The Ruhr area, one of Europe's largest metropolitan regions, offers attractive career opportunities for excellent scientists and scholars from around the world. In 2021, Ruhr-Universität Bochum, TU Dortmund University and the University of Duisburg-Essen established the Research Alliance Ruhr to bundle their cutting-edge international research on the most urgent challenges facing humankind. There will be four research centers and a college. This is the latest chapter in our long-standing collaboration as the University Alliance Ruhr (UA-Ruhr), a community of 14,000 researchers and 120,000 students in the heart of Germany.

As part of the Research Alliance Ruhr, the Research Center Trustworthy Data Science and Security (RC Trust) is seeking to fill the following position within the Faculty of Engineering, Information Technology, and Applied Cognitive Science, University of Duisburg-Essen as soon as possible:

**Professorship (W3) for Human Understanding of Machines and Algorithms**

**Your responsibilities:**
The successful candidate will conduct research in the area of “Human Understanding of Machines and Algorithms” from the perspective of psychology and artificial intelligence. Research should address the complex interaction of human users and technical systems (especially intelligent technology and algorithms that can rely on artificial intelligence and, for example, machine learning) from a user-centric perspective. The teaching load is reduced to four weekly hours per semester. The successful candidate is expected to contribute to English-taught courses in the Master’s degree programs.

**Your Qualifications:**
- Attractive higher education postgraduate qualification at the level of a doctorate (Ph.D.), or a comparable qualification, or a higher academic degree which is in principle qualified for the academic career level of the professorship.
- Several years of research experience needs to be documented in the application. In addition, the self-citation of publications.
- Interaction with algorithmic reasoning and recommendation support systems (e.g., medical decision support).
- Interaction with algorithmic reasoning and recommendation support systems (e.g., medical decision support).
- Methodological knowledge.
- Professional experience in teaching.
- Excellent written and oral communication skills.
- Excellent interdisciplinary research profile and the willingness and ability to combine self-directed work with self-organized work.
- Understanding of Machines and Algorithms” from the perspective of Psychology, Computer Science, and Cognitive Science.
- Understanding of the Human Understanding of Machines and Algorithms (e.g., machine learning, artificial intelligence, systems (e.g., medical decision support).
- Ability to work as a team member and interact with other researchers from other research groups.
- Knowledge of research coordination and project management.
- Ability to work independently and in a collaborative manner.

**Responsibilities**
- Research:
  - Publishing articles in peer-reviewed journals.
  - Publishing articles in peer-reviewed conferences.
  - Publishing articles in peer-reviewed books.
- Teaching:
  - Teaching courses in the Master's degree programs.
  - Teaching courses in the Bachelor's degree programs.
- Service:
  - Serving on departmental committees.
  - Serving on university committees.

**How to apply:**
Please provide the usual documents:
1. CV, (2) list of publications, and (3) documents demonstrating your academic and professional experience, including (4) a copy of your research profile as evaluated by research assessment panels, (5) an overview of your experience in academic self-administration, and (6) a teaching-learning concept including information on your previous teaching activities.

Please address any questions to Professor Dr. Nicole Knaumer (nicole.knaumer@uni-due.de).

Our Welcome Services
Our Welcome Services team is happy to assist especially international applicants and their families with relocating to the Ruhr area, an urban and metropolitan region. We can advise you on housing options, on employment in rural areas and help you find childcare if needed. Our Dual Career Service can help you with your partner or their own professional development in the region if requested.

**Diversity**
The Ruhr promotes diversity and equal opportunities. We strive to significantly increase the percentage of women in research and teaching and therefore welcome applications from female academics. We give preference to severely disabled applicants if other qualifications meet the requirements.

Further Information
Further information about the Research Center Trustworthy Data Science can be found at: www.rc-trust.de

There you will also find the advertise information for other research professorships of the RC Trust.

Research Alliance Ruhr
The Research Alliance Ruhr is a part of a cluster of the three major universities in the Ruhr area, established and managed by the Ruhr Conference. The four research centers will focus on: "One Health,” “Chemical Sciences and Sustainability,” “Trustworthy Data Science and Security,” and "Future Energy Materials and Systems.” In addition, the Research Alliance Ruhr is establishing a "College for Social Sciences and Humanities."