The research activities in the project A6- [Reactive Space] concentrate on the consequences of complex kinematical abilities of robotic systems for acquiring cognitive abilities in natural environments. In the context of autonomous intelligent robots, we develop, build, and program highly complex systems that range from classical wheeled robots and multipods to dynamics 4-legged robots and humanoids.

Practical experiences in the following areas are desired:
- Behavior-based architectures
- On-line learning algorithms
- Simulation with ODE
- Subsymbolic learning techniques
- Higher level AI planning

Strong programming skills in C/C++ are mandatory.

Possible additional assets are:
- experience with embedded hard- and software,
- experience with computer vision,
- experience with RTOS.

The requisites for the positions are a graduation in a relevant area or a master / diploma in computer science as well as interest in basic research.

We offer the opportunity to gain research experience in a young team in a modern and enthusiastic research environment with strong industrial and international links. Responsibilities include project work and research, publication of research results, and teaching.

The positions are available immediately until the end of 2006. Extensions are likely.
Application deadline: 08 February 2006 (or until a suitable candidate is found).

As the University of Bremen intends to increase the proportion of female employees in science woman are particularly encouraged to apply.

In case of equal personal aptitudes and qualification disabled persons will be given priority.

More information about the project can be found at www.sfbtr8.uni-bremen.de/a6.html

Please address questions about the positions and send your application under the reference no. A 3/06 (preferably by email) to

Renate Post-Gonzalez <postgon@informatik.uni-bremen.de>
Sekretariat Prof. Dr. Kirchner - AG Robotik -
FB 3
Universität Bremen
P.O.Box 33 04 40
28334 Bremen
Germany
We would be very grateful, if you could submit your application documents as copies (no folders), we can not send your documents back because of cost reasons; after the application process the documents will be destroyed.

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