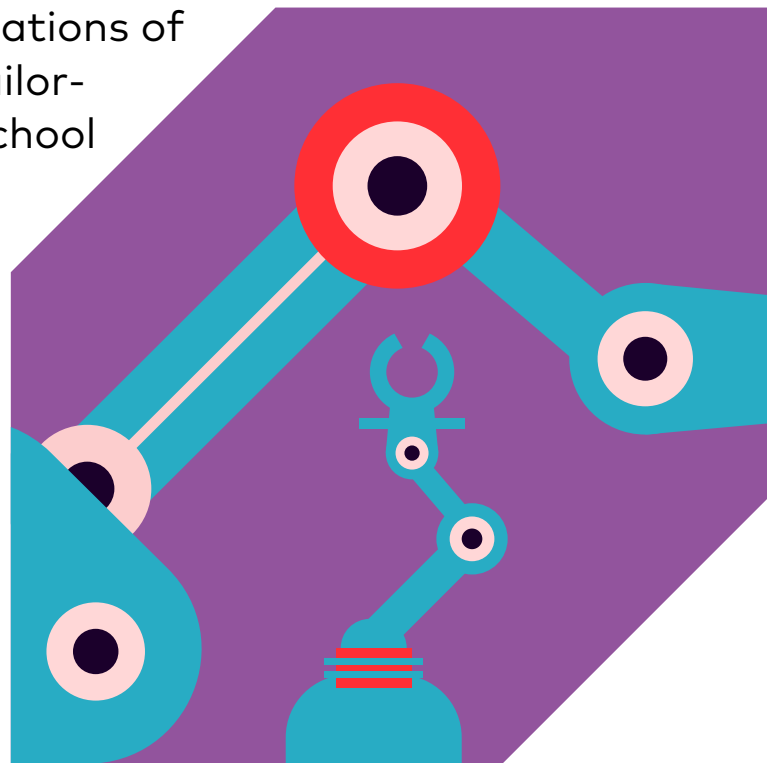


# Robotics.

## Real-Life Applications of Intelligent Design

**R**obotics. Real-Life Applications of Intelligent Design is a tailor-made summer/winter school that is created to unite students who share the same interest and passion in robotics. **The school is a perfect place for all who are interested in learning about the whole process of creating a robot from the idea to the real functional and tangible result.** During the whole educational process participants will be able to experience and participate in the whole process of robot development.



4 WEEKS  
10 ECTS

### The proposed topics of the program

Introduction into Artificial Intelligence and Machine Learning

Introduction into Project Management

Physical Robot – Mechanics, Electronics and Computer

Fuzzy Logic

3D Design Modelling Software (SolidWorks)

Modelling & Simulation

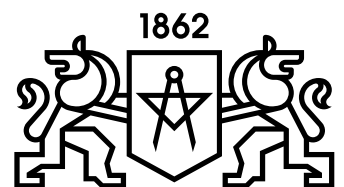
Virtual Modelling and Design

Parametric Modelling Tools

Introduction into Electronics Prototyping

Robot Programming, Debugging Electronics Schematics and Testing Robot Electronics

Robots' Interaction with each other and Humans



RIGA TECHNICAL  
UNIVERSITY

UPON  
REQUEST



## Accommodation Options

Riga Technical University offers accommodation if booked in advance. The Student Hostel is located in the RTU Kipsala Campus. **Within walking distance there is a big shopping mall with grocery store, cafeterias, pharmacy, sport and free time accessories shop and the city centre is reachable on foot.**

## Extra Activities

Summer School will involve not only academic classes and practical group works, but also interesting organisation visits and unforgettable cultural and leisure activities that will bond the team. **Extra activities include: Sight-seeing tour in Riga • Excursions to the most beautiful cities in Latvia • Wild nature hiking and boating tours • Exciting team bonding activities • Latvian Culture and Cuisine workshops and lots other activities.**



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## Contacts

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For more  
information and  
application click  
**APPLY**

**APPLY**



## Application

**The required entry documents:**

- CV
- Motivation letter
- English language proficiency document
- Bachelor/master diploma or transcript of records
- Copy of passport (or ID card for citizens of EU countries).