together with the teams and the organisers, which is really Awesome!

You can also sleep in a student hostel.

HOW CAN I BECOME A VOLUNTEER?

The best way to apply is by filling out the questionnaire on the webpage:

<https://login.fseast.eu/register>

IF YOU HAVE ANY QUESTIONS,
FEEL FREE TO CONTACT US AT
HELLO@FSEAST.EU

IN WHICH KEY AREAS ARE YOU LOOKING FOR VOLUNTEERS IN PARTICULAR?

- Track Marshal
- Scrutineer Leader (electrical, mechanical, autonomous)
- Scrutineer (electrical, mechanical, autonomous)
- Event Control Assistant
- Ticket Center Assistant
- Event Support Member
- Judge (Design/Cost/Business)

HOW GOOD MY ENGLISH SHOULD BE?

- **Track Marshal** - not necessary, some basic useful sentences should be enough
- **Scrutineer Leader** - intermediate level is necessary, main spokesman of the team and with basic knowledge, only basic specification could be checked
- **Scrutineer** - intermediate level would be useful with basic knowledge, only basic specification could be checked
- **Event Control** - it is mostly about communication, intermediate level is mandatory, being fluent is preferred
- **Event Support** - it can be handled without foreign languages, but it is hard to avoid talking to someone in a foreign language during an international event like this:)
- **Judge (Design/Cost/Business)** - strong intermediate level is expected, since it must be understood, what the teams are explaining about their racecar and specialties

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HOW CAN I BECOME AN ORGANIZER?

REGISTER AT
LOGIN.FSEAST.EU

THIS IS THE WAY.

WHAT WILL THE EXACT TASK BE?

TRACK MARSHAL

- In this year, similarly to 2021, we will organise a preparation race called FS Easter in June, where you can learn everything what a Track Marshal needs.
- You should visit the theoretical online training before the race. In the first days of the event, we will organise you a practical training as well, where you can sunbath while you learn how to handle “smoking” and “burning” cars, flag signals, proper movement and important safety procedures on a proper racetrack.
- Arriving to the racetrack Sunday evening, where we will prepare everything for the race.
- Sunday evening you can prepare for the upcoming days with your preferred beverage.
- Teams are also arriving on Sunday to the Race Track. On Monday and Tuesday teams are supposed to go through scrutineering. The track marshals are checking racetrack specific items, which can not be checked by the scrutineers in the boxes. These are mostly the tests which require a running engine, such as brake test, noise test, rain test for electric cars. Well, actually for the lateral G simulation tilt test you do not need a running engine....) :
- The group leaders will show you everything (all of these should not be new since you already learned it during the theoretical training) on the first days, in order to be and feel confident.
- During Monday and Tuesday fever track marshals are needed, so if you are interested in scrutineering, you can help the scrutineers with the checklists in the team boxes. If you want to do this you need to know the relevant rules even if you are woken up in the middle of the night, but we will discuss this below...
- The rivalry on the racetrack will start on Wednesday: 8 shape track and acceleration in the morning, time qualification in the afternoon. (Certainly to re-organize the racetrack is the job of track marshal team.)
- Thursday and Friday are challenging days for the teams - on these days the 22 km long endurance race will take place with 4-5 racecars simultaneously on the track.
- Driverless teams are also competing from Wednesday to Friday.
- Friday afternoon is the time to clear the racetrack.
- Friday evening you should not miss the award ceremony, where all the organizers are invited to the podium, where we have the opportunity to say thanks to the teams for the fun times spent together. You will have the chance to enjoy some free time on all evenings, but on Friday there are fewer limits. You are not weak, are you?! :).

THERE ARE ALSO SOME STUFF TO DO TO MAKE THE TESTRACK CLEAR AGAIN,
SO ON FRIDAY, HELPING HANDS ARE WELCOME!
(FREE ICE CREAMS ARE PROVIDED ALSO)

IF YOU HAVE ANY QUESTIONS,
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HELLO@FSEAST.EU

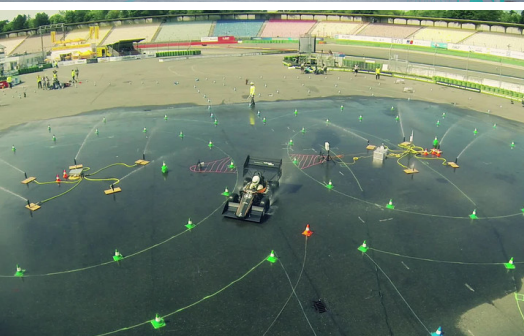
ARRIVING TO THE RACETRACK ON SUNDAY OR MONDAY, PREPARE EVERYTHING FOR THE RACE



YOU CAN PREPARE FOR THE UPCOMING DAYS WITH YOUR PREFERRED BEVERAGE



TRACK MARSHALS CHECKING SPECIFIC ITEMS, WHICH CAN NOT BE CHECKED IN THE BOXES



THE RIVALRY ON THE RACETRACK WILL START ON WEDNESDAY: 8 SHAPE TRACK AKA SKID PAD

ON WEDNESDAY AFTERNOON, THERE IS ACCELERATION



DURING THE 22KM ENDURANCE EVENT MURPHY IS ALSO WORKING SO YOU HAVE TO BE PREPARED

SCRUTINEER LEADER

- Arriving to the racetrack on Sunday afternoon.
- Based on your competencies you can either be mechanical or electrical (HV Accumulator, low voltage system, high voltage system) or autonomous team leader.
- Your responsibility will be to coordinate a small (2-3 people) scrutineer team.
- You will lead the scrutineering process, distribute the tasks within your team.
- For this position we are looking for people with former Formula Student experience, preferably scrutineering experience.
- If you are unsure in a decision during the scrutineering process, you can ask for help from the respective executive leader (Mechanical Leader, Electrical Leader, Autonomous Leader).
- Scrutineering training will be held at Formula Student Easter and on Sunday afternoon at the campsite.
- The scrutineering will start on Monday and the first two-three days are the most intensive. Autonomous scrutineering starts on Tuesday.
- We are looking for approximately: 10 mechanical scrutineer leaders, 15 electrical scrutineer leaders and 3 autonomous scrutineer team leaders.

YOU ARE NOT WEAK, ARE YOU?! :)



THERE WILL BE A NEED FOR LOTS OF SCRUTINEERS ON MONDAY AND TUESDAY SINCE WE ARE FOR THE TEAMS, AND WE WOULD LIKE TO PUSH THEM THROUGH SCRUTINEERING AS FAST AS POSSIBLE IF THEY CORRESPOND

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SCRUTINEER

- Arriving to the racetrack on Sunday afternoon.
- Based on your competencies you will be assigned to a small team of either mechanical or electrical or autonomous scrutineers.
- Your responsibility will be to examine racecars whether they are compliant with the rules - or not - and to help the scrutineer team leader.
- If you are unsure in a decision you can ask for help from your team leader, they will have the final word in the team.
- It is preferred to have some Formula Student experience or strong technological background.
- Scrutineering training will be held at Formula Student Easter and on Sunday afternoon at the campsite.
- The scrutineering will start on Monday and the first two-three days are the most intensive.
- Autonomous scrutineering starts on Tuesday.
- We are looking for approximately: 20 mechanical scrutineers, 30 electrical scrutineers and 6 autonomous scrutineers.

CAMPSITE EVENINGS... YOU KNOW IT!



DURING BATTERY CHECK YOU MUST ALWAYS FOCUS ON SAFETY



AN ELECTRIC SCRUTINEER HAS TO SUPERVISE THE RAIN TEST

EVENT CONTROL ASSISTANT

- Arriving to the racetrack on Monday, where we will prepare everything for the race.
- You will have to answer questions of the teams at the information desk during all 5 days. If you accept this role for some days, it is a great help, but it would work flawlessly if there could be some regular staff.
- Some documents are submitted by the teams here, we also give them devices at the desk, and print the preliminary results. Without event control, the event is dead :)

CAMPSITE EVENINGS... PARTY, PARTY, PARTY!

TICKET CENTER ASSISTANT

- Arriving to the racetrack on Monday, where you will have to welcome and late-register team members and volunteers.
- Teams will submit some documents regarding the registration.
- As a Ticket Center Assistant you will have to print registered tickets and hand out armbands.
- You will also have to register guests and members of the press.
- If you accept this role for some days, it is a great help, but it would work flawlessly if there could be some regular staff.

MONDAY EVENING YOU SHOULD NOT MISS THE ORGANISERS'S DINNER...
THE REST IS HISTORY.

IF YOU HAVE ANY QUESTIONS,
FEEL FREE TO CONTACT US AT
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EVENT SUPPORT MEMBER

- Arriving Sunday evening to the campsite, and from Monday to the racetrack, where we will prepare everything for the race.
- Only a handful of people are needed for this important role, where you can learn a lot.
- We can call this role “the fixer” or “the handyman”.
 - You need something from the city? He/she will get it.
 - Track marshals are thirsty? Gets water for everybody. Some of them have not had the chance to have breakfast? He/she will bring them sandwiches.
 - Somebody cannot fulfill his/her role for a certain time? He/she will jump in as a deputy as long as necessary.
 - Somebody arrived who should get to know the event? Not a problem for him/her! :)
 - Printouts are needed for the control tower? He/she helps.



AS AN EVENT CONTROL ASSISTANT YOU WILL HAVE TO ANSWER QUESTIONS OF THE TEAMS AT THE INFORMATION DESK.

CAMPSITE EVENINGS... TRUTH HAS BEEN SAID!

WHAT IS THE ROLE OF THE JUDGES?

A JUDGE IS EITHER AN EXPERIENCED FORMULA STUDENT ALUMNA/ALUMNUS, OR A PRACTICING PROFESSIONAL, WHO COMES FROM THE HIGHER EDUCATION OR FROM THE INDUSTRY. THIS MEANS, THAT THE PROFESSIONAL IS NOT NECESSARILY AN ENGINEER, BUT A MANAGER, FINANCIAL EXPERT ETC.

The main task of the judges on the event is to listen to the presentation of the teams or to have a discussion with the team members in their chosen discipline and evaluate their performance based on the itineraries given by the rules of the Formula Student and by the FS East. Naturally, the organizers of the FS East will do their best to help to prepare the judges properly to the corresponding events.

Since the Static Events are divided into three major events, the participants can apply to become a judge one of the following roles:

- Engineering Design Event Judge
- Cost and Manufacturing Event Judge
- Business Plan Presentation Event Judge

Note that, in the case of the Engineering Design Event Judges, the topics are split into more roles yet.

Detailed description of all the judging duties and functions can be found in the following.

Most of the Judging events are held on Monday and Tuesday.

You can find more details about judging in the separate Info for Judges document.

If you have further questions about being a judge at the FS East 2022, please feel free to contact us hello@fseast.eu.

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GO FOR IT
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SEE YOU AT FS
EAST 2022,
**WE WILL BE
THERE!**

CHANGELOG

Version	Date	Modification	Page
1.0	20th of March 2022	Initial release	-