

Aerodynamics



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Thermomanagement Car-PC Cooling (CAD, CFD, 1D-Simulation)

Job description

Due to a rule change for the coming year, we are required to build a race car that can participate in both the autonomous and electrical disciplines of the Formula Student Events.

One challenge is to find an optimal concept for the integration of electrical components from the autonomous vehicle into the cooling circuit of an existing vehicle.

For this task we are looking for someone who is interested in the simulative design of a cooling circuit.

What will be your tasks?

- Design and conception of a cooling system for electrical components
- Collaboration in group-wide tasks
- Participation in group and team meetings

What are our requirements?

- Preferably studying Mechanical Engineering, Physics, CES
- Good understanding of thermodynamics and heat transfer
- Ideally previous knowledge of CAD, CFD Simulation and 1D-simulation
- Willingness and dedication to the project
- Fluent knowledge of English

If you are interested, please fill out the application form on our homepage.
We will give you feedback on your submission as soon as possible.