專 題 演 講

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演講題目：Spatial-temporal Correlation based Event and Tactics Semantics

Analyses for Sports Videos

演講摘要：

　　With the popularization of digital camera and recorder, the amount of multimedia video content increases rapidly. The viewer will take a lot of time to exhaustively search for a specific video clip without proper management and annotation of all his/her video content. Among all kinds of videos, sports videos are rich in highlights which can be extracted for many applications. In this talk, we will introduce a comprehensive framework of sports video analysis purposing to bridge the gap between low-level features and high-level semantics in a video. Combining domain knowledge and spatial-temporal correlation of media features, we extract important semantics of events and tactics from sports videos. We realized the proposed framework on three types of sports videos, including tennis video, billiards video, and basketball video, to demonstrate the feasibility of the proposed sports video analysis framework.