

Human Action Recognition

Pong-Chi Yuen

Hong Kong Baptist University

With the growing installation of surveillance cameras in public areas, ranging small-scale stand-alone applications in banks and supermarkets to large-scale networked-close-circuit television (CCTV) in law enforcement applications in public streets, there is an increasing demand of computer vision technology for understanding human activity in the scene. This is a very challenging and hot research topic in computer vision community. This talk will present our recent results of our on-going project on human action recognition. The proposed method consists of three major steps, namely human motion detection, human motion feature extraction and human action classifier. Results on popular publicly available databases including KTH, Weizmann, CAVIAR and PETS, will be reported.