

Computational modeling of face recognition

Original title / Originaltitel

Komputationale Modellierung der Gesichtserkennung

Summary / Zusammenfassung

Face recognition is one of the most important abilities in everyday life. In this project we develop a computational model of face recognition, which provides a deeper understanding of human recognition performance and shows very similar results as found in psychophysical studies.

Weitere Informationen unter www.psychologie.unizh.ch/vicoreg/research/

Publications / Publikationen

Schwaninger, A., Wallraven, W., & Bühlhoff, H.H. (2004). Computational modeling of face recognition based on psychophysical experiments. *Swiss Journal of Psychology*, 63(3), 207-215. [PDF]

Wallraven, C., Schwaninger, A., & Bühlhoff, H. H. (2005). Learning from humans: computational modeling of face recognition. *Network: Computation in Neural Systems*, 16(4), 401-418. [PDF]

Wallraven, C., Schwaninger, A., Schuhmacher, S., & Bühlhoff, H.H. (2002). View-Based Recognition of Faces in Man and Machine: Re-visiting Inter-Extra-Ortho. 2nd international Workshop on Biologically Motivated Computer Vision, Tübingen, Germany, November 22-24, 2002. *Lectures Notes in Computer Science*, 2525, 651-660. [PDF]

Weitere Informationen unter www.psychologie.uzh.ch/vicoreg/publications/index_byarea.htm

Keywords / Suchbegriffe

Face recognition, face perception, computational modeling

Project Leadership and Contacts / Projektleitung und Kontakte

Dr. Adrian Schwaninger (Project Leader)

Other Links to external Webpages / Andere Links zu externen Webseiten

www.psychologie.unizh.ch/vicoreg

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Universität Zürich (position pursuing an academic career), EU, Others

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Duration of Project / Projektdauer

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