

# STEM WORKSHOPS IN GERMAN

MONDAY  
28 OCTOBER 2019  
9.30 AM – 2.00 PM



Dear Students,

How do we get rid of space debris that orbits the earth?

How can we build an energy-efficient home?

Why are parasites so revolting?

What role can podcasts play in democratic societies?

Step into the shoes of STEM professionals and find out.

**LEARN GERMAN  
+ STUDY SCIENCE**

## PROGRAM

9.45 am

Welcome

10.00 am – 10.30 am

Workshops

11.20 am – 11.45 am

Lunch

12.00 pm – 1.10 pm

Workshops

1.25 pm – 1.45 pm

Presentation on studying in Germany by the German Academic Exchange Service (DAAD)

*Working in small groups you will explore the real life applications of science, technology and engineering.*

### Design a Passive Solar Home

Frank Olbrich (SQC ARCHITECTURE)

Passive solar homes take advantage of a building's site, climate, and materials to minimise energy use. In this workshop, you will design a home that needs as little energy as a hairdryer to keep you warm in winter.

### Podcasting: Making your voice heard

Julia Ahrens (Crawford School of Public Policy)

There are countless ways to reach out to decision-makers about the topics that you care about. From climate change to animal rights, people regularly take to the streets to make their voices heard by politicians. But in the past decade, podcasting has emerged as another powerful form of political participation. From the Brexit pod series *Remainiacs* to the policy advisory in audio format, *Policy Forum Pod*, people – equipped with a microphone and a recorder – are trying to make a difference. In this workshop, you will work with Julia Ahrens to go from developing an idea for a podcast to recording your own mini pod on a topic that you are interested in.

### Adaptive Optics for Space Debris applications

Dr Doris Grosse (ANU College of Science)

60 years of space travel has created millions of pieces of space debris that continually orbits the Earth. This debris is now threatening our global satellite network. Doris explores a possible solution to this problem.

### A Hidden Circus – The Parasite Extravaganza

Assoc. Prof. Alexander Maier (ANU College of Science)

In this workshop, we will think about what parasites are and why we find them so revolting. With their special talents parasites could be compared to circus performers. But what exactly do they do and what do we learn when we study them? Get ready to find it out!

[www.goethe.de/sciencegerman](http://www.goethe.de/sciencegerman)