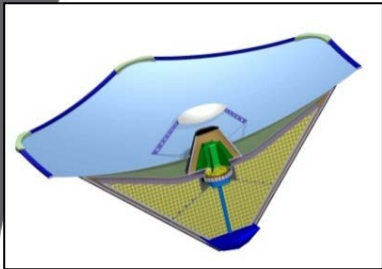


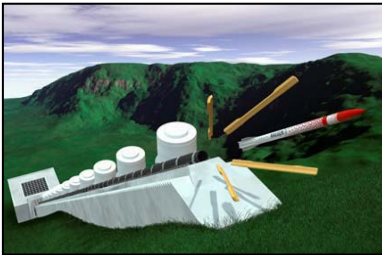


**Do you want to help design the space systems of the future?  
Then sign up for an internship position at the DLR's *Advanced Study Group!***

The **Advanced Study Group (ASG)** is a newly created 'Think Tank' within German Aerospace Center (DLR) – Institute of Space Systems (Bremen, Germany), 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 propellantless 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 space technologies. 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:



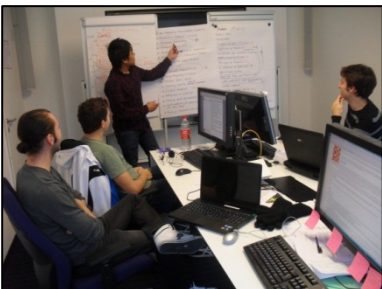
Solar-dynamic Power-MEMS as an ASG example



Railgun Launcher System as an ASG example



Institute of Space Systems, Bremen (Germany)



Advanced Study Group (Winter Team)



Concurrent Engineering Facility (CEF) @ DLR Bremen

**Visualization**

Good skills in CATIA (or another 3D design tool) as well as a good understanding in design and accommodation principles would be an advantage 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), 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:**

- Undergoing Bachelor or Master/Diploma 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

Interested? Here are the application details:

**Application Due Date:** 15<sup>th</sup> of January, 2012  
**Duration:** 6 months  
**Start:** 1<sup>st</sup> of April 2012  
**Location:** DLR Bremen (Germany)  
**Student Status:** You must be student for applying

Please send your application with cover letter, curriculum vitae, transcript from your university, to the contact below. **IMPORTANT:** refer to position **SARA-018** in your application!

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 Fax: +49 421 24420 1150

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