

pursues interdisciplinary long-term research in Spatial Cognition. Particular emphasis is given to:

- **Spatial Reasoning:** Knowledge representation, human spatial thinking, computational modeling, diagrammatic reasoning, cognitive and computational complexity, qualitative spatio-temporal calculi;
- **Action in Space:** Cognitive robotics, explorative localization and mapping, robot navigation, human navigation and wayfinding, sensorimotor representations of spatio-temporal structures, embodied cognition;
- **Communication and Interaction in Space:** Formal methods, spatial and linguistic ontologies, computational linguistics, environmental cognition, integration of spatial methods.

A description of the current research projects of the SFB/TR 8 can be found at www.sfbtr8.uni-bremen.de

The SFB/TR 8 is funded by the German Research Foundation (DFG).
The SFB/TR 8 advertises the following position until the end of 2010:

1 Doctoral Research Assistant / Postdoctoral Researcher

SFB/TR 8 project [NavTalk], Universität Bremen
(1/2 13 TV-L, approx. € 17,500 to € 25,000 p.a. gross)
Reference number A72/09

The position will be available immediately, subject to the availability of funds. Extension is possible. Application deadline: 22 May 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.

The newly established research project [NavTalk]: "Cognitive maps of buildings for navigation and communication" is seeking a researcher for the analysis of natural language as a representation of cognitive processes. The goal of the project is to investigate how humans understand and talk about the spatial layout of buildings when navigating and solving problems in indoor environments. Specifically, it will address the significance of humans' cognitive maps of buildings for navigation by systematically investigating wayfinding behavior and linguistic production in parallel, focusing on the particular spatial elements that are fundamental to wayfinding processes within buildings. The successful applicant of the currently advertised position will be concerned predominantly with the analysis of free language production data, but work in close international and interdisciplinary cooperation with behavioral researchers within the field of Spatial Cognition.

Applicants should have a degree in linguistics or in a related field (diploma, MA, or Ph.D.). Especially, they should have qualifications and/or interests in the following fields:

- Empirical, cognitive discourse analysis
- Experimental data collection, transcription, computer-based annotation, and analysis
- Spatial language and spatial cognition
- Cognitive strategies

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.

Applications and questions about the position should be sent (preferably by email) to:

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