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 two

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

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

Modern software systems (e.g., in the automotive, avionics, transportation or logistics domains), closely interact with their physical environment through sensors and actuators, and increasingly communicate with each other through networks. Such cyber-physical systems typically operate in highly dynamic contexts, and need to be adaptive in order to meet safety-critical requirements in changing and previously unforeseen situations at runtime.

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 Smart 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

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

Application deadline: **May 06, 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 **213-18** 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

TOTAL E-QUALITY

audit
familiengerechte
hochschule
Zertifikat seit 2010