Abstract

A lot of research work has been done by the researchers in the field of face recognition. These days many innovative issues of research and application in the field of face recognition are still pending and required to be discuss and develop. Different studies on face recognition already have been done and implemented but suffering from a single view point, applications and methods, because of traditional imagery input data. This paper explores and classifies the different input imagery data: traditional images, videos (sequence of images with time interval) and 3D images, considered to develop the face recognition techniques: signal processing, machine learning and multidimensional face recognition. The key feature of this study is to introduce a new era of face recognition system and technology (input sources, effects, techniques, assessment, limitations etc. ) based on Multidimensional Imagery Data known as Multidimensional Face Recognition System (MFRS).
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Classification of Imagery Data and Face Recognition Techniques

Index Terms

Computer Science
Image Processing

Keywords

Face Recognition  Sensory Inputs  Manifold learning  Hyperspectral Image