#### Solve computing assignments and apply your skills in a project

### **Automation and Simulation**







#### **Expect these Contents**

Learn all about fundamentals in automation and simulation. The topic simulation features various exercises in a computer lab. You solve real world problems by applying software and acquire a solid understanding of methods used in mechanical engineering. In the automation part, you discuss modern automated production systems, covering major cutting-edge technologies of production automation.

- Come up with elaborate calculations for adequate simulations
- · Realize a project work in a computer laboratory
- Try, test, and acquire methods in mechanical engineering to understand automation processes
- · Learn about current research challenges during a lab tour
- Upgrade your skill set for the interdisciplinary engineering world

#### **Summer School**

**July 6 - July 26, 2025** (3 weeks)

**3,350 €** 

**On-campus** 

**&** Supporting Program

RWTH Certificate with 4 ECTS (approx. 100 hours)

 **Accommodation included** 

### Insights into the technologies of the future

As a global pioneer in the field of industrial automation, Eaton is playing a key role in the development and implementation of the most advanced technologies. In previous years, a program highlight has been a visit to their German headquarters in Bonn, where participants enjoyed a full day of hands-on activities and the latest technologies.







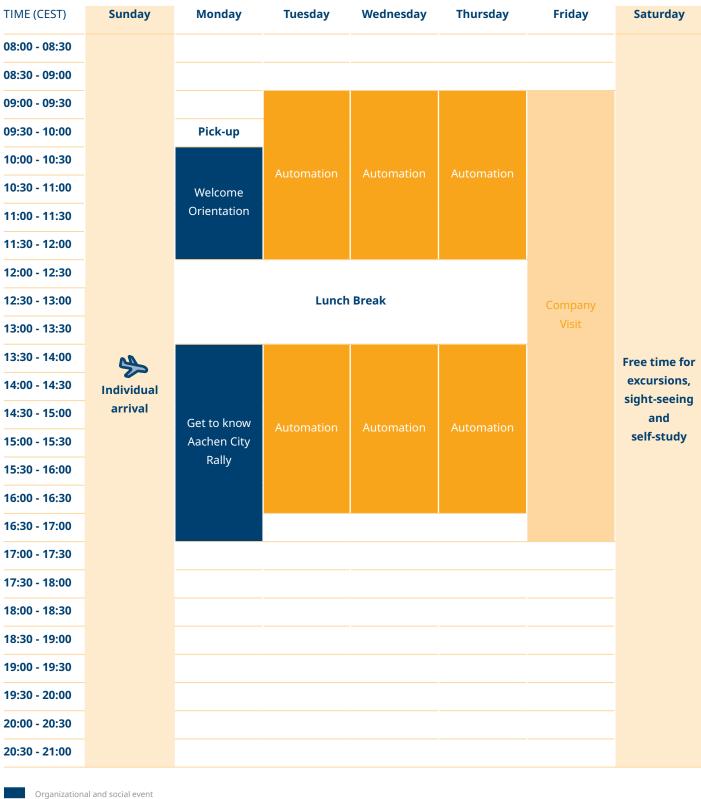








## **Automation and Simulation -Summer School\***



Lecture, academic program

Academic supporting program (institute/company visit, scheduled self-study, group work, case study, project work)

<sup>\*</sup>Exemplary Schedule (Information presented is subject to change. Errors and omissions reserved)





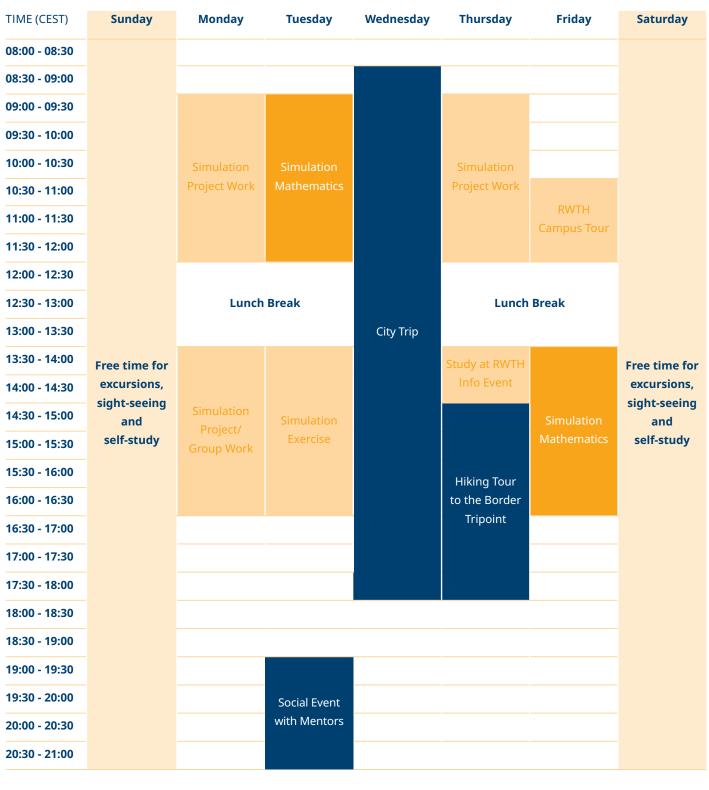








### Automation and Simulation -**Summer School\***





Lecture, academic program

Academic supporting program (institute/company visit, scheduled self-study, group work, case study, project work)

<sup>\*</sup>Exemplary Schedule (Information presented is subject to change. Errors and omissions reserved)







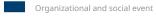






# Automation and Simulation -**Summer School\***

TIME (CEST)	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08:00 - 08:30							
08:30 - 09:00							
09:00 - 09:30		Simulation Project Work	Simulation Mathematics	Simulation Mathematics	Self-study	Self-study for Final Exam	
09:30 - 10:00							
10:00 - 10:30							
10:30 - 11:00						Final Exam	
11:00 - 11:30							
11:30 - 12:00							
12:00 - 12:30		Lunch Break					
12:30 - 13:00							
13:00 - 13:30							
13:30 - 14:00	Free time for excursions, sight-seeing and self-study	Simulation Project/ Group Work	Simulation Exercise	Simulation Project Work	Simulation Final Project Presentation	Farewell Event	<b>S</b>
14:00 - 14:30							Individual Departure
14:30 - 15:00							
15:00 - 15:30					Self-study		
15:30 - 16:00							
16:00 - 16:30							
16:30 - 17:00							
17:00 - 17:30							
17:30 - 18:00							
18:00 - 18:30			Barbeque				
18:30 - 19:00							
19:00 - 19:30							
19:30 - 20:00							
20:00 - 20:30							
20:30 - 21:00							



Lecture, academic program

Academic supporting program (institute/company visit, scheduled self-study, group work, case study, project work)

<sup>\*</sup>Exemplary Schedule (Information presented is subject to change. Errors and omissions reserved)











