

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 “*Engineering Intelligent Autonomous Systems*”**

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

Intelligent autonomous systems are capable of adapting themselves to changing contexts and requirements, as well as hardware or infrastructure failures. To do so, they reflect on their own behavior and reason about potential effects of their actions on the context. Such systems can be realized as autonomous agents that form dynamic groups to provide services that go beyond the services an individual system can provide. This poses novel challenges for engineering methodologies and techniques.

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 Intelligent and Autonomous 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. The position 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

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

Application deadline: August 2, 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 **436-18** 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

