

International Project week in Darmstadt Summer 2020

The first UNITE! project for students is ready to be promoted and we hope you find it fascinating and want to be a part of it. The funding of their three week-stay in Darmstadt is another incentive.

We are pleased to inform you that INSPIRED, an International project week on bio-engineering in Darmstadt, will offer 20 students from all UNITE! partners a first hands-on experience of what UNITE! is about.

INSPIRED is a flagship project within UNITE! – 20 students from all UNITE! partners can attend in 2020

INSPIRED stands for International Project Week for Interdisciplinary Research-Oriented Digital Learning and

- is a flagship project in showcasing UNITE!: interdisciplinary, international, innovative research and learning (this video shows how <https://youtu.be/AkJ2fVJp8s4>)
- is open to students (bachelor and master level) with an interest in Engineering & Life Sciences (the programme is organized by the departments of Biology, Mechanical Engineering and Material Sciences)
- is a unique combination of a "virtual classroom" and "real life" project work
- comprises an e-Learning preparatory phase (starting March 30, 2020)
- culminates in a summer event in Darmstadt (June 15 - 26, 2020)
- ends with visiting top German companies as well as the European Space Operations Centre (ESOC) (June 29 - July 3, 2020).

Topic:

Darmstadt is the home to the European Space Operations Centre (ESOC), the main mission control hub of the European Space Agency (ESA). The topic is inspired by it: **Interstellar Re-factory**.

Students reach into a multidisciplinary toolbox to re-cycle, re-fine, and re-engineer organic and inorganic resources. They re-deploy them to manufacture outputs ensuring sustainability of off-world travel and space exploration. Through participation in INSPIRED, the international team of future bio-engineers will get familiar with hot production topics, such as the German view of digitalization of production or the arrival of Industry 4.0. Innovative processes, like 3D printing as well as new areas of tension, such as Lean 4.0 will be addressed. Furthermore, novel technologies and approaches revolutionising the realm of life sciences will be

introduced, chief among them: synthetic biology and genome editing. INSPIRED will especially highlight their interplay with other science and engineering disciplines.

Costs:

The fee on the website of 1.800 € applies to students from overseas.

The **reduced fee for UNITE! students is 400€.**

The fee covers room and board in Darmstadt for three weeks, local transport, insurance, company visits and a tour of ESOC, and course materials.

Travel cost are covered by the participants.

The reduced fee is funded by a grant by the German Federal Ministry of Education and Research. There is a good chance we can reduce the fee to 275€ with additional grants. We will send an update regarding further cost reductions before the application deadline.

Application:

The **application deadline is 07 February 2020** and we kindly ask your students to register in time via the registration link on the website.

<https://www.inspired-darmstadt.com/index.php/application>

Required documents: Copy of passport, motivational letter, transcript, proof of language. See more details in the attached Application guide.

Credits:

Participants can obtain **6 credit points** of the European Credit Transfer and Accumulation System (ECTS).

You find more detailed information about INSPIRED on the website: <https://inspired-darmstadt.com/>

The video offers a good introduction into that fascinating project <https://youtu.be/AkJ2fVJp8s4>