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Automation and Simulation Summer School • RWTH Aachen University • Aachen......................... 2

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## Overview

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<th>Course location</th>
<th>Aachen</th>
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</thead>
<tbody>
<tr>
<td>Teaching language</td>
<td>English</td>
</tr>
<tr>
<td>Language level of course</td>
<td>English: B2</td>
</tr>
<tr>
<td>Date(s)</td>
<td>July 13 - July 31, 2020 (Registration deadline of course provider: April 01, 2020)</td>
</tr>
<tr>
<td>Target group</td>
<td>You are a BSc/BE student enrolled at a renowned university, have profound knowledge of the English language and are studying computer science, mechanical engineering or a related field. Ideally, you should have taken classes that address the following areas and thus already have basic knowledge in the following areas: mathematics, mechanics, materials science, thermodynamics, computer science/programming techniques, machine drawing/machine elements, and modelling. The minimum age to participate is 18. Students should have completed the first year of their studies.</td>
</tr>
</tbody>
</table>

### Academic Content

The Summer School covers the fundamentals used in automation and simulation. In hands-on exercises and computer lab lectures, students solve real world problems using industry standard and open source software. As a result, methods used in mechanical engineering are tried, tested and acquired, enabling students to better use their skill set in the interdisciplinary engineering world. In addition, students learn about German language and culture in the language classes.

### Academic Staff

The teaching is divided into an engineering part and a German language part. The Institute of General Mechanics (IAM) and a visiting scholar and long-standing friend of the IAM are responsible for the automation and simulation classes. The Language Center of RWTH Aachen University conducts the language classes.

| Average number of hours per week | 30 |
### Costs / Funding

**Dates and costs**
- July 13 - July 31, 2020 (Registration deadline of course provider: April 01, 2020), **costs: EUR 2,990**

**This price includes**
- Course fees
- Accommodation
- Accompanying programme

**Further information on dates and prices**
The course fees amount to 2,990 EUR for the **three-week** summer school programme (accommodation included!).

**All-inclusive package:**
- lectures
- accommodation
- excursions and social events
- public transportation ticket
- catering

Early Bird Discount: complete your application by 1 March to get a 10% discount on the total fees – in case of admission!

### Requirements / Registration

**Teaching language**
- English

**Language level of course**
- English: B2

**Language requirements**
An English language proficiency test is recommended.

Since the programme is taught in English, you need to have sufficient academic English language skills to be able to follow the course.

**Submit application to**
Applications for the Summer School programmes are possible via our [online application form](#) on our [website](#).
<table>
<thead>
<tr>
<th><strong>Is accommodation organised?</strong></th>
<th>Accommodation is arranged by the organiser.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of accommodation</strong></td>
<td>Participants will stay at one of Aachen's hostels, where breakfast will be provided. The rooms accommodate two to four people. The accommodation is centrally located in the heart of the city and is well served by the city’s public transport system. Students will receive a public transport ticket for the duration of the Summer School for convenient travel within the Aachen city region.</td>
</tr>
<tr>
<td><strong>Meals</strong></td>
<td>Breakfast and lunch on workdays are included.</td>
</tr>
<tr>
<td><strong>Is a social and leisure programme offered?</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>
| **Description of social and leisure programme** | Social Events - Have Fun While Studying! While following an intensive academic programme, participants will experience German culture first hand through an extensive leisure programme, e.g.:  
  * Intercultural training  
  * Visits to important sights in and around Aachen  
  * Excursions to nearby cities such as Maastricht or Cologne  
  * Sporting events  
  * Barbecues, karaoke and other get-togethers  
  ... and a lot more - enjoy your stay! |
| **Free internet access**       | Yes |
| **Support in visa matters**   | Yes |
| **Pick-up service from train station/airport** | Yes |
“RWTH International Academy Summer School was one of the most inspiring experiences in my life, both academically and socially. The lectures and hands-on sessions were elaborately designed, and the teachers were all happy to help us.

The life in Aachen was quite comfortable and full of opportunities to meet wonderful friends.

I hope I can get back to RWTH Aachen again!”

RWTH Aachen University

With 260 institutes in nine faculties, RWTH Aachen University is one of Europe's leading institutions for science and research. Currently, around 45,000 students are enrolled in over 100 academic programmes. More than 10,000 of them are international students. The scientific education students receive at RWTH Aachen University is firmly rooted in real-world applications. Our graduates are highly sought after by businesses as trainees and for executive positions.
### University location

Aachen, Germany’s westernmost city, is located on the borders with Belgium and the Netherlands. Its population is about 240,000. Aachen’s historic centre around the distinctive cathedral (UNESCO world heritage site) is characterised by a student lifestyle. On the city’s doorsteps, the hilly Eifel landscape with its rivers, lakes, and forests offers a picturesque countryside for outdoor recreation. Aachen benefits greatly from its central location: in the heart of Europe!

### Contact

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- [https://www.instagram.com/rwthsummerschool/](https://www.instagram.com/rwthsummerschool/)

Last update 25.06.2020 05:11:31
International Programmes in Germany - Database

www.daad.de/international-programmes  
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The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.