

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

**Senior researcher (m/f) position
at universities (Salary Classification 14 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 closely cooperate with our partners from industry to develop innovative methods and techniques addressing current research questions in the area mentioned above. You will, among other tasks, lead work packages in national and European research projects, publish your research results at internationally renowned scientific conferences and journals, and support teaching activities. You will also coordinate sub-areas of our research focus (including the guidance of employees), shape and contribute proposals for follow-up research projects, and be involved in program committees as well as co-organizing scientific workshops. The position provides the opportunity to pursue further academic qualification.

Your profile:

PhD degree in (applied) computer science, software engineering, systems engineering, information systems, engineering informatics, or a related area | 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: 2 years

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

Application deadline: **September 13, 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 **435-18** 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

