



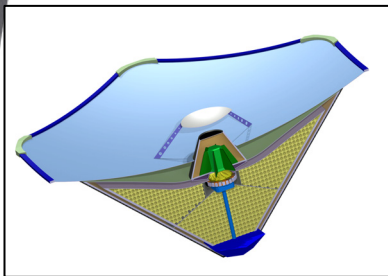
Are you full of ideas?

Would you like to work in a highly motivated & young team? Apply for an internship within the Advanced Study Group!

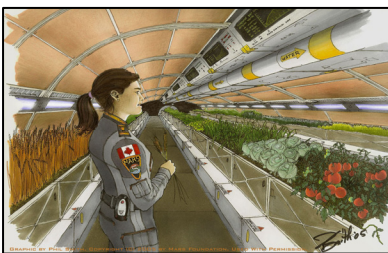
The Bremen site of the German Aerospace Center (DLR) has been the home to the Institute of Space Systems since 2007. The institute's work includes analysing and evaluating complex spaceflight systems for their technological, economical and socio-political viability. The DLR team develops concepts for innovative space missions with high visibility at national and international level.

The Advanced Study Group (ASG) is a newly created 'Think Tank' within DLR Bremen, which encompasses the creation, evaluation and development of advanced and visionary space technology concepts. Examples are organic self organizing satellite structures, decentralized planetary habitat systems, innovative mass free propulsion systems, planetary in-situ production facilities or micro- & nano space applications. The ASG works within the institute's own Concurrent Engineering Facility (CEF), where experts can perform Phase-A studies with the support of latest multimedia visualization technologies.

For this Think Tank group we are looking for motivated students, studying in a range of fields like: Aerospace engineering, but also Biology, Agriculture, Physics, Chemistry, Economics, Psychology, Architecture, Technology and Innovation Management. An important requirement is that you are able to think 'out of the box' and that you have a fascination for the space sector. Perhaps you have already developed a space concept yourself? In order to build up the Think Tank we need different personalities. See below if you can fit in one of them:



Solar-dynamic Power-MEMS



Advanced Plant Production Facility



Railgun Launcher System

Visualization

Good skills in CATIA as well as a good understanding in design and accommodation principles are needed for the visualization of the studied concepts. A fast transfer from idea generation to first system visualization is important for the ASG.

Systems Engineering

The focus of Systems Engineering is to scope the overall concept and to structure this system in manageable subsystems. By focussing on the system requirements as a whole (Operation, Cost, Timeline, Performance, Support, Testing, Production and Recycling), Systems Engineering combines the different engineering disciplines into one structured process based on team-work.

Expert in the field of interest

Studies are driven by creative ideas and good imaginativeness. The productivity of the project's process is mainly influenced by creative heads. Finding creative solutions for a given problem and the ability to combine different ideas to one concept are the preferences for this position.

General Requirements for the Student:

- Undergraduate and postgraduate studies in e.g. engineering, aerospace, business sciences, physics or life sciences
- Good skills in MS Office (Excel, PowerPoint, Word),
- Self-contained working and literature research on complex topics
- Very good English skills, oral and written
- Very good skills in team work and communication, as well as the capability to pursue scientific work independently and result-oriented

Furthermore, the possibility exists to perform a Bachelor- or Master thesis after accomplishment of the internship.

Please send applications with curriculum vitae to the contact below. IMPORTANT: refer to position **SARA-005** in your application!



Concurrent Engineering Facility (CEF)

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