



# KOREAN – GERMAN – SUMMER SCHOOL 2025

## BIOINSPIRED MORPHING STRUCTURES FOR SOFT ROBOTICS APPLICATIONS

Be part of the exciting collaboration between **RWTH Aachen University (Germany)** and **Seoul National University** as we explore cutting-edge advancements in 4D Textiles and Soft Robotics. This year we will focusses on novel applications for Soft Robotics in medical or industrial use - driven by innovative smart structures and manufacturing methods.

### Schedule

**12<sup>th</sup> Sep**  
**09 am to 12 pm**  
 Bldg. 301, Room. 1420

**Lectures**  
 With Professor Gries  
*from RWTH Aachen University*

On own time

**Video Lectures**  
 Preparation for group work with  
 Mr. Ronald Zachary Galittli *from SNU ME*  
 And Danchen Zhang  
*from RWTH Aachen University*

**19<sup>th</sup> Sep – 1<sup>st</sup> Oct**  
**between 10 am to 5 pm**  
 Haedong Idea Factory

**Group Work**  
 Design and prototyping of  
 Soft Robotics structures

**2<sup>nd</sup> Oct**  
**8 am to 11 am**  
 Haedong Idea Factory

**Final Presentation**  
 with RWTH Jury

### Cutting-Edge Innovation

Explore advanced fields in 4D Textiles and Soft Robotics, focusing on real-world applications.



### Hands-On Experience:

Participate in practical workshops and design your own Soft Robotics Applications. Realize your own ideas.

### Expert Insights:

Learn from leading professors and industry experts through engaging lectures and collaborative research.

### Career Boost:

Earn a certificate enhancing your academic and professional profile. Connect with international researchers.



Eligible applicants: **SNU and RWTH students** with interest in **soft robotics and 4D textile**  
 Application period: **July 28 - August 15**

Register now to secure your spot!

Do you have any questions? We are here to help!  
 Contact us at [KoreaGermany@ita.rwth-aachen.de](mailto:KoreaGermany@ita.rwth-aachen.de)

