

We are one of the youngest universities in Germany and have a fresh way of looking at things. We think in terms of unlimited possibilities instead of possible limitations. Located in the heart of the Ruhr metropolis, we have 11 faculties working to develop ideas with a future. We are strong on research and teaching, embrace diversity, promote academic potential and fight for genuine educational equality.

The **University of Duisburg-Essen** is offering a

**PhD Candidate/Associate researcher (m/f) position
at universities (Salary Classification 13 TV-L)
in the area of „Software Engineering for Cyber-Physical Systems / Internet of Things“**

at the Faculty of Business Administration and Economics,
research area Applied Computer Science (**Campus Essen**)

Modern software systems (e.g., in the automotive, avionics, medical technology, or logistics domains), closely interact with their physical environment through sensors and actuators, and communicate through the Internet ("Internet of Things"). This poses new challenges that need to be coped with during development. On the other hand, it is also crucial to dynamically react to changes and enable shorter release cycles, which demands a stronger integration of development and operations ("DevOps").

The *Software Systems Engineering* research group (*Prof. Dr. Klaus Pohl*) develops methods and techniques for engineering software-intensive systems, such as adaptive, data-intensive, or cyber-physical systems. The group is part of the research institute *paluno (The Ruhr Institute for Software Technology)*, in which ten professors and their teams, a total of more than 100 academic staff members, join forces.

Your job:

As part of our competent and motivated team, you will develop innovative methods and techniques addressing current research questions in the area of *Software Engineering for Cyber-Physical Systems*. You will prototypically implement and evaluate your research results in close cooperation with our industrial partners. Your tasks include, among others, participating in European and national research projects, publishing and disseminating research results at internationally renowned scientific conferences and journals, as well as supporting teaching activities. Each of the two positions also provides the opportunity to pursue further academic qualification (i.e., to earn a PhD degree). More information on our PhD process can be found online: <https://sse.uni-due.de/en/job-opportunities/>

Your profile:

Completed studies in (Applied) Computer Science, Software Engineering, Systems Engineering, Business Information Systems, Engineering Informatics, or a related area (duration: at least 8 semesters) | Strong interest in delving into current research questions in the area of *Software Engineering* | Creativity, ability to work in a team, remarkable analytical skills | Interest in collaborating with researchers and developers across different disciplines to develop creative solutions for complex problems

Begin of employment: At earliest convenience

Contract duration: 3 years (Due to a change in the regulation of fixed-term contracts according to WissZeitVG since 11.03.2016, the actual duration of the contract may differ from the information above, depending on personal qualifications)

Working hours: Full-time or part-time (at least 50 percent of a full-time position)

Application deadline: **January 31, 2018**

The University of Duisburg-Essen aims at promoting the diversity of its members (see <http://www.uni-due.de/diversity>). It aims at increasing the share of women in the scientific personnel, and therefore explicitly encourages women to apply. Women will be preferentially considered when equally qualified according to the state equality law. Applications from disabled or equivalents according to § 2 Abs. 3 SGB IX are encouraged.

Please address your complete application with reference number **813-17** to Mr. Prof. Dr. Klaus Pohl, University of Duisburg-Essen, Faculty of Business Administration and Economics, paluno, Software Systems Engineering, 45127 Essen, Phone +49 201 183-4660, E-Mail bewerbung.paluno@uni-due.de.

Further information about the institute and the announced positions: <http://paluno.uni-due.de>

www.uni-due.de

