We are one of the youngest universities in Germany and think in terms of possibilities, not limitations. In the heart of the Ruhr Area, we develop ideas of the future at our 11 faculties. We are strong in research and teaching, in living diversity, as well as in supporting potential. We are highly committed to an educational equality that has earned its name.

The University Duisburg-Essen invites applications for the following academic position:

PostDoc Position
Salary Scale TV-L EG 14

Your tasks:

Participation in the development of the Institute for Digitalisation in Civil Engineering as a research and service entity of the Department of Civil Engineering. Development of a digitalisation agenda for civil engineering. To support all institutes of the department with respect to grant application. Pooling of interests and competences regarding digitalisation. Independent research on a topic related to digitalisation / artificial intelligence, potentially with a focus on machine learning / data analytics.

Participation in teaching activities: Development of new courses related to digitalisation / artificial intelligence in civil engineering. Delivery of corresponding lectures and tutorials. Use of blended learning concepts.

Participation in transfer and networking activities. Development of a network of expert partners across the University of Duisburg-Essen, the University Alliance Ruhr and beyond. Implementation of measures to support visibility of the institute and to increase outreach.

Opportunities for further research qualification will be provided.

Your profile:

Key qualifications:
- Doctoral degree in an engineering discipline (preferably civil engineering, mechanical engineering, computational mechanics…).
- A strong interest in current developments regarding digitalisation / artificial intelligence in civil engineering and in potential opportunities as well as in construction related applications and computational mechanics.
- Excellent communication skills in both written and spoken English.

Preferred qualifications:
- Relevance of previous research (doctoral thesis) with respect to digitalisation / artificial intelligence.
- An independent, team-oriented work approach and an ability to network.
- Openness and curiosity with respect to new fields, an interest in interdisciplinary work.
- Good knowledge of German language

Starting date: **as soon as possible**

Term of contract: **36 months**

Working time: **full time**

Application deadline: **02.02.2021**

The University of Duisburg-Essen aims to increase the diversity of its members (see http://www.uni-due.de/diversity). It also aims to increase the number of women among its academic staff and therefore encourages women with pertinent qualifications to apply. Women with equal qualifications will be preferred in accordance with state equality laws. Applications of qualified disabled persons in the legal sense of § 2 para. 3 SGB IX are also welcome.

Applications should be submitted to: Mr. Prof. Dr. A. Malkwitz, Universität Duisburg-Essen, Fakultät für Ingenieurwissenschaften, Abteilung Bauwissenschaften, 45117 Essen, Phone: 0049/201-183 2848.

For further informations:

http://www.uni-due.de/iw/de
www.uni-due.de