Understanding Video Events

A presentation by

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January 31, 2011

Video events

High-level semantic concepts that human perceive when observing
a video sequence
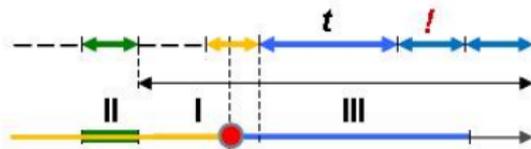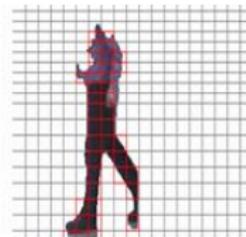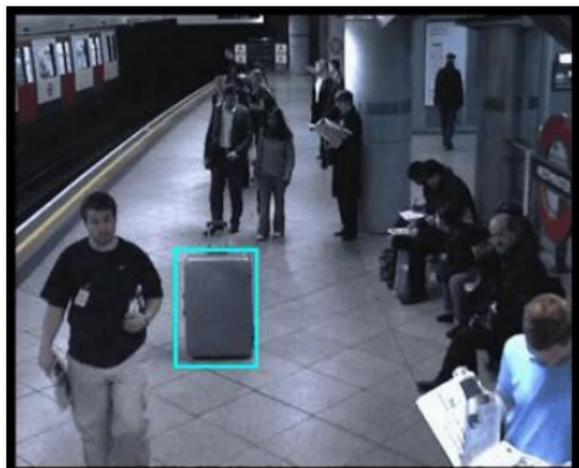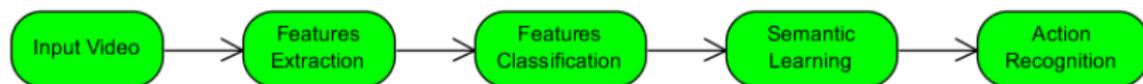
Figure: General Steps to understand a video sequence

Main tasks:

1. What kind of features are important to infer semantic information?
2. Are the features closely linked to the domain?
3. How can a complex human action be broke up in atomic events?
4. Is it possible to organize the knowledge in a hierarchy?
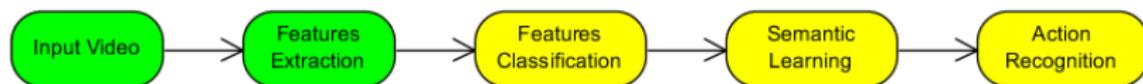
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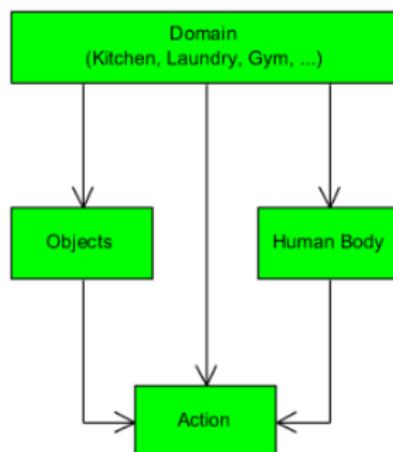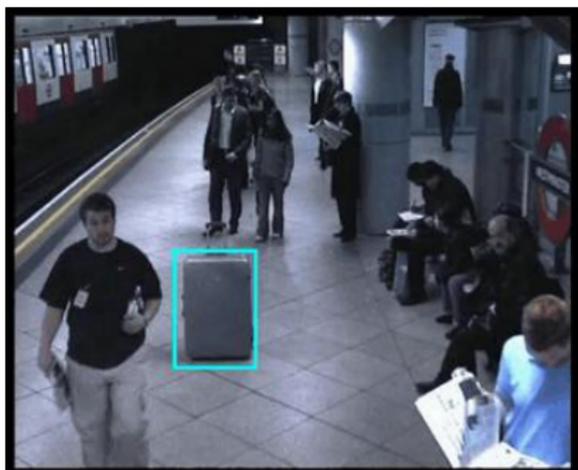
Domain

Implies important information about objects and human actions
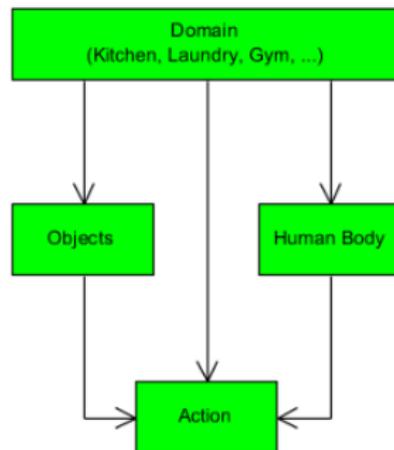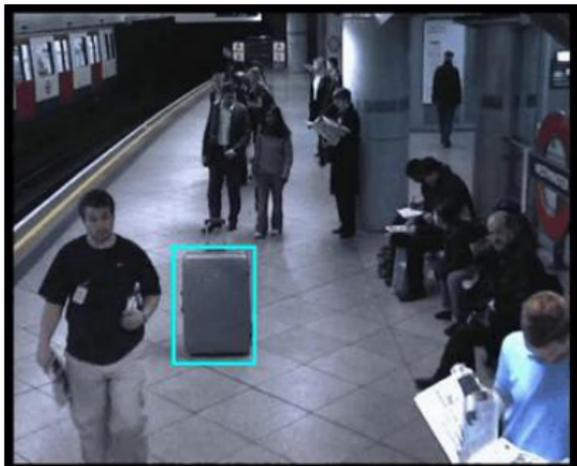
Objects

Recognizing objects is relevant to understand human interaction
with them
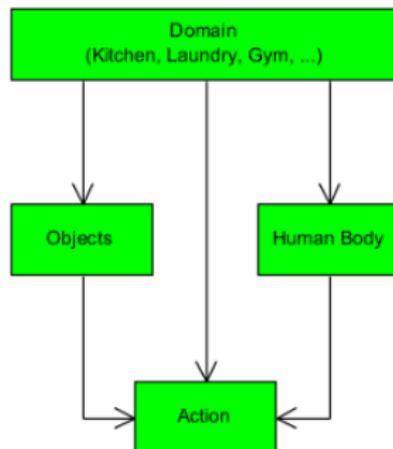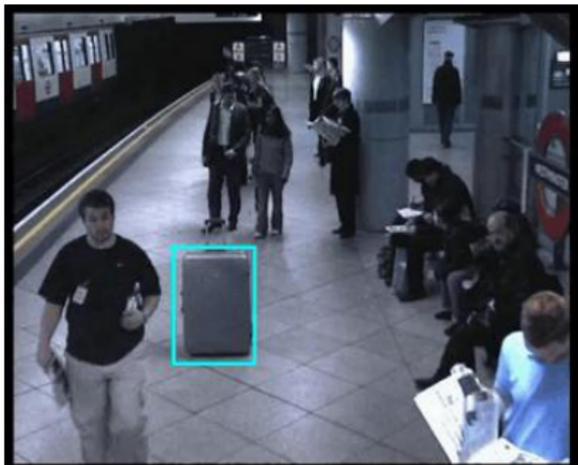
Human Body

Observing body parts separately to understand simple actions and infer the whole activity

Thanks!