

Sonderforschungsbereich / Transregio 62
„Eine *Companion*-Technologie für kognitive technische Systeme“

SFB-Kolloquium

Mittwoch, den 3. Februar 2010, 16 Uhr c.t.
Universität Ulm, Oberer Eselsberg, N27, Raum 2.033
Universität Magdeburg, Raum G26.1-010 (Videoübertragung)

Herr PH Dr.-Ing. Erhardt Barth

Universität Lübeck, Institut für Neuro- und Bioinformatik

spricht zum Thema

Gaze guidance and efficient visual representations

I will present an overview of our research on gaze prediction and gaze guidance (see www.gazecom.eu). For prediction we use efficient visual representations (derived from differential geometry) to model visual saliency, and support-vector machines (SVMs) to obtain the predictions. An alternative approach to efficient representation is based on the principle of sparse coding. To obtain the local transformations needed for gaze guidance we use low-dimensional visual representations (signal energy on different spatio-temporal scales) and SVMs.

Es laden ein die Projektleiter des Sonderforschungsbereich / Transregio 62.

Ulm den 13.01.2010

gez. Prof. Dr. Heiko Neumann