Join Space Team Aachen

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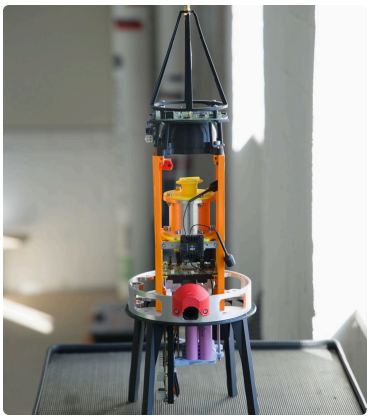
Test Bench Electronics Engineer

IKARUS | Avionics Team







About Space Team Aachen

The Space Team Aachen is a space science association founded by students of the Aachen universities. Our team is made up of ambitious students from a variety of disciplines who share a fascination with space exploration. Our team designs, builds and flies experimental rockets and scientific experiments. We set high, challenging goals in order to reach our best performance. We believe in equality and foster an open culture of shared knowledge.

Your responsibilities

The avionics of IKARUS has to talk to everything: valves, igniters, sensors and the ground station. Before anything flies, our engine has to prove itself in hot-fire tests – and you build the electronics that control and measure them, together with the propulsion team.

Your tasks may include:

- Interfacing the avionics with propulsion, recovery and ground systems
- Designing and building the electronics of our engine test bench
- Setting up measurement chains: pressure transducers, load cells, thermocouples and data acquisition
- Preparing and running hot-fire and cold-flow tests
- Evaluating test data and making the setup reliable and safe

Our requirements

- Highly motivated, proactive, and eager to learn
- Interest in measurement technology and electronics
- Available for at least two days per week
- Able to work independently and in a team
- Fluent in German and English (written and spoken)
- Preferred: experience with sensors, signal conditioning, DAQ systems or lab work

What we offer

- Be part of an association with over 200 active members working on some of the largest student aerospace projects in Europe
- Be on site when the engine fires
- Work at the interface of avionics and propulsion
- Hands-on experience with real measurement and control hardware
- Participate in the biggest rocketry competition in Europe and have fun!

Interested?

Send your CV (and a short motivation) to
application@sta.rwth-aachen.de