Please send a cover letter stating research aims and a CV to: Dekan der Fakultät für Bauingenieurwesen der RWTH Aachen University, Univ.-Prof. Dr.-Ing. habil. Markus Oeser, 52056 Aachen. You can also send your application via email to berufung@fb3.rwth-aachen.de. Please note, however, that communication via unencrypted e-mail poses a threat to confidentiality as it is potentially vulnerable to unauthorized access by third parties. For information on the collection of personal data pursuant to Articles 13 and 14 of the General Data Protection Regulation (GDPR), please visit https://www.rwth-aachen.de/gdpr-information.

The deadline for applications is 31.01.2021.

This position is also available as part-time employment per request.

We welcome applications from all suitably qualified candidates regardless of gender. RWTH Aachen University is certified as a family-friendly university and offers a dual career program for partner hiring. We particularly welcome and encourage applications from women, people with disabilities, and people from ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply, and appointments will be made on merit.

Junior Professor (W1, tenure track) in Digital Process Management in Construction
Faculty of Civil Engineering

This is a junior professorship appointment with a tenure track career path towards a W3 professorship. The position is funded by the Tenure Track Program of the German federal and state governments. This call for applications is therefore particularly targeted at early career researchers. For further information about the tenure track process, please visit www.rwth-aachen.de/tenuretrack.

We are seeking qualified applicants for teaching and research in the area of Digital Process Management in Construction. The starting date is 01.01.2022. The professorship addresses the analysis and transformation of construction processes in the context of the increasing digitization and automation in the construction industry. The position is explicitly addressed to applicants from computer science and engineering disciplines such as civil engineering, mechanical engineering and electrical engineering.

The curriculum is to be provided primarily in the study courses Civil Engineering and Business Administration and Engineering (specialization Civil Engineering). The introduction of new courses in the field of digital construction, e.g. for the new English-language master's program "Digital Engineering in Construction", is expressly welcomed.

The main focus of research is the holistic digital view of construction processes, i.e., the evaluation and redesign of construction processes in a field of tension that is spanned by the potentials of digitization and automation on the one hand and the constraints of construction on the other. Possible research topics are seen in the field of automation and autonomous construction, computer-aided analysis, optimization and simulation of construction processes as well as the investigation of data science methods for digital process management. Finally, changed construction processes also lead to new tasks and roles, so that the human factor can represent another topic of research within the context of digital transformation in the construction industry.

You should have a completed university degree and a special aptitude for scientific work which is generally verified by means of an outstanding doctorate. Ability in and commitment to teaching are essential. The application should include supporting documents regarding success in teaching. German is not
necessary to begin but will be expected as a teaching language within 5 years.

A high willingness for networking with the national and international construction industry as well as for interdisciplinary cooperation in research and teaching is required. Participation in the BIM Center at the RWTH Aachen Campus is possible.