

The Research Institute for Cognition and Robotics (CoR-Lab) offers a 2 , respectively 3 years

Research Scholarship for Post-Doc or PhD-student

CoR-Lab has been established at Bielefeld University, Germany, as a research centre for intelligent systems and human-machine interaction in a strategic partnership between Bielefeld University and the Honda Research Institute Europe GmbH, Germany. It pursues fundamental research in the field of cognitive robots and intelligent systems, where the Honda humanoid robot ASIMO is available as an advanced technological platform. A particular focus of the CoR-Lab is the interdisciplinary integration of expertise in engineering, computer science, brain science, and cognitive sciences, including the humanities and social sciences. The position that is associated with the Graduate School of the CoR-Lab and the "Neurocognition and Action" - research group provides an exciting and stimulating environment for an enthusiastic PhD-student or creative Post-Doc, allowing him/her to pursue research in international teams. We invite applications from students and researchers who hold an academic degree (MSc/Diploma/PhD) and meeting the qualifications listed below in detail for the position.

Job description

The position is grounded in the project 'Cognitive planning and motor adaptation in manual action'. The research mainly deals with the relationship between object manipulation and sequential movement organization in close cooperation with the Neurocognition and Action-Research Group (Department of Psychology and Sport Science). Therefore it focuses on the detection of appropriate representations of movements, which assure optimal movement control. The position offers the opportunity to do a PhD/Post-Doc in close collaboration between the graduate school of CoR-Lab at Bielefeld University and the Neurocognition and Action- Research Group.

Requirements

- A degree in the field of sport science, psychology, movement sciences, biology or related disciplines
- Further experience in one of the areas of cognitive science, kinematic movement analysis, or robotics
- Pre-knowledge in handling a motion capture system, i.e. Vicon, Opto Track, etc. is welcome
- Further research interests in interdisciplinary questions in the area of cognitive movement science are required
- Fluent English is required.

Complete applications should include certificates and transcripts of records of the completed course of studies, a CV, a cover letter providing information about the qualification and the motivation to do research in the Graduate School, as well as a short description of the research interests with regard to the specified project.

email: sekretariat@cor-lab.uni-bielefeld.de

The **deadline** for application in the initial round of appointment is **January, 31st 2010**.

For further information please contact T. Schack at the address:
thomas.schack@uni-bielefeld.de; or visit www.neurocognition.de and www.cor-lab.de