



# Summer School in Robotics (6 ECTS)

15 of July – 9 of August, 2024

Campus Almby, Örebro University, Sweden

Robotics is the collective name for the interdisciplinary branch of computer science and engineering that concern the design, construction, operation, and use of robots. In this summer school in robotics, we focus on developing and implementing mobile robots using the Robot Operating System (ROS). The summer school is divided into two parts, starting with an introductory week that introduces the basic functionalities and concepts behind ROS. The remaining weeks focus on the practical development of autonomous mobile robots by implementing methods and techniques commonly used to develop autonomous systems. Through project work in group form, you will collaborate to develop your autonomous mobile robots, which ultimately will be tested in a robot competition during the last week of summer school.

## Accommodation

Örebro University provides accommodation located directly on campus, the cost depends on the type of accommodation selected by the student. You will live close to nature yet have shops, restaurants, and other services close by. The city center is a 15-minute bus or bike ride away.



## Information

**Pre-requisites:** 45 credits in technology or engineering, of which 15 credits in computer science, where programming is included.

For more information, visit the course web page (or scan the QR code):

<https://ssr.aass.oru.se/>

