



08.01.2013

## Einladung

Am Donnerstag, 31.01.2013, 10:30 Uhr, Hörsaal M6

spricht

**Jun.-Prof. Dr. Verena Hafner**

über

*“Sensorimotor interaction in robotics”*

Sensorimotor control is an important skill of autonomous agents interacting with their environment and with others. In cognitive robotics, it is seen as a prerequisite for the development of cognition in artificial systems. When preparing for an action, sensor and motor noise as well as delay make it difficult for any advance planning of a motion. To overcome this difficulty, we provide a computational model consisting of pairs of learned inverse and forward models which is implemented and evaluated on a humanoid robot. These models provide an internal simulation of a particular action. They are learned during an exploratory phase of the agent and are thus ideally adapted to a specific morphology and environment.

**Auf diesen Vortrag wird besonders hingewiesen**

Martin Stein, Dekan