

**The Transregional Collaborative Research Center
SFB/TR 8 Spatial Cognition: Reasoning, Action, Interaction
at the Universities of Bremen and Freiburg, Germany**

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 Deutsche Forschungsgemeinschaft (DFG).

The SFB/TR 8 advertises one researcher position:

Postdoctoral Researcher / Doctoral Research Assistant

SFB/TR 8 project I2-[MapSpace], Universität Bremen
(BAT IIa, approx. €40,000 to €50,000 p.a. gross)

in one or several of the areas: Artificial Intelligence / Knowledge Representation / Cognitive Design / Cognitive Geography / Cognitive Modeling.

The research project I2-[MapSpace] is concerned with the conceptualization of space and its role in the interaction between humans and spatial representations, specifically schematic maps. Research tasks include the conception of abstractions and categorizations of spatial knowledge for map-like representations and the development of a representation-theoretic account of schematic maps. Interest and experience in cognitive science research in an interdisciplinary research team is expected.

We offer an opportunity to gain research and teaching experience in a modern and enthusiastic research environment with strong interdisciplinary and international links. Duties include project management, research and publication of research results, guidance of student researchers, participation in the activities of the SFB/TR 8, contributing to research proposals.

The position is available immediately until the end of 2006. Extension is possible. Application deadline: 12 November 2004 (or until a suitable candidate is found). Universität Bremen is an equal opportunity employer. Women are especially encouraged to apply. More information about this project can be found at www.sfbtr8.uni-bremen.de/project?project=I2.

Please address questions about the position and send your application (preferably by email) to:
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