Egocentric vision: tracking and recognizing human signs
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Abstract

In the next years, we will conquered by wearable visual devices acquiring, streaming and logging video of our daily life. This is a fantastic challenge for computer vision, since many of results in motion analysis, tracking, object and event recognition have to be re-defined and re-designed for such a new devices, with their hardware characteristics, their specific point of view and their peculiar constraints.

 In the talk an initial review of recent results in egocentric (or first-person) vision will be discussed. Most of the current researches regards simple tasks such as handled objects recognition, or looking at people gaze. Instead, the talk will point out some still open problems, such as multiple tracking and recognizing human aspects and signs from the first person point of view. In particular, the talk will focus on detecting and tracking people and their social behavior, and recognizing people gestures and more in general people signs.

Keywords