

The First European PhD course
MOVEMENTS OF THE HUMAN EYE:
THEORIES, METHODS AND PRACTICAL IMPLICATIONS

Applied Cognitive Research Unit
Technische Universität Dresden

Course Contents

Wednesday 7th

The physiology and neuroanatomy of seeing

Historical theories and methods in eye movements

Practical Session* – *How to calibrate and record data*

Thursday 8th

Scene Perception and the two visual systems approach

Theoretical approaches to eye movement analysis & attentional landscapes

Practical Session* - *From data acquisition to hypothesis testing.*

Friday 9th

Overview of current technology: Types of eye trackers & data output

Practical applications of eye tracking: HCI, usability testing & gaze typing

Practical Session* – *Programming experimental paradigms / Eye data as input.*

**Practical instruction on the Eyelink 2, Eyelink 1000 and Eyegaze systems.*

Closing date for applications: 31.01.07

Contact: PhDcourse@applied-cognition.org

