Postdoctoral Researcher / Doctoral Research Assistant

in the EU-funded project


(TV-L13, approx. € 32,000 to € 40,000 p.a. gross)

The goal of the project SHARE-it is to develop a scalable, adaptive system of add-ons to sensor and assistive technology so that they can be modularly integrated into an intelligent home environment to enhance the individual’s autonomy. The system will be designed to inform and assist the user and his/her caregivers through monitoring and mobility help. Thus, we plan to contribute to the development of the next generation of assistive devices for older persons or people with disabilities so that they can be self-dependent as long as possible. We focus on add-ons to be compatible with existing technologies and to achieve an easier integration into existing systems. We also aim at adaptive systems as transparent, and consequently, easy to use to the person as possible. Scalability is meant to include or remove devices from the system in a simple, intuitive way.

At Universität Bremen, the work in SHARE-it concentrates on the development of a cognitive performance model as a basis for interaction models tailored to individual users’ requirements.

To the tasks of the applicant belong the development of the cognitive models and interaction models that describe the users’ capabilities (both with and without impairments) and the quality and degree of assistance provided by the interactive systems.

Practical experience in the following areas is desired:
- cognitive computational modeling
- software design and development
- cognitive architectures and modeling tools (e.g., ACT-R)
- fluent in written and spoken English

Additional knowledge that would be appreciated:
- knowledge in cognitive psychology / cognitive science
- interdisciplinary background in spatial cognition research
- experience with international research projects

The successful applicant is expected to autonomously communicate and interact with the European cooperation partners that jointly develop the SHARE-it modules and platforms. The requisites are a graduation in a relevant area or a master / diploma in computer science as well as interest in basic and applied research, and/or experience in a similar project field.

The position is available immediately until the end of 2009 and are under condition of job release. An extension is possible. Application deadline: 04 April 2009 (or until a suitable candidate is found). Universität Bremen is an equal opportunity employer. Women are especially encouraged to apply.

Handicapped applicants with equal qualifications will be given preferential treatment.

Please address questions about the positions and send your application with the reference number A41/09 (preferably by email) to:
The project SHARE-it is funded by the EU within the 6th Framework Programme.