

SFB/TR 8 Spatial Cognition / IQN Video Conference

Dr. Roy Ruddle
VVR Research Group
University of Leeds

Body-based information and the acquisition of spatial knowledge

Most previous research into the effect of body-based (proprioceptive & vestibular) information on navigation has used basic spatial tasks such as path integration. However, key findings from that work (specifically, the critical importance of rotational body-based cues) do not seem to apply to "everyday" tasks performed in large-scale spaces. I will describe my recent research that has investigated the effect of rotational vs. translational body-based information on large-scale navigation. Participants who were provided with body-based information for the translational and rotational components of movement performed 30-40% better than participants who were only provided with the rotational component (both groups were also provided with a rich visual scene). This performance difference occurred for both route and survey knowledge acquisition.

Freitag, 21. August 2009
informelle Kaffeerunde: 15.15
Vortragsbeginn: 15.30 Uhr

- Rotunde Cartesium,
Enrique-Schmidt-Str. 5
Universität Bremen
- Geb. 106, Raum 04 007,
Universität Freiburg

Kontakt:

Prof. C. Freksa, Ph.D.
freksa@informatik.uni-bremen.de
0421 – 218 - 64230