

## **„Gießener Abendgespräche Kognition und Gehirn“**

Mittwoch, 18 bis 20 Uhr, Raum: F9

**12.11.08 Florian Roerbein** (Honda Research Institute Europe GmbH, Offenbach)

" Reasoning with Cortical Columns "

### **Abstract:**

There are two elementary building blocks whose intimate relationship has been overlooked so far: The cortical column as ubiquitous local processor underlying all cognitive operations and the Bayesian framework with the generic operation of calculating posterior probabilities given likelihoods and prior probabilities. In this talk I will try to bridge this gap by providing a detailed mapping between parts of the cortical column and processing steps involved in Bayesian reasoning.