

# Join Space Team Aachen

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## Structural Engineer – Adhesives

### Project STAHR - Team STRUCTURES

#### About Space Team Aachen

The Space Team Aachen is a space science association founded by students of the Aachen universities. Our team is formed of ambitious students from a variety of fields who share the fascination for 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 stand for the exchange of our aggregated knowledge.

#### Your responsibilities

As a Structural Engineer you will be part of the STAHR's STRUCTURES Team. There, you will be responsible for the simulation, assembly planning and testing of the adhesive bonding connecting the different segments of our rocket. As a combination of own research and support from partner institutes, you will be able to validate this critical interface. We give you the opportunity to apply your knowledge from your studies to a topic that is becoming increasingly important for aerospace – adhesive bonding – and integrate it in our supersonic hybrid rocket that must withstand the same principal load cases also found in orbital rockets and satellites while aiming to reach 10 km in altitude as part of the DLR STERN program.

Don't hesitate to ask us for further information or to send us your application!

Begin: ASAP

#### Our requirements

- High motivation & reliability
- Fascination for space engineering
- Able to work alone and in a team
- Good communication skills
- Knowledge of English and/or German
- Highly systematic way of working
- Basic knowledge of elastostatics
- Experience in FEA is a plus

#### What do we offer

- Insights on the development of a rocket project
- Be a part of the highly-motivated team
- Hands-on work on spaceflight hardware
- Contact with experts from several institutes, e.g. for testing or manufacturing capacities as well as technical expertise
- Extensive support
- See your work actually fly at supersonic speed up to 10 km

#### Interested?

Send your CV and a motivational letter to [info@sta.rwth-aachen.de](mailto:info@sta.rwth-aachen.de)

