

Master Thesis - Internship



Performance and safety of small launch systems from Norway

Background

Andoya Space Center (ASC) is looking for a student or a young graduate interested in working in the field of flight dynamics for satellite launch systems.

ASC plans to provide orbital launch capability from the Norwegian territory by 2020. ASTOS software is being used to execute the typical analyses required for launch services. ASC is offering a study grant at Astos Solutions, located in Stuttgart, Germany. At the end of the internship or after the degree, there is the possibility for a year contract extension.

Work Description

The thesis/internship will address several practical aspects regarding the evaluation of a small launch system, mostly:

- Trajectories optimization.
- Ground station coverage.
- Propulsion sub-systems and launcher system modelling.
- Explosions simulations to evaluate damage to structures and injury to people caused by explosions.

Your Qualifications:

- A student or young graduate with focus on space systems and flight dynamics.
- General interest to work in the field of trajectory optimization for launchers.
- Language: good command of oral and written English, Norwegian is a plus.

Conditions

- Begin: between July and October 2016.
- Working place: Astos Solutions, Stuttgart, Germany.
- Duration: 3 months.
- Finances: financial support will be provided.

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