Early Stage Researcher position

EASE – Everyday Activity Science and Engineering

The Collaborative Research Center (CRC) EASE funded by the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG) offers an

Early Stage Researcher position (full-time, starting as soon as possible till 30. June 2021) - under the condition of job release.

in the area of Computer Vision, Sensor Fusion and Robotics in the frame of the

EASE subproject R02

The Early Stage Researcher will be located and employed at the multi-sensor interactive systems group at the Universität Bremen (Germany). The candidate will be enrolled in and become a member of the graduate program of the CRC at the Universität Bremen (Germany) with the purpose of successfully completing a Dr.-Ing. degree in Computer Science.

Project Description

The Collaborative Research Center Everyday Activity Science and Engineering (EASE) is a fundamental research endeavor to investigate the cognitive information processing principles employed by humans to master everyday activities and to transfer the obtained insights to models for autonomous control of autonomous robotic agents. The aim of EASE is to boost the robustness, efficiency, and flexibility of various information processing subtasks necessary to master everyday activities by uncovering and exploiting the structures within these tasks.

The specific subproject R02 where this open position is located in aims at localizing

household objects in cupboards and dishwashers by means of computer vision despite

the strong degree of occlusion and the difficult, often textureless, reflecting

and transparent objects encountered in these situations. Thereby it provides the EASE

robot with the perceptual capabilities needed for fetching objects.

We are searching for an early career researcher

(wissenschaftlicher Mitarbeiter) who is enthusiastic for developing algorithms

in computer vision that are both theoretically well founded and practically

successful. S/he should be able to design, implement and evaluate

computer vision algorithms. S/he should possess a strong

ability in relating different levels of abstraction, i.e. what happens

in reality, how that is represented in the computer, what kind of mathematical

properties structure this representation. S/he should both be able to work

on his/her own in a self-driven manner but also to work in a team communicating

ideas, findings and problems effectively.

Specific requirements:

- Completed MSc or Diploma degree in Computer Science, or related fields
- Excellent programming skills in C++
- Substantial experience in the area of computer vision
- An understanding of mathematical models and their meaning in real applications.
- Very good English language skills.
- German skills are a plus but not mandatory.

The selected candidate will be employed full-time as an Early Stage Researcher. The position is limited to a term of up to 4 years and funded by the Deutsche Forschungsgemeinschaft (DFG) with a salary 100% TVL-13 linked to the German system.

The University of Bremen aims at increasing the number of women in science and therefore explicitly encourages applications from female candidates. In the case of equal personal aptitudes and qualification, priority will be given to disabled persons. Applicants with a migration background are welcome. In addition to the scientific education, the research training group supports families.

Documents should include a letter of motivation, a CV, the applicant's research and technical background as they relate to the position, as well as two reference letters. All files shall be combined in a single.pdf file.

After the successful passing of the written applications, shortlisted candidates will be invited to an interview via skype.

Applicants should submit under the reference number A158/17. As the positions should be filled at the nearest possible date, Deadline for the applications is **August 15, 2017** or until the positions are filled.

For further enquiries please contact
Prof. Dr.-Ing. Udo Frese
Universität Bremen
Enrique-Schmidt-Str. 5
28359 Bremen
Or by email ufrese@informatik.uni-bremen.de

Veröffentlichung: *Kopie an:*

-Uni HP 07.07.17 neu:25.07.17   *- K*

                                        - FB3

                                        - Dez. 2

Bewerbungsschluss*:23.07.17*   *- PR*

Neu: 15.08.2017   *- Zentrale Frauenbeauftragte*

                                        - Vertrauensfrau d. Schwerbehinderten