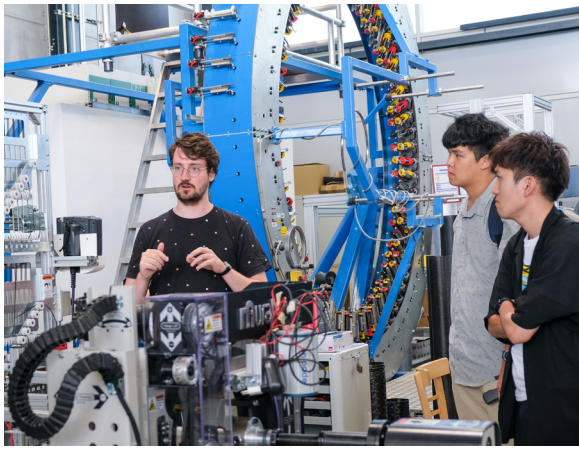
Get to know Smart Interfaces, robotics and a basic understanding of Industry 4.0

Smart Factories





Expect these Contents

The Short Course is dedicated to robotics, simulation and automation systems, condition monitoring, modern factory layout planning, and introducing the industry- and technology-oriented work systems and human information processing, design principles and concepts of user centered HMI design. The robotics part provides an overview of the main areas of robotics: robotic systems, kinematic calculations, dynamics and local and global positioning. The simulation and automation part introduce lean production and Industry 4.0 as the two central pillars of successful production management in nowadays manufacturing companies.

- Develop digital awareness of industry 4.0 applications for a variety of processes
- Development of a factory layout based on given requirements
- Classify different robotic structures

Quick Facts

February 2 - 15, 2025 (2 weeks)

Price upon request

On-campus

Supporting Program

RWTH Certificate with 3 ECTS (approx. 75 hours)

Accommodation included

All programs can be customized with regards to duration, teaching format and content.

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- Comprehend specific steps in digital factory planning that integrate the tools for efficient factory planning and operations in a central data model as the single source of truth (VisTable)
- Evaluate concepts for human-machine interactions scenarios
- Consider Industry 4.0 technologies for solution finding

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

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