

TELEMETRY TEAM

mechanical / electrical engineering, management & technology students

Our student initiative is based at ETH Zürich and inspires students across Switzerland in hands-on space engineering challenges through collaboration with academia and industry. Our main project is the participation at the [Spaceport America Cup](#).

Following our [Project TELL](#), ARIS participates at the Spaceport America Cup 2019 with a rocket using a commercial solid motor flying to 10'000 ft. For this, an interdisciplinary core team of 20 students is formed that builds the rocket and participates at the competition in the US.

The responsibility of the **Telemetry Team** consists of the implementation of the communication systems to provide a data link and information from the rocket under operational conditions to a ground station. This includes:

- Developing an independent communication module (antenna, power supply etc.) by developing or applying hardware, software, communication protocols and the mechanical integration
- Designing and setting up a ground station to display live data during launch operations and flight during the launch
- Coordinating the on-board electronics and the corresponding software with other sub-teams to ensure communication between all subsystems

We recruit an interdisciplinary core team that is motivated and capable to accomplish the tasks above. From our members, we expect the following attitude:

- Fail, get up and learn from it
- **You don't have to be a specialist** but you are willing to become one
- Join the team and grow as a unit
- Be proactive and able to take responsibility

We expect you to spend 2-3 days a week and be able to join team meetings and workshops in Zurich. Since we are a student association we don't hire any interns.

Send us a short description in what you're interested in and your CV (with picture) to recruiting@aris-space.ch

