

EYE TRACKING SYSTEM INTERACTION BETWEEN HUMAN & COMPUTER WITH AND FUTURE PROSPECTS

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ABSTRACT

Eye tracking has a long history in the today's Technology, medical science and psychological department as a tool for recording and studying about the human visual behaviours. The Real-time gaze-based text entry can also powerful meaning of communication. There foe control the peoples with physical disabilities in the region. Following recent technological advances and the advent of affordable eye trackers, there is a growing interest in pervasive attention-aware systems and interfaces that have the potential to revolutionize mainstream human- technology interaction. In this chapter, we provide an introduction to the state-of-the art in eye tracking technology and gaze estimation. In this report shows the challenges involved in using a perceptual organ and the eye as the input modality. Examples of real life applications are reviewed, together with design solutions derived from research results. We also discuss how to match the user requirements and key features of different eye tracking systems to find the best system for each task and application.

KEYWORDS: Eye Tracking Technology and Gaze Estimation, Revolutionize Mainstream Human- technology Interaction