

The Institute of Cognitive Science, the Department of Business Administration, Organization and Information Systems and the Center for Digital Learning, Campus Management and Higher Education Didactics of Osnabrück University invite applications for

### **6 Research Assistants**

(Salary level E 13 TV-L, up to a max. of 100 %)

for a joint research project addressing the individualization of studies by means of digital data-driven assistants and the utilization of external (open) educational resources (OER).

Subject to the allocation of funds, positions are to be filled by November 1, 2018 for a period until April 30, 2022. Depending on the success of the project, employments may be extended by another 2.5 years.

#### **Your responsibilities:**

- *Subject "Information Systems":*
  - Development of models for the exchange of courses
  - Interview studies with students and teachers
  - Evaluation of acceptance and success factors
- *Subject "Cognitive Science"*
  - Development of hardware and software for the collection and analysis of self-regulatory processes or
  - Development of recommendation mechanisms for learning processes or
  - Development of learning and reflection resources for data ethical issues
- *Subject "E-Learning"*
  - Coordination of the multisite joint research project
  - Media didactic conception of individual learning assistants
  - Development of interfaces for e-learning and OER systems
  - Supervision of pilot experiments

#### **Required qualifications:**

- *Subject "Information Systems":* Applicants are expected to hold an academic degree in either business administration, information systems, computer science, psychology, pedagogy, social sciences or equivalent
- *Subject "Cognitive Science":* Applicants are expected to hold an academic degree in either cognitive science, biology, psychology, neuroscience, computer science or equivalent
- *Subject "E-Learning":* Applicants are expected to hold an academic degree in either pedagogy, media informatics, computer science or equivalent
- Good command (spoken and written) of both the German and English language (at least B1 level)

#### **Desirable qualifications:**

- High, interdisciplinary communication and teamwork skills
- Experience in interdisciplinary multisite project work
- *Subject "Information Systems":*
  - Knowledge in the research fields of acceptance and success factors
  - Proficiency in the fields of project management and/or market research and data analysis

- *Subject "Cognitive Science":*
  - Knowledge of hardware and software development for neuroinformatics applications or
  - Experience in methods of artificial intelligence for e-learning applications or
  - Experience in the analysis of physiological and behavioural data, e.g. recording of eye movements and EEG, as well as proficiency in modern machine learning methods
- *Subject "E-Learning":*
  - Experience in software development involving operators and users
  - Well-developed technical understanding for the analysis of problems and for the communication with developers

The positions can be held full-time or part-time.

Osnabrück University has been certified as a family-friendly university committed to helping working/studying parents and carers balance their family and work life.

The university aspires to ensure equal opportunities for men and women and strives to work towards a gender balance in schools or departments where new appointments are made.

If equally qualified candidates apply, preference will be given to those with special needs.

Applications with the usual documentation should be submitted by e-mail in a **single** PDF file to [virtuos+bewerbung@uni-osnabrueck.de](mailto:virtuos+bewerbung@uni-osnabrueck.de) no later than **September 14, 2018**.

Further information may be obtained from Ms Kerstin Farthmann by email ([kerstin.farthmann@uni-osnabrueck.de](mailto:kerstin.farthmann@uni-osnabrueck.de)) or phone (+49 541 969 6514).

We are looking forward to receiving your application.