Doctoral Research Assistant / Postdoctoral Researcher
SFB/TR 8 project R3-[Q-Shape], Universität Bremen
(TVL 13, approx. € 32,000 to € 40,000 p.a. gross)
Reference-No. A174/09

The project “Qualitative Reasoning About Paths, Shapes, and Configurations” investigates spatial representation and reasoning techniques with the long-term goal of spatial intelligence for autonomous agents. Currently, our research focuses on qualitative spatial reasoning and its application in robot navigation. Detailed information about the project is available from our web page http://www.sfbtr8.uni-bremen.de/project/r3/

Applicants should have a degree in computer science or in a related field (diploma, master’s, or doctoral degree). Strong interest in interdisciplinary collaboration is expected. Experience in international projects is desired, too.

In particular, the applicant should have qualifications and/or interests in the following fields:
- Artificial intelligence
- Spatial reasoning (e.g., CSP, logic, geometry)
- Mobile robots
- Qualitative representations and reasoning
- Navigation and high-level agent control
- Experience in software development and programming (Lisp, C)

We offer the opportunity to gain research experience in a modern and enthusiastic research environment with strong interdisciplinary and international links. Responsibilities include project work and research, publication of research results, supervision of student projects, participation in the activities of the SFB/TR 8, and contribution to research proposals.

The position is available from 1st of January 2010, subject to the availability of the funds, until the end of 2010. Extension is possible; the project is planned to continue until the end of 2014. Application deadline: 16 October 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.

For questions, please contact Dr. Diedrich Wolter (dwolter@sfbtr8.uni-bremen.de).

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