



Research assistant in the field of **Construction Robotics**

OUR PROFILE

The Center Construction Robotics closes the digital chain in construction from planning to production to realisation. In an interdisciplinary team and consortium of international industry partners, we are working on machine automation, the use of robot-assisted construction processes, digital interfaces, additive manufacturing processes and intelligent construction site mapping.

The Reference Construction Site serves as a real laboratory where new construction processes and products, networked machines, the use of robots, software solutions as well as teaching, working and communication concepts are tested under real construction site conditions. The Reference Construction Site is the starting point for the development of a far-reaching network in the field of construction transformation and is connected to the 5G-Industry Campus Europe. The reference site serves as a test environment for the

various projects where a 5G network is being installed to test and develop the technology for construction use cases in dynamic and robust environments.

YOUR PROFILE

- A completed university degree (Master's or comparable) in architecture/ civil engineering or comparable subjects
- High level of motivation and ability to familiarise oneself with topics from other disciplines
- Good verbal and written communication skills in German and English
- Experience in teaching
- Experience in organisation and management
- Knowledge of digital manufacturing tools such as Grasshopper and Rhino 3D printing



YOUR TASKS

- Organisation and management of the Masters "Construction and Robotics"
- Teaching support for the international Masters Construction & Robotics <https://cr.rwth-aachen.de>
- Preparation for a doctoral thesis in the field of construction robotics

OUR OFFER

The appointment is to take place as soon as possible until 01.03.2023 is initially limited to 12 months. A further employment of at least 2 years is planned. The employment relationship is based on the grouping of the collective agreement for the public service of the Länder.

We also particularly want to promote the careers of women and welcome female applicants. Women will be given preference in cases of equal aptitude, ability and professional performance, provided that they are underrepresented in the organisational unit and that reasons relating to the person of a competitor do not prevail.

We attach importance to equal opportunities and welcome applications from people with disabilities.

QUESTIONS AND APPLICATIONS UNTIL 10.02.2023

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