Robot Operating Systems Essentials

Embark on the ROS Journey: from Hardware to Programming

Check out our website!

Expect these Contents

Dive into the fascinating world of robotics, where you'll embark on a hands-on journey to build and control your very own delta robot. This course offers a comprehensive exploration of delta robot kinematics, assembly, and control mechanisms, including an introduction to the Robot Operating System (ROS), a crucial tool in modern robotics. From the fundamentals of robot construction to advanced control using both Arduino and ROS, you'll learn through practical, project-based sessions that culminate in a live demonstration of your robot.

- Understand delta robot kinematics and control principles
- Learn the delta robot building process, including material and component selection
- Program the delta robot using Arduino for task execution
- Debug and optimize robot performance for complex task execution

Quick Facts

Your Summer School at a glance

June 23 - July 6, 2024 (2 weeks)	2,750 €
On campus	Mentoring and Supporting Program
RWTH Certificate with 3 ECTS (approx. 75 hours)	Accommodation included

Turn the theory into your own fully functional robot!

Gain new insights into robot design and control. Together with our partner Universal Robots, you will build your own Delta Robot, which you can even take home with you at the end! Learn first-hand from industry experts and expand your own network!

RWTH International Academy gGmbH
www.academy.rwth-aachen.de/short-courses

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