- Thursday, July 7, 2011
  Computational principles and neural mechanisms for state estimation and movement planning

  The brain must convert and integrate noisy sensory and motor inputs to infer the state of the body and the world and use these state estimates to generate goal-directed movements. In this talk I will outline the modeling, behavioral and neuroimaging approaches we took to understand the learning and control strategies for state estimation and goal-directed movement planning, particularly when the effects of inertial forces and body- orientation must be integrated.

  Pieter Medendorp
  Radboud University Nijmegen