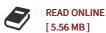


# Interface and Control of Appliances by the Analysis of Electrooculography Signals

By Sivan, Arthi / Norman, Suresh

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | In recent decades, the application of using Electrooculography signals to control the HCI systems have gained importance. Communication with the outside world is important for the persons with neurological, ophthalmological disorders and paralysed patients. An efficient way of communication and control without speech and hand movements is essential to improve the quality of life for differently abled people with lesser motor capabilities. This book, therefore, provides a method for the control of appliances by using an eye tracking method called Electrooculography technique. The technique of Electrooculography (EOG) is an inexpensive yet reliable human-computer interface that detects eye movements, a biomedical technique based on picking up signals from electrodes placed around the eyes. The signals are processed and control is set according to the requirements of the person. The main objective of measuring and processing these signals is to help the users to overcome many of the limitations and inconveniences in the physical world. | Format: Paperback | Language/Sprache: english | 113 gr | 220x150x4 mm | 72 pp.





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